

GEOPHYSICS REPORT

ON THE

2.17718

CROSS LAKE / GOLDEN KNIGHT

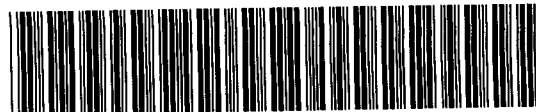
JOINT VENTURE

PROPERTY

DAN PATRIE EXPLORATION LTD.

Dan Patrie

May, 1997



42A07NE0032 2.17718 BOND

TABLE OF CONTENTS

PAGE

INTRODUCTION

1

SUMMARY AND RECOMMENDATIONS

1

LOCATION AND ACCESS

1

CLAIMS

2

REGIONAL GEOLOGY

2

PROPERTY GEOLOGY

3

PREVIOUS WORK

4

SURVEY PROCEDURE

8

FIELD METHOD

9

MAX-MIN SURVEY

9

INTERPRETATION

10

CONCLUSIONS AND RECOMMENDATIONS

11

REFERENCES

CERTIFICATE OF QUALIFICATION

LETTER OF AUTHORITY

MAPS



42A07NE0032 2.17718 BOND

010C

INTRODUCTION

During the month of March, 1997 a program of line cutting and geophysical surveying was conducted on the Sheraton and Bond Townships property of Cross Lake Minerals and Golden Knight Joint Venture.

The work consisted of a horizontal loop electromagnetic survey and was conducted by Dan Patrie Exploration Ltd. The survey was conducted to locate and investigate in detail the conductors detected by airborne surveys.

SUMMARY AND RECOMMENDATIONS

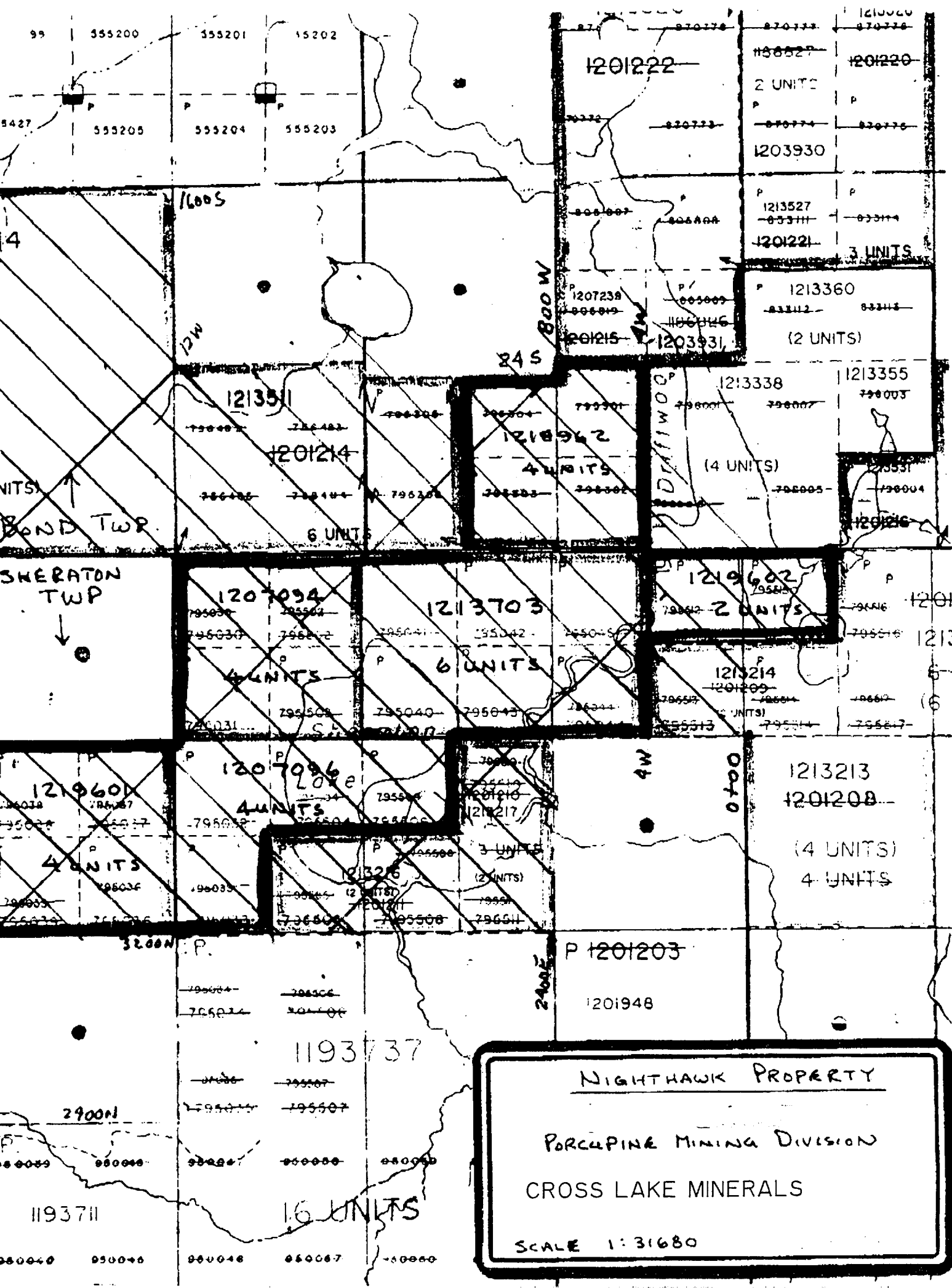
A geophysical survey was conducted on the Sheraton and Bond Townships property Cross Lake and Golden Knight Joint Venture. A total of 24 kms of horizontal loop electromagnetic data was collected. Although hampered by deep overburden, a wide zone of conductors was detected south of the baseline at 20+00 w to 24+00 w near the center of the grid. Highly conductive (50S), and relatively deep (40 - 50 m), this zone has a maximum width of 150 m, and a total strike length of 0.5 km. Several other weaker conductors were detected and the possibility exists for undetected, deep conductors.

In light of the extensive previous drilling, careful consideration is recommended before re-drilling of the previous zones is conducted. Induced Polarization is strongly recommended for detecting disseminated mineralization which may be favorable for gold mineralization.

LOCATION AND ACCESS

The property is located on the boundary of Sheraton and Bond Townships in the Porcupine Mining District of Ontario.

The property is approximately 45 kilometers east of Timmins, Ontario. Access to the property was by snowmobile down a trail south from the end of Bond Township Road 1, by snowmobile down the Driftwood River, or by trail 4 miles east from the Gibson Lake Road in Macklem Township. Both roads are accessed from Highway 101.



NIGHTHAWK PROPERTY
 PORCUPINE MINING DIVISION
 CROSS LAKE MINERALS
 SCALE 1:31680

CLAIMS

The property consists of 13 unpatented mining claims, 45 units all held by Coss Lake Minerals Ltd. The claim numbers, all of which are in the Porcupine Mining District are:

CLAIM NUMBER	# OF UNITS	TOWNSHIP
1210601	4	SHERATON
1207096	4	SHERATON
1207094	4	SHERATON
1218703	6	SHERATON
1219601	4	SHERATON
1219602	2	SHERATON
1213216	2	SHERATON
1213217	2	SHERATON
1218962	4	BOND
1213338	4	BOND
1213360	2	BOND
1213355	1	BOND
1213511	6	BOND

REGIONAL GEOLOGY

The following is an excerpt from Bowen (1986):

“The general geology of the Porcupine Area is characteristic of the Abitibi “Greenstone Belt,” Figure 1. The rocks are Early Precambrian (Archean), in age and are composed of a series of metavolcanic flows and pyroclastics with interbedded sedimentary units. Late stage cyclic clastic sedimentation mark the end of volcanism in the area. Mafic

sills, dikes and plugs cut most of the volcanic units and may be related to volcanic activity. Felsic hypabyssal stocks and dikes are also common and may or may not be related to felsic batholithic complexes that intruded the supracrustal rocks either contemporaneously with or after the main volcanic-sedimentary events.

Tectonic events generally associated with felsic plutonism have caused the supracrustal rocks to be isoclinally folded about a general east-west axis. Subsequent faulting both parallel to sub-parallel to the fold axis and roughly perpendicular to the fold axis is prominently displayed throughout the area. The Destor-Porcupine Fault Zone that extends from Timmins to Destor Township, Quebec, passes through southern Stock Township, (the location of the St. Andrews Goldfield mine and current St. Andrews-Esso Minerals exploration project), just to the north of Bond Township. The fault zone passes approximately 6 miles north of the property of Unigold Resources Ltd. This structure has long been associated with gold deposition in the Timmins area and now in the Harker-Holloway Area east of Matheson and at the Aguibelle Mine in Destor Township, Quebec.

Early to Middle Archean diabase dikes trending roughly north-south and Late Archean olivine diabase dikes trending northeast-southwest cut all rocks in the area.”

PROPERTY GEOLOGY

The following is an excerpt from Bowen (1986):

“From the examination of drill logs the geology underlying the Unigold claims appears to be near the interface of two volcanic formations. So far, research into this area has been insufficient to categorize the formations with confidence due to poor outcrop exposure.

The volcanic rocks are moderate to steeply dipping and are mafic to felsic in composition. They are under layered with carbonaceous and argillaceous mudstones and wackes. Mineralogy is varied with pyrite, sphalerite, chalcopyrite, galena and pyrrhotite being reported in drill logs. Gold assays in the 0.01 oz/ton range and lead-zinc values over

3% and as high as 6.76% over lengths of 5 to 10 feet have also been reported in assessment files and by Mr. don McKinnon, prospector, who assayed the diamond drill core for gold. At least, one major north-south fault has been mapped through the property. A number of north-south diabase dikes indicate several zones of weakness were once present. Southwest to northeast trending late olivine diabase dikes bracket the north and south boundaries of the property and partially transect the central part of the property. Porphyritic units have also been reported in diamond drill logs.”

PREVIOUS WORK

From Bowen (1986):

“Work done previously and submitted for assessment credit was reviewed at the Resident Geologist’s Office, Timmins. Data Series maps P.2072 and P.2074, Hunt and Deosaran (1980 a and b), compiled work previous to 1979. Previous government work included geological surveys of Sheraton Township and the surrounding area, Berry (1940), and Bond Township and the surrounding area, Laird (1931). A geological compilation map was subsequently produced, Pyke et al (1972). Sheraton and Bond Townships were included in a 40 township airborne magnetic and electromagnetic survey conducted by the Ontario Geological Survey and published in 1984 (OGS 1984 a and b).

The previous exploration work will be described in rough chronological order as assessment file records indicate. The early history of the porcupine mining camp is well documented. Timmins is celebrating 75 years of existence in 1986. Encompassed within a 100 mile radius of Sheraton and Bond Townships, two major gold camps (Timmins and Kirkland Lake), a major base metal mine (Kidd Creek), and several smaller base metal mines (KamKotia, Jameland, Canidan Jamieson, Alexo, Texmont and Langmuir), as well as talc and asbestos deposits located in Penhorwood and Munro Townships.

Stairs Property - Hollinger Option

In 1960 Hollinger diamond drilled 5 holes in Sheraton Township into a magnetic

high area ½ mile south of claim 795517 and intersected a pyritic-jasper-epidote horizon hosted in mafic pillow basalts, massive and sulphuritic flows cut by felsic dykes. Carbonate alteration and quartz veining were also reported, however, no assays were reported.

Selco Exploration Co., Ltd.

In 1966 Selco Exploration Co., Ltd., held two claim blocks in Sheraton and Bond Townships. On a two claim block in Sheraton Township, which encompasses claim 795039 of the property which was owned by Unigold Resources, one hole was drilled into brecciated felsic metavolcanics with some feldspar porphyry and anderite portions and several disseminated to massive pyritic zones. Two intervals of 5 and 4 feet respectively returned 0.01 oz/ton gold assays.

In Bond Township, Selco also held a 4 claim block which encompasses claims 795302, 796004 to 796006 inclusive that belonged to Unigold Resources. Five diamond drill holes were put down and intersected what appears to be an interface between volcanic flow units. The volcanics are described as being felsic to intermediate in composition and interbedded with greywacke and graphitic slate units. Feldspar porphyry and diabase dikes cut the metavolcanics and metasediments. Silicification carbonatization sulfidization are commonly mentioned. Sulphides are pyrite, chalcopyrite, sphalerite, marcasite and galena. Drill hole 10 returned 0.11% zinc and 0.7% lead over 5.5 feet. These drill holes were relatively shallow and no depths below about 300 feet vertically were ascertained.

Seaway Copper Mines Limited-Republic Ores and Mining Corporation Limited

In 1971 Seaway Copper Mines Limited acquired 32 unpatented mining claims encompassing the northeastern part of the area concerned in this report including claims: not in good standing any longer.

These claims were staked by Mr. Donald McKinnon in 1969. In 1970 Republic Ores and Mining Corporation Limited optioned the claims and completed ground magnetometer and horizontal loop electromagnetic surveys over the entire property. In 1971 an 80% interest was acquired by Mr. Gordon Leliever from Republic who, as president of Seaway Copper Mines Limited, sold his interest to Seaway for \$15 000.00 and a work commitment. These claims were staked by Mr. McKinnon based on his examination of the Selco core logs where he noted the numerous mention of sulphides and some interesting assays.

Seaway Copper Mines Limited acquired additional ground and in 1982 began a diamond drill program to test the targets outlined by Republic's geophysical survey.

The same general geology encountered in the Selco drilling was found during Seaway's drill program. These rocks were generally intermediate to mafic metavolcanics with some coarser flows, sills and dikes. Some tuffaceous horizons and slates, possibly interflow metasedimentary units were also cored. Felsic porphyritic dikes cut the metavolcanics and metasediments. Breccia zones, interpreted to be flow tops and bottoms were mineralized with chalcopyrite, sphalerite, pyrite and galena. This mineralization was possibly due to inhalative action of hydrothermal fluids percolating along the volcanic flow interfaces. The presence of graphite is indicative of this type of subaqueous activity. Assays ranged from 6.76% zinc over 10 feet to some combined lead-zinc values of 1.16 over 5.2 feet and 3.18% over 7.7 feet.

Cominco Limited

In 1971 Cominco Limited flew an airborne magnetic survey over the southwestern part of the present claim group and staked 14 claims encompassing the presently owned Cross Lake claims.

Subsequent electromagnetic work revealed a conductor and one diamond drill hole was drilled in it. The drill log reveals that a pyrite horizon was the conductor and formed along the contact with felsic metavolcanic tuffs and argillites and greywackes. No assays were reported and no further work was recorded.

Ontario Paper Company Limited and Geomont Exploration Company Limited

In 1975 Ontario Paper Company Limited held a large block of claims in Sheraton and Bond Townships. The property encompasses claims 756486 to 756488 inclusive that belonged to Unigold Resources claims. They contracted Geomont Exploration Company Limited to perform geological mapping, ground magnetometer and induced polarization/resistivity surveys over the property. While several interesting IP anomalies were turned up no follow up work was recorded by this company.

Noranda Exploration Company Limited

In 1977 Noranda held a claim block 1/4 mile west of the subject claims in Sheraton Township and conducted ground magnetometer and electromagnetic surveys over the claims. The conductors delineated coincided with those drilled by Cominco in 1974 which were pyrite zones along the contact between felsic metavolcanics and metasediments.

In 1984 Noranda had Aerodat Limited conduct an airborne geophysical survey with their system over western Bond and part of Sheraton Townships. Numerous conductors were delineated and Noranda was evaluating those responses by ground geophysical follow up and proposed diamond drilling.

Sumach Resources Inc.

Sumach contracted H. Ferderber Geophysics to conduct an airborne geophysical survey over the property in 1985.

Since this survey has been conducted Sumach Resources has been optioned the claims to Unigold Resources.” now the property is held by Cross Lake Minerals Ltd.

SURVEY PROCEDURE

MAX-MIN II

THEORY

The Max-Min II is a frequency domain, horizontal loop electromagnetic (HLEM) system, based on measuring the response of conductors to a transmitted, time varying electromagnetic field.

The transmitted, or primary EM field is a sinusoidally varying field at any of five different frequencies. This field induces an electromotive force, (emf), or voltage, in any conductor through which the field passes. This is defined by:

$$\oint E \cdot dl = -\dot{\Phi} \quad (\text{the Faraday Induction Principle})$$

where E is the electric field strength in volts/meter (and so $\oint E \cdot dl$ is the emf around a closed loop) and Φ is the magnetic flux through the conductor loop. This emf causes a “secondary” current to flow in the conductor in turn generating a secondary electromagnetic field.

This changing secondary field induces an emf in the receiver coil (by the Faraday law) at the same frequency, but which differs from the primary field in magnitude and phase. The difference in phase (the phase angle) is a function of the conductance of the conductor(s), both the target and the overburden and host rock. The magnitude of the secondary is also dependant on the conductance, and also on the dimensions, depth, and geometry of the target, as well as on the interference from overburden and the host rock.

These two parameters (phase angle and magnitude) are measured by measuring the strength of the secondary field in two components: the real field or that part “in phase” with the primary field; and the imaginary field, or that part in “quadrature” or 90 degrees out of phase from the primary field.

The magnitude and phase angle of the response is also a function of the frequency of the primary field. A higher frequency field generates a stronger response to weaker conductors, but a lower frequency tends to pass through weak conductors and penetrate to a greater depth. The lower frequency also tends to energize the full thickness of a conductor, and gives a better measure of its true conductivity-thickness product (conductance).

For these reasons two or more frequencies are usually used: the lower for penetration and accurate measure of good conductors, and the higher frequency for strong response to weak conductors.

Distinction between conductive targets, overburden, and host rock responses are made by studying the shape of the secondary field, and the difference in the frequency shape.

The transmitted primary field also creates an emf in the receive coil, which is much stronger than the secondary, and which must be corrected for by the receiver. This is done by electronically creating an emf in the receiver, whose magnitude is determined by the distance from receiver to transmitter as set on the receiver, and whose phase is derived from the receiver via an interconnecting wire.

FIELD METHOD

The Max-Min II survey was carried out in the “maximum coupled”, mode (horizontal coplanar). The transmitter and receiver are carried in line down the survey line separated by a constant distance (in this case 200m), with the receiver leading. Three transmitter frequencies were used: 444Hz, 888Hz, and 1777Hz. The transmitter and receiver are connected by a cable, for phase reference and operator communication.

PERSONNEL AND EQUIPMENT

Dan Patrie Exploration Ltd. provided all the personnel to complete the geophysical surveying, and the line cutting.

Due to the proximity of the grid to Timmins, the geophysical crews were accommodated in either Timmins or Night Hawk Trailer Park.

MAX MIN SURVEY

The survey consisted of 24 line kilometers of three-frequency horizontal loop (Slingram Style) electromagnetic with a 200m coil separation.

INTERPRETATION

The electromagnetic survey detected most of the conductors located by the airborne EM survey, but suffered from a lack of depth penetration. This was caused by the great depth of the overburden. In the central of the grid, the overburden is more than 60m thick in some places.

The strongest EM response is a 50m to 150m wide zone of conductors between line 20+00 W and 24+00 W.

The weak conductors on the edge of the zone are interesting because they may be caused by disseminated metallic sulphides, which would be favorable environments for gold mineralization.

The strong conductors in this zone have conductivity-thickness of approximately 50S.

In summary there appears to be a wide sheared zone with numerous veins of massive and disseminated mineralization. It is possible that the conductor are being lost at depth, and a deeper detecting ground EM system will be necessary to locate it.

Most of the conductors are relatively weak and deep. Some of them may be due to bedrock troughs, but most are definitely weak bedrock conductors, with conductivity thickness of approximately 5 to 10S.

CONCLUSIONS AND RECOMMENDATIONS

It is often the case that a zone of massive mineralization has only weak gold concentrations but disseminated mineralization to one side of the zone or the other have high concentrations. These disseminated zones would not be detectable by Max-Min through the overburden depth encountered on this grid, and may not be conductive enough even for sensitive time-domain EM systems.

Disseminated mineralization is an excellent target for the induced polarization method, and this survey is recommended for further exploration on this property. According to Bowen (1986), Ontario Paper Company and Geomont Exploration did detect “interesting” IP anomalies near the property, but apparently no follow-up diamond drilling was conducted.

A reconnaissance induced polarization survey should be conducted over most of the grid, to research for disseminated mineralization missed by the previous surveys. A program of IP is recommended.

Diamond drill testing of any of the already detected conductors should be preceded by a more powerful, more sensitive electromagnetic survey. To gain the depth and sensitivity required would require a fixed transmitter, time domain EM survey, using either a Crone PEM, a Geonics EM37 or Lamontagne UTEM. This EM survey should be directed at and around the areas of each of the previously detected conductors. The increased spatial and geometric resolution of fixed transmitter TDEM systems will collect much more information about the conductors than is currently known.



Respectfully submitted,

Dan Patrie,

Geology and Geophysics Technologist

CERTIFICATE OF QUALIFICATION

I, Daniel F, Patrie do hereby certify that:

1. I am a Geology and Geophysics Technologist and reside at 190, Highway 17 West, Massey, Ontario, Canada, P.O. Box 45, P0P 1P0,
2. I graduated from Cambrian College of Applied Arts and Technology with a one year certificate in Geophysics,
3. I have practised my profession continuously since that time and prior to that, since 1972, I have been an active prospector,
4. This report is based on a personnel review of Provincial, Federal and some assessment reports as well as interpretation of field observations undertaken on the Cross Lake Property, Bond Township, Porcupine, Mining Division, Ontario and was present during the program,



Daniel F, Patrie
Geology and Geophysics Technologist
May 30, 1997

LETTER OF CONSENT

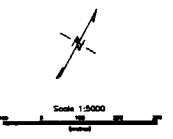
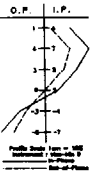
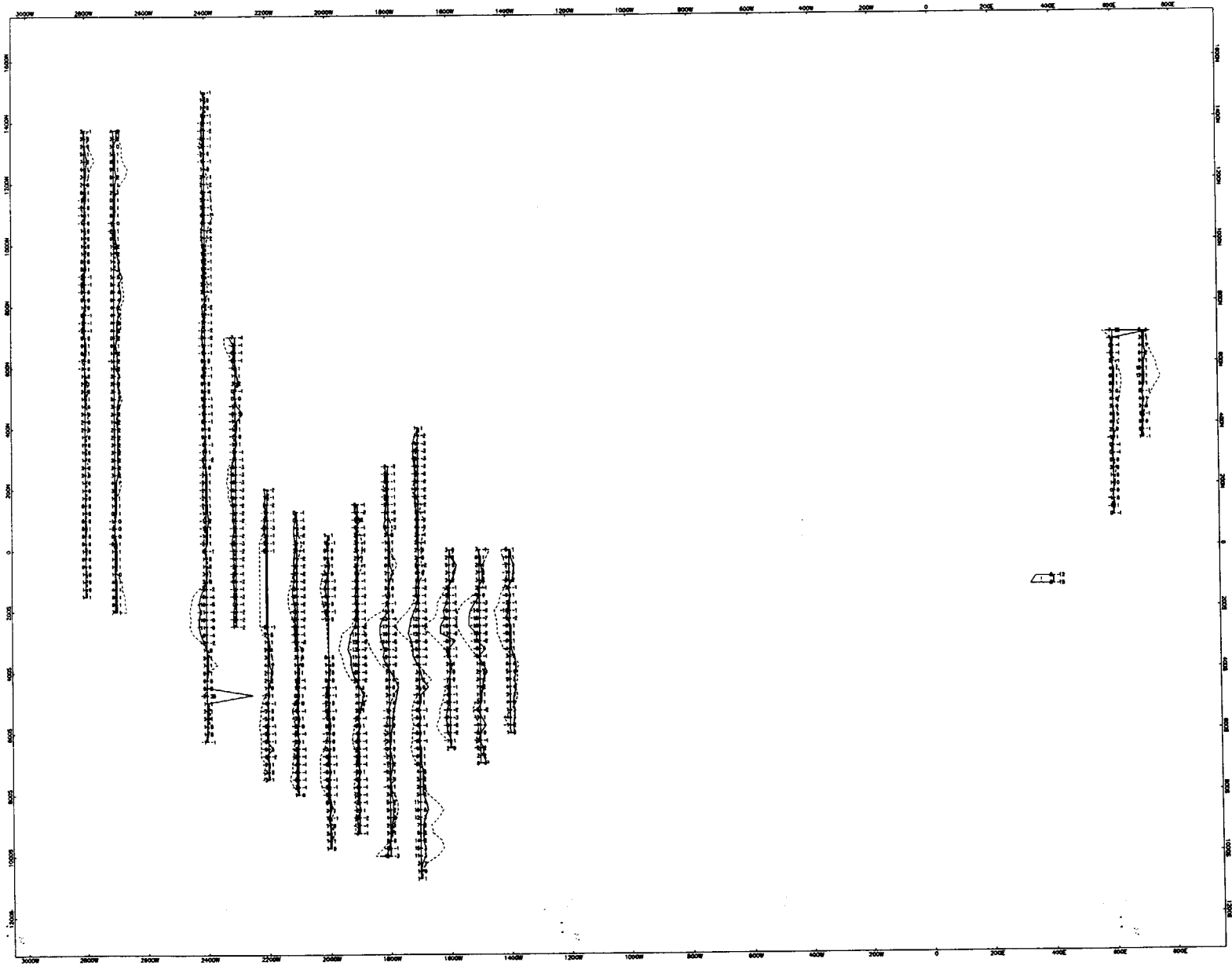
I, Daniel F, Patrie, Massey, Ontario, do hereby consent to Totem Sciences Inc., using in whole or in part my report on the Cross Lake Property in a prospectus of statement of material facts or for filing with government regulatory bodies as deemed necessary.

A handwritten signature in black ink, appearing to read "Dan Patrie", written in a cursive style.

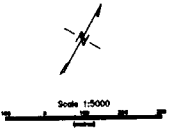
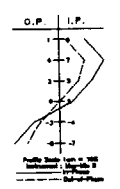
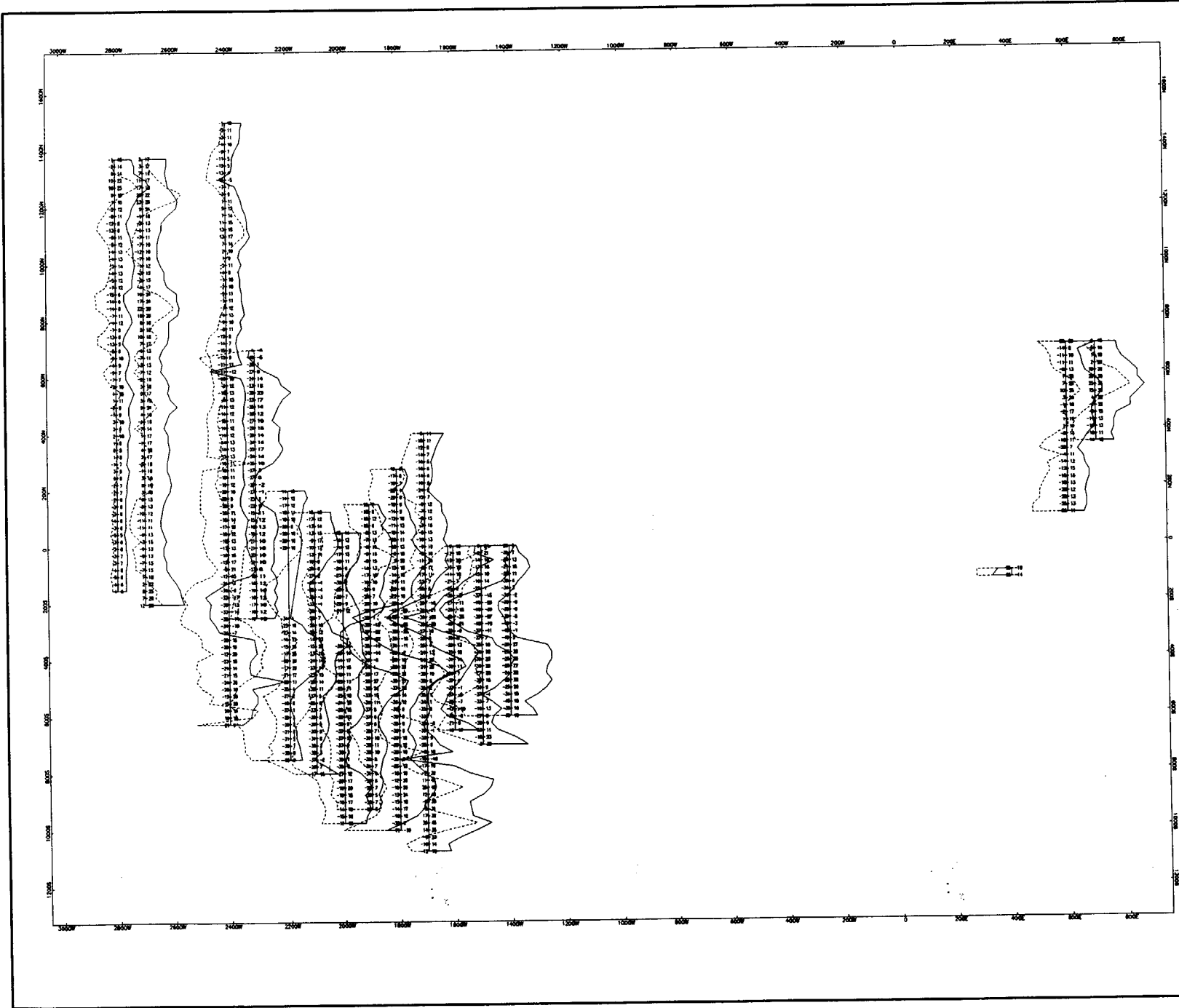
Dated at Massey, Ontario, this 30th day of May, 1997, in the District of Sudbury.

Daniel F, Patrie

Geology and Geophysics Technologist



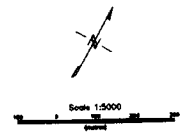
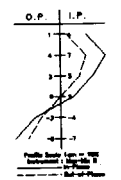
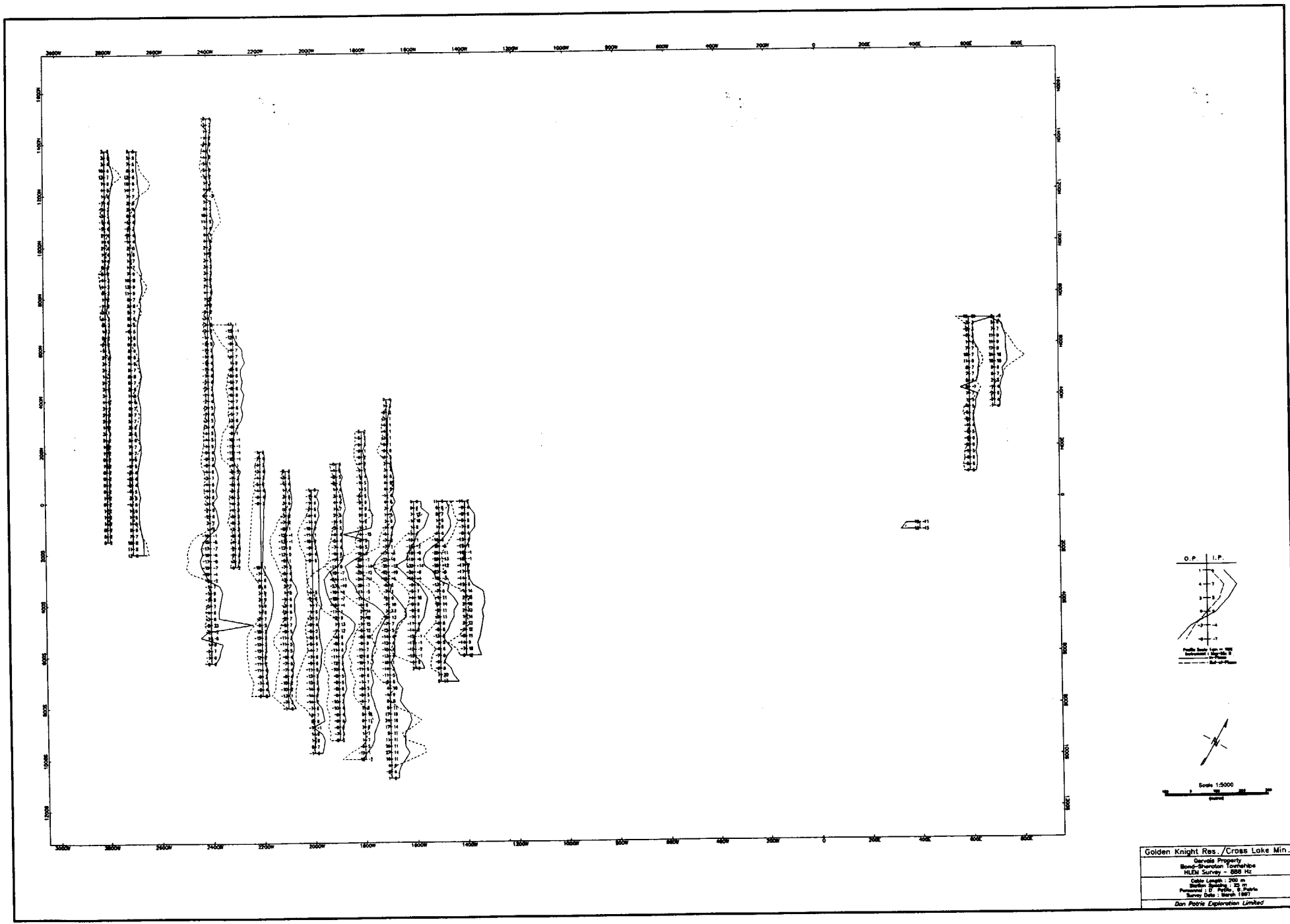
Golden Knight Res./Cross Lake Min.
 Genvick Property
 Bond-Sheridan Township
 MLEB Survey - 444 102
 Cable Length - 200 m
 Scale - 1:5000
 Prepared by: D. J. Smith, P. Eng.
 Survey Date: March 1997
 Dan Patrick Exploration Limited



Golden Knight Res./Cross Lake Min.

Cadastral Property
 Board-Sheridan Township
 MLEM Survey - 1777 Hc
 Cadastral Length - 703 m
 Station - 25, 26, 27, 28
 Permit No. 25, 26, 27, 28
 Survey Date: March 1987

Dan Patric Exploration Limited



Golden Knight Res./Cross Lake Min.
 Darvill Property
 Bond-Sheridan Tortoise
 MLEM Survey - 500 Hz
 Cable Length: 250 m
 Station Spacing: 10 m
 Personnel: J. D. Smith
 Survey Date: March 1997
 Dan Patra Exploration Limited



Ministry of
Northern Development
and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

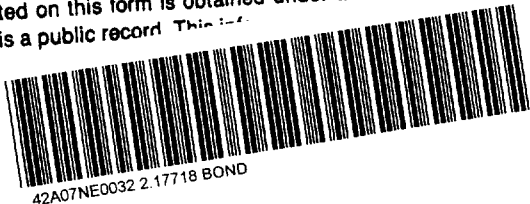
Transaction Number
W9760.07
Assessment Files

the m...
must

Personal information collected on this form is obtained under the authority of the Mining Act, the information is a public record. This information is for use only for the purposes of the Mining Act. Questions about this form should be directed to the Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Ottawa, Ontario K1P 6L3.

See revised page 166(3) of the Mining Act. Under section 66(3) of the work and correspond with the mining land holder. Northern Development and Mines, 6th Floor.

Instructions: - F
- F



900

use form 0240.

2.17718

1. Recorded holder(s) (Attach a list if necessary)

Name	<u>Cross Lake Minerals Ltd</u>	Client Number	<u>122562</u>
Address	<u>1018-475 Howe street</u>	Telephone Number	<u>604 688-5448</u>
	<u>Vancouver, B.C. V6C 2B3</u>	Fax Number	<u>604 688-5448</u>
Name		Client Number	
Address		Telephone Number	
		Fax Number	

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

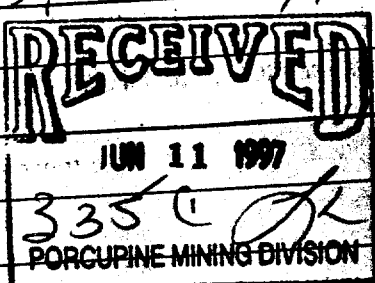
- Geotechnical: prospecting, surveys, assays and work under section 18 (regs) Physical: drilling, stripping, trenching and associated assays Rehabilitation

Work Type	<u>Line Cutting</u> <u>Max-Min</u>	Office Use	
Dates Work Performed	From <u>1</u> <u>3</u> <u>97</u> To <u>14</u> <u>3</u> <u>97</u>	Commodity	
Global Positioning System Data (if available)		Total \$ Value of Work Claimed	<u>19,520</u>
Township/Area	<u>Bond & Sheraton</u>	NTS Reference	
M or G-Plan Number		Mining Division	<u>Porcupine</u>
		Resident Geologist District	<u>Timmins</u>

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name	<u>Dan Patrie Exploration Ltd.</u>	Telephone Number	<u>705 844-2113</u>
Address	<u>Box 45, Massey, Ont. P0P1P0</u>	Fax Number	<u>705 844-2057</u>
Name		Telephone Number	
Address		Fax Number	
Name		Telephone Number	
Address		Fax Number	



4. Certification by Recorded Holder or Agent

I, Daniel F. Patrie (Print Name) do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same do or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent	<u>Dan Patrie</u>	Date	<u>June 6/97</u>
Agent's Address	<u>Massey, Ontario P0P1P0</u>	Telephone Number	<u>705 844-2113</u>
		Fax Number	<u>705 844-2057</u>

WORK TO BE RECEIVED AND DISTRIBUTED. YOUR CLAIM ONLY BE ASSIGNED TO CLAIMS THAT ARE CONTIGUOUS TO THE MINING LAND WHERE WORK WAS PERFORMED. A MAP SHOWING THE CONTIGUOUS THE MINING LAND WHERE WORK WAS PERFORMED, AT THE TIME WORK WAS PERFORMED. A MAP SHOWING THE CONTIGUOUS MUST ACCOMPANY THIS FORM.

Revised

49760.6045

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank Val. to be claim at a future
eg TB 7827	10 ha	\$20,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 1219602	2	0	800	0	0
2 1207094	4	4,000	1600	1600	800
3 1207096	4	4,000	1600	1600	800
4 1219601	4	4800	1600	2880	320
5 1213703	6	0	2400	0	0
6 1218962	4	0	1600	0	0
7 1213216	2	2400	800	1600	0
8 1213217	2	0	800	0	0
9 1213214	2	0	800	0	0
10 1213355	1	0	400	0	0
11 1213360	2	0	800	0	0
12 1213371	6	3200	2400	800	0
13 1203931	1	640	400	240	0
14 1213338	4	480	1600	0	0
15					
Column Totals		19,520	17,600	8720	1920

I, Daniel F. Patric (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Revised

Signature of Recorded Holder or Agent Authorized in Writing

Date July 21/97

D. Patric

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Approved	Date Notification Sent
Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)	

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
Line Cutting	24 kms	\$300	7,200
MAX-Min	24 kms	250	6,000
Report	1	2,500	2,500
Associated Costs (e.g. supplies, mobilization and demobilization).			
Mobilization, 2 Trucks and men			4500
Transportation Costs			
ATV's and snow machines			1100
Food and Lodging Costs			
Meals and rooms			1220
Total Value of Assessment Work			\$ 19,520

Calculations of Filing Discounts:

- Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
- If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

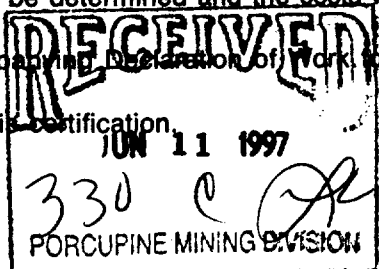
TOTAL VALUE OF ASSESSMENT WORK × 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, Daniel F. Patricie (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Agent (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.



Signature <i>Daniel F. Patricie</i>	Date June 6/97
--	-------------------

October 20, 1997

CROSS LAKE MINERALS LTD.
210-800 WEST PENDER ST.
VANCOUVER, B.C.
V6C-2V6

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (705) 670-5863

Dear Sir or Madam:

Submission Number: 2.17718

Status

Subject: Transaction Number(s): W9760.00459 Deemed Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at jerome_l@torv05.ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,



ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.17718

Date Correspondence Sent: October 20, 1997

Assessor: Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9760.00459		SHERATON, BOND	Deemed Approval	September 09, 1997

Section:

14 Geophysical EM

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Daniel Patrie
MASSEY, ONTARIO

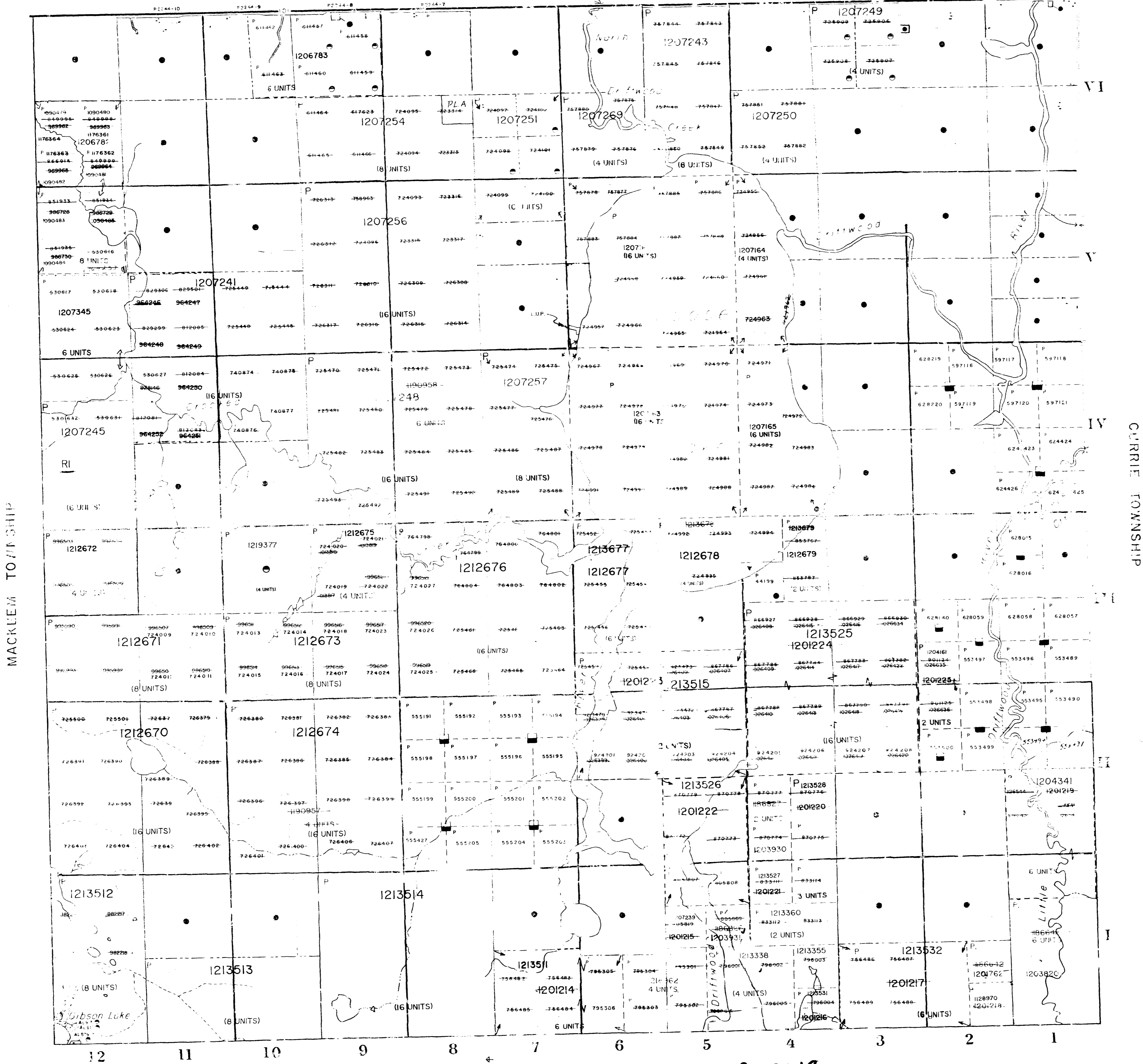
CROSS LAKE MINERALS LTD.
VANCOUVER, B.C.

FROM DISPOSITION

RIGHTS ONLY
RIGHTS ONLY
SURFACE RIGHTS

Date Disposition File

STOCK TOWNSHIP



MACKLEM TOWNSHIP

CURRIE TOWNSHIP

SPERATON TOWNSHIP

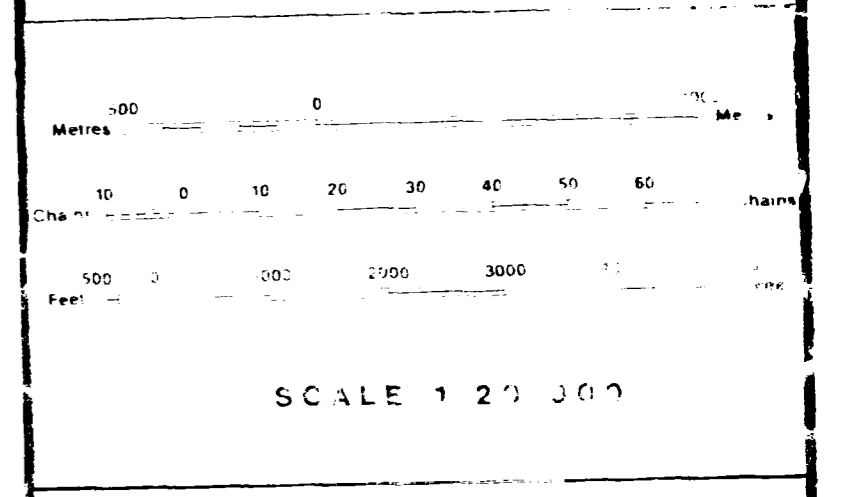
2-17718
EM

LEGEND

HIGHWAY AND ROUTE NO.	
OTHER ROADS	
TRAILS	
SURVEYED LINES	
TOWNSHIP/PIECE LINES ETC.	
LOT/ 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 OF 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	
EMPHASIS OF DEEDS	
ORDER IN CANCELLATION	
RESERVATION	
CANCELLED	
SOUND & GRAVEL	
NOTE: MINING RIGHTS IN PATENTS PATENTED PRIOR TO MAY 1 1900 VESTED IN CROWN BY PATENT ACT, R.S.O. 1900 SECTION 35, THE MINING ACT, R.S.O. 1900	



NOTES

1. SURFACE RIGHTS ONLY WITHDRAWN FROM PROSPECTING, STAKING OUT, SALE OR LEASE BY ORDER NO. WP 12/37 NER DATED MAY 2/37 SECTION 35, THE MINING ACT, R.S.O. 1900

TOWNSHIP

BCND

MINER ADMINISTRATIVE DISTRICT

TOWNSHIP

MINING DIVISION

PORQUINE

LAND TITLES / REGISTRATION DIVISION

COCHRANE

Ministry of Natural Resources
Ministry of Northern Development and Mines

Date: SEPTEMBER 1956

6-3929

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.



AREAS WITHDRAWN FROM DISPOSITION

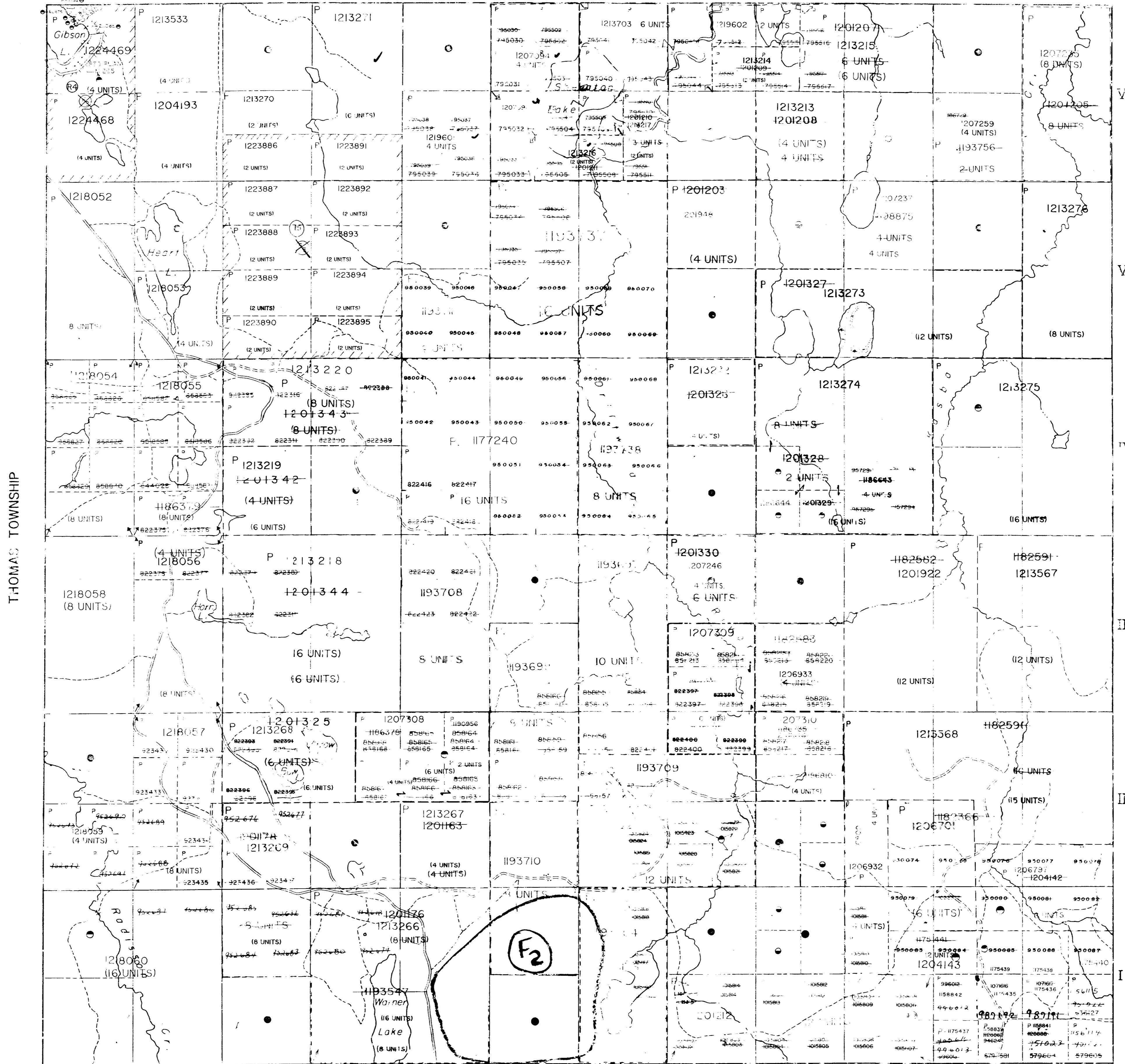
- M.F.O. - MINING RIGHTS ONLY
- S.F.O. - SURFACE RIGHTS ONLY
- M.F.S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Deposit	File
(M)	W 56/77	4/6/77	S.R.O.	177/24
(S)	W 56/77	10/1/78	S.R.O.	177/24
(M)	W 56/77	22/10/83	S.R.O.	177/24

- (R4) - MINING AND SURFACE RIGHTS RE-OPENED UNDER SECTION 35 OF THE MINING ACT, R.S.O. 1990 ORDER NO. O-P-13/97 DATED MAY 16/97. ORDER COMES INTO EFFECT AT 8AM STD TIME, JUNE 1, 1997.
- (R5) - MINING AND SURFACE RIGHTS RE-OPENED UNDER SECTION 35 OF THE MINING ACT, R.S.O. 1990 ORDER NO. O-P-15/97 DATED MAY 22/97. ORDER COMES INTO EFFECT AT 8AM STD TIME, JUNE 10, 1997.

2-17718 EM

EMERALD TOWNSHIP



THOMAS TOWNSHIP

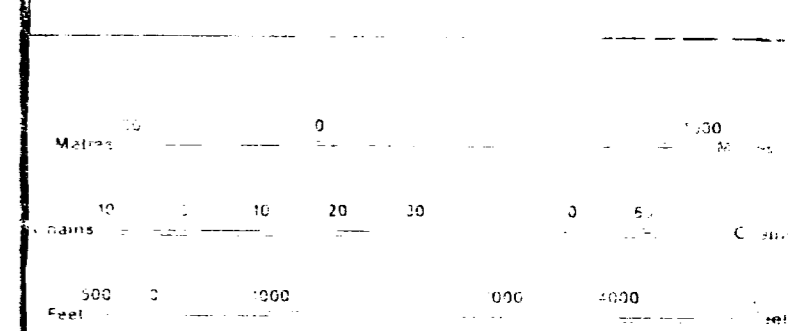
EGAN TOWNSHIP

TIMMINS TOWNSHIP

DISPOSITION OF MINING UNITS

TYPE OF DOCUMENT	FILE NO.
PATENT SURFACE & MINING RIGHTS	
SURFACE RIGHTS	
MINING RIGHTS	
MINING RIGHTS (IN)	
LICENCE OF OCCUPATION	
ORDER IN COUNCIL	
DECLARATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN BRACKETED ARE SUBJECT TO THE PROVISIONS OF THE MINING ACT, R.S.O. 1990.



SCALE 1:50,000

NORTH

THIS MAP IS SUBJECT TO FURTHER ACTIVITIES IN B.M. 5 FURTHER INFORMATION ON FILE.

10 NORTH

SHERATON

M.N.R. ADMINISTRATIVE DISTRICT

TIMMINS DIVISION

MORCUFINE

COCHRANE

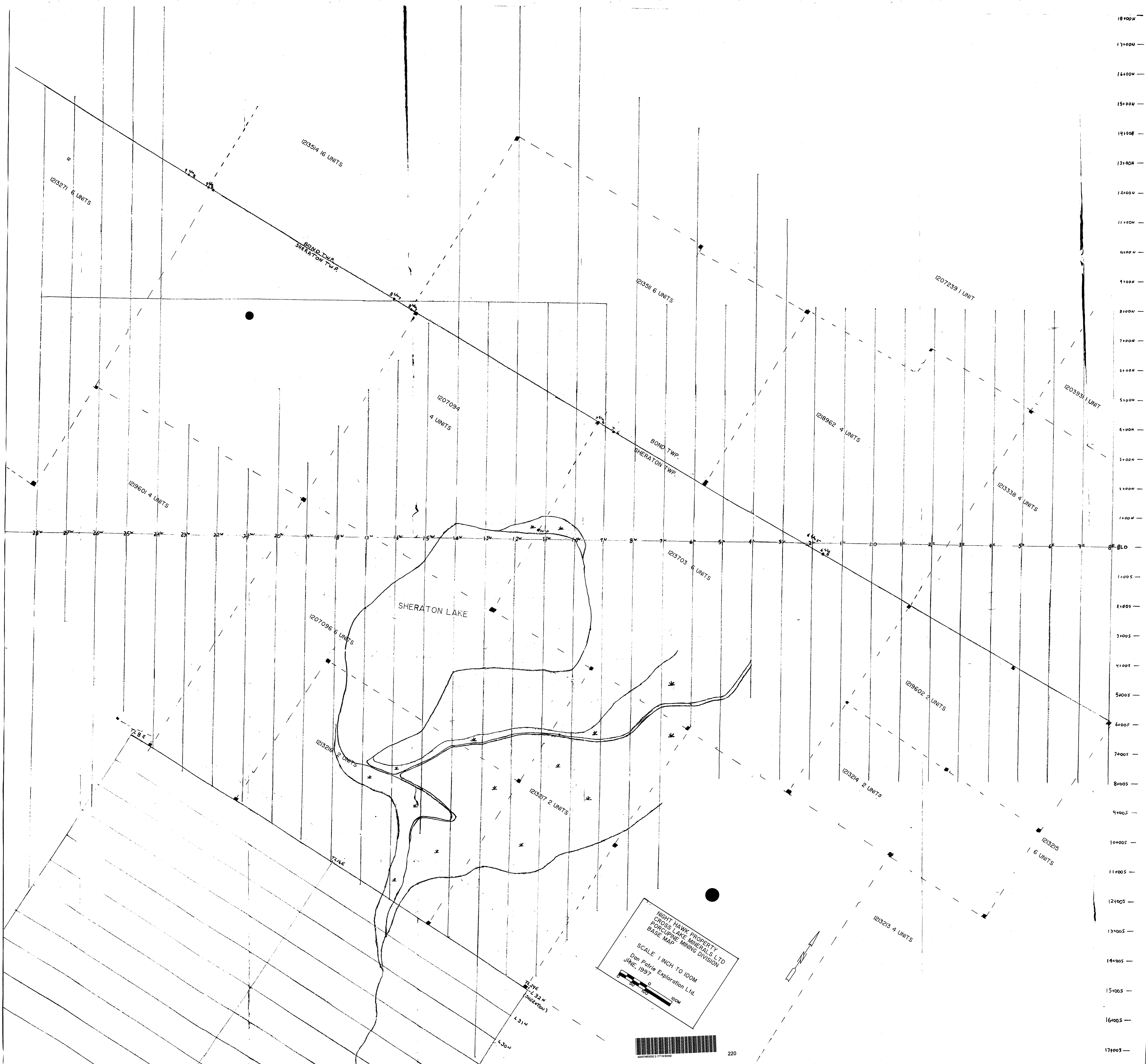
Ministry of Natural Resources

Ministry of Northern Development and Mines

By A.C. Oct 2002

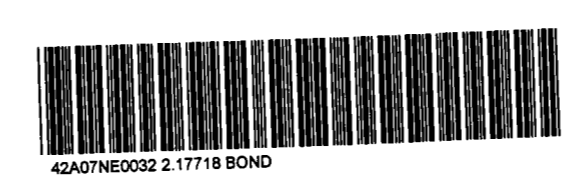
88

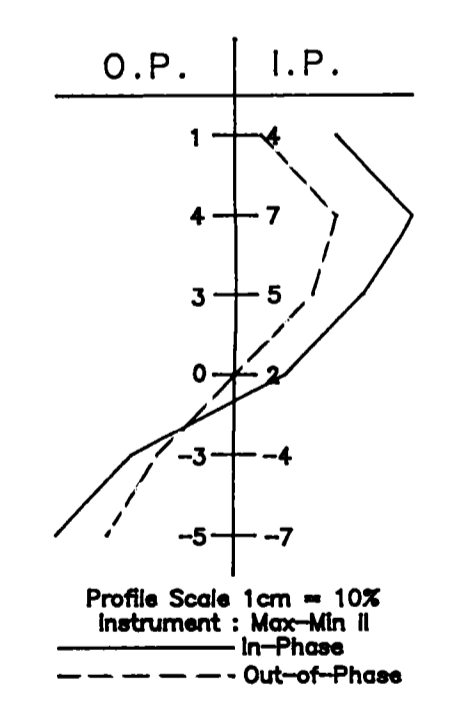
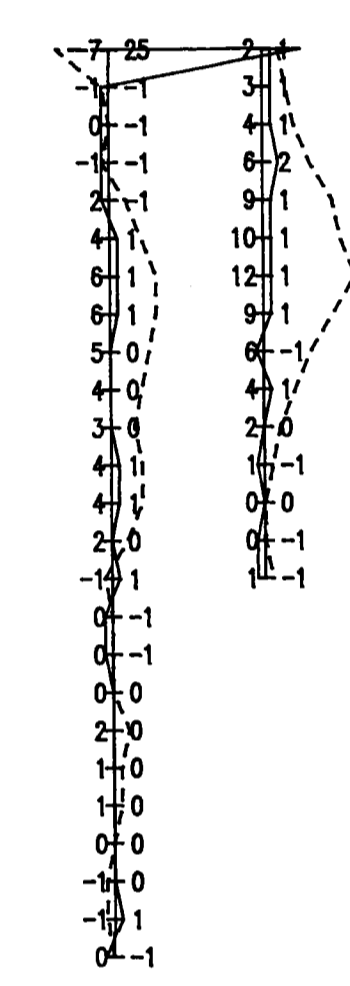
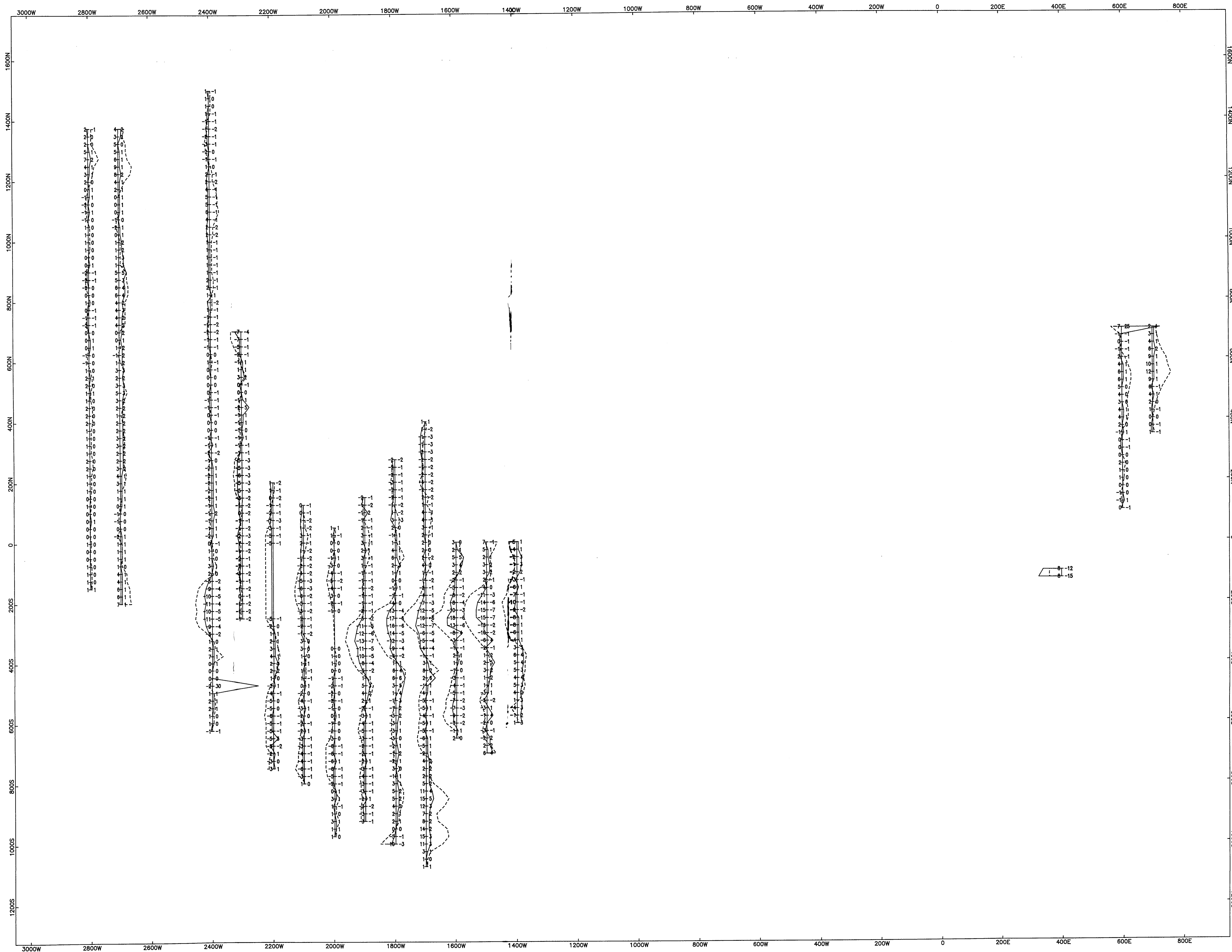
THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. IF YOU WISH TO STAKE MINING CLAIMS YOU SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.



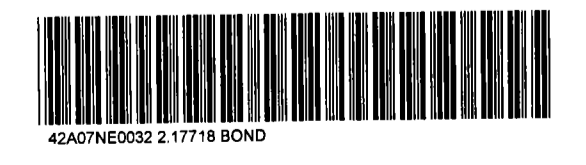
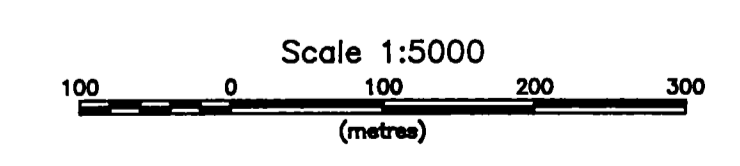
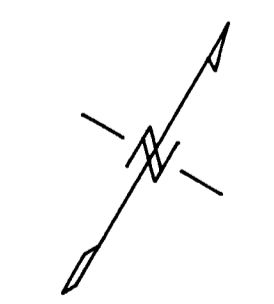
NIGHT HAWK PROPERTY
 CROSS LAKE MINERALS LTD
 FORCUPINE MINING DIVISION
 SCALE 1 INCH TO 100M
 Dan Patrie Exploration Ltd.
 JUNE 1997

2.17718

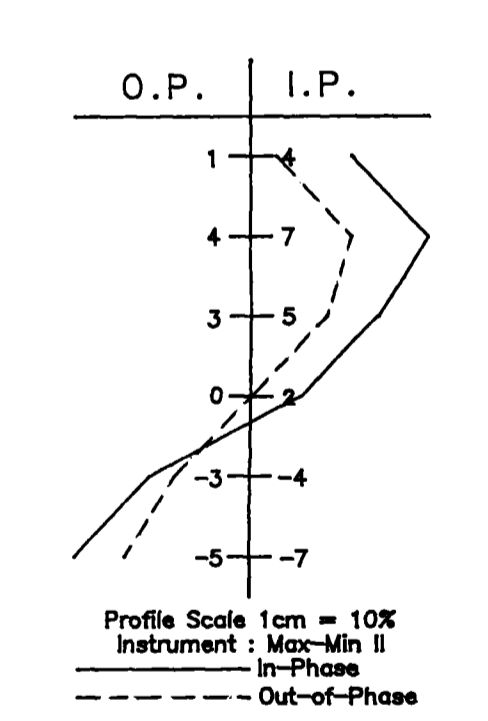
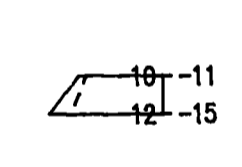
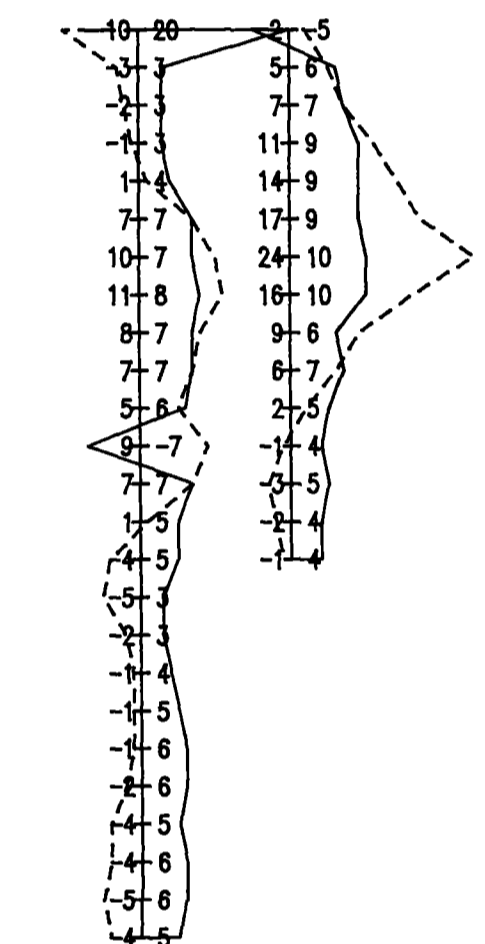
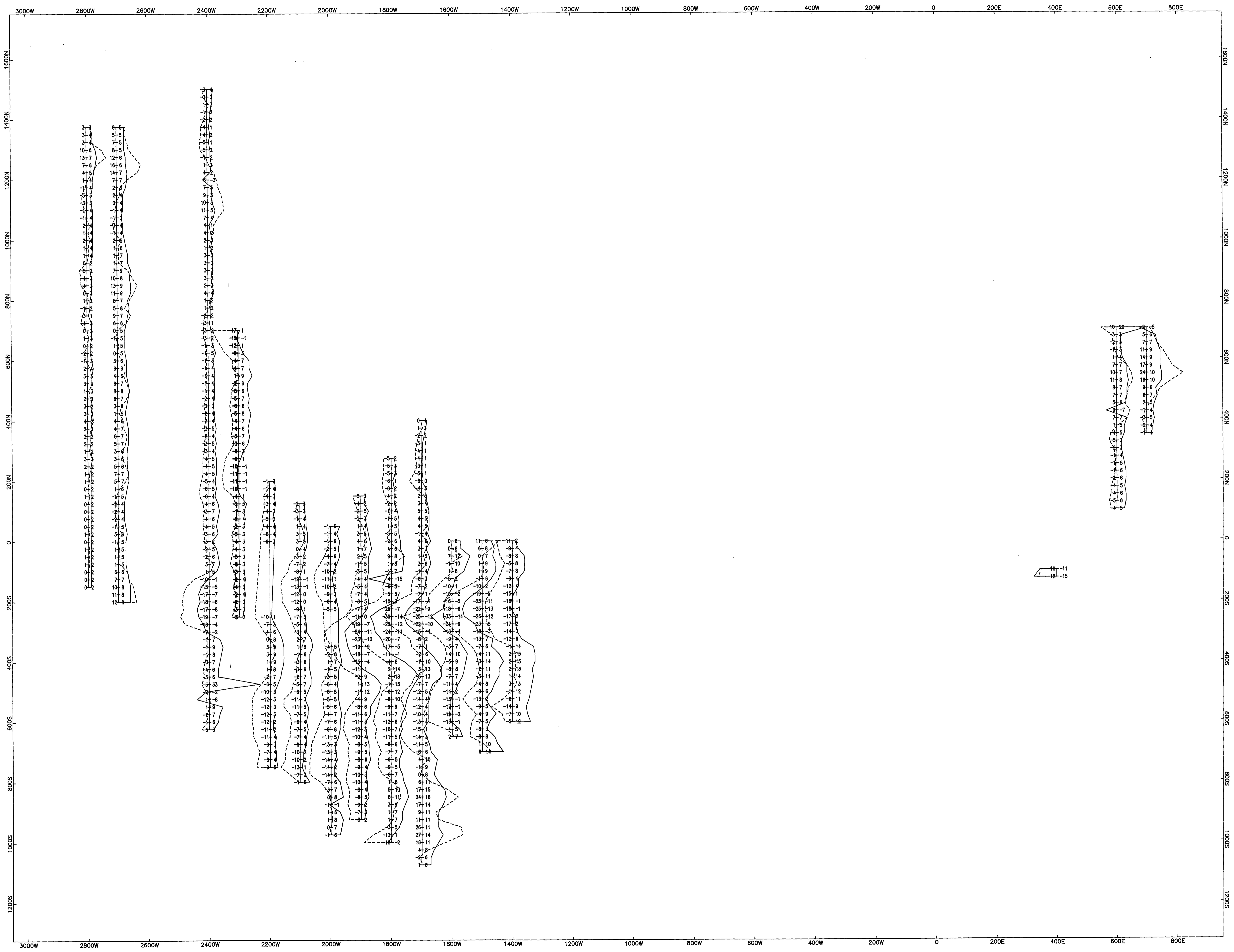




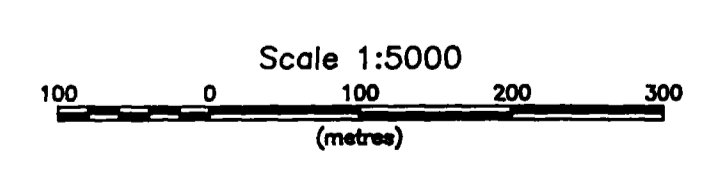
2.17718



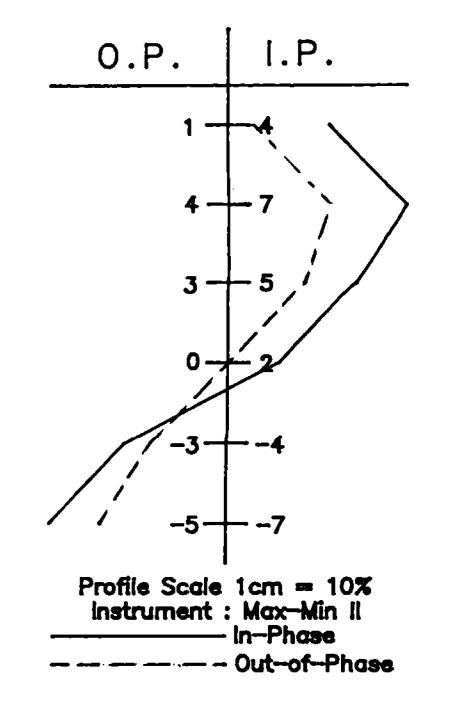
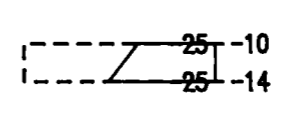
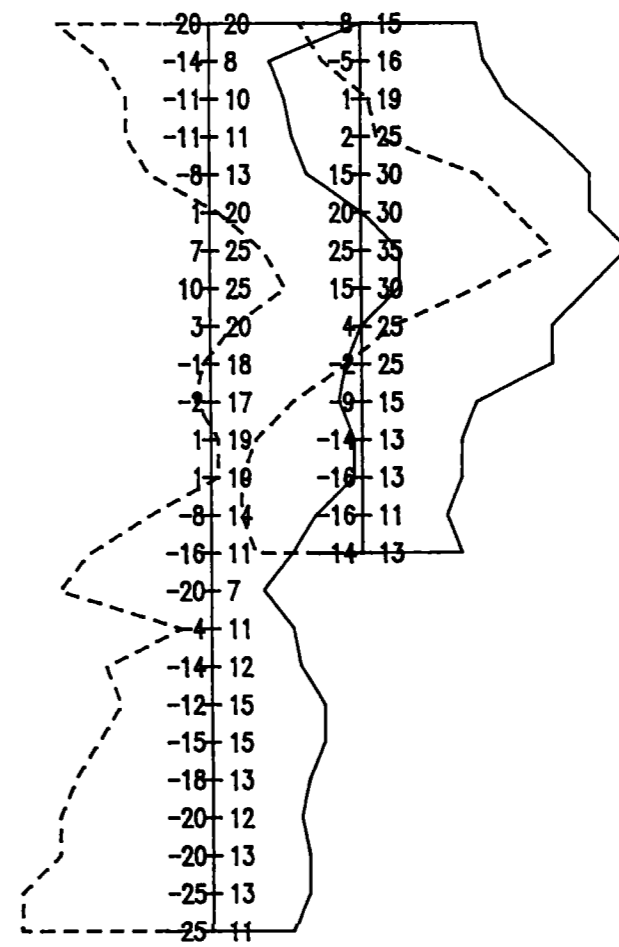
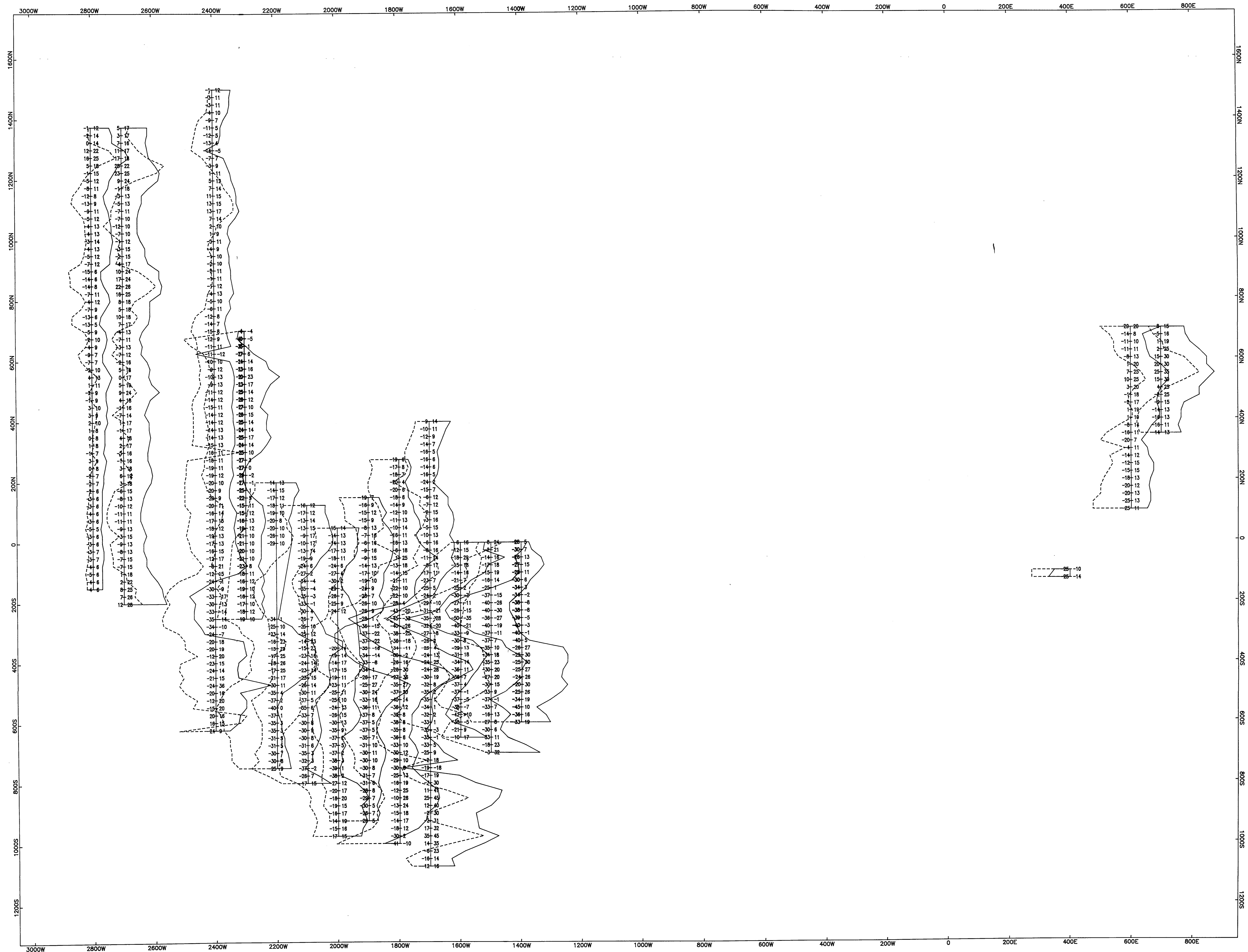
Golden Knight Res./Cross Lake Min.
 Gervais Property
 Bond-Sheraton Townships
 HLEM Survey - 444 Hz
 Cable Length : 200 m
 Station Spacing : 25 m
 Personnel : D. Pathe, B. Pathe
 Survey Date : March 1997
 Dan Patrie Exploration Limited



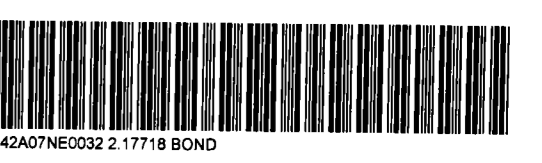
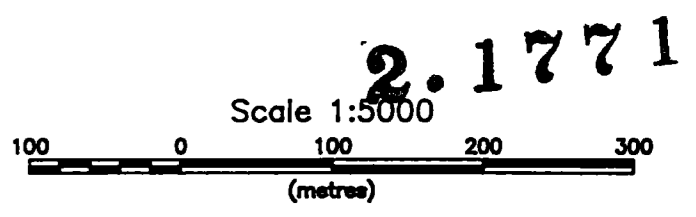
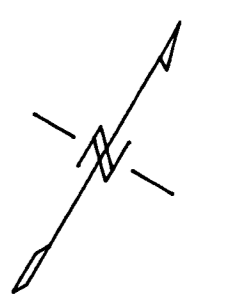
81271218



Golden Knight Res./Cross Lake Min.
 Gervais Property
 Bond-Sheraton Townships
 HLEM Survey - 888 Hz
 Cable Length: 200 m
 Station Spacing: 25 m
 Personnel: D. Patrie, B. Patrie
 Survey Date: March 1997
 Dan Patrie Exploration Limited



Profile Scale 1cm = 10%
 Instrument : Magn-Min II
 In-Phase
 Out-of-Phase



2.17718

Scale 1:5000
 (metres)

Golden Knight Res./Cross Lake Min.
 Gervais Property
 Bond-Sheraton Townships
 HLEM Survey - 1777 Hz
 Cable Length : 200 m
 Station Spacing : 25 m
 Personnel : D. Patrie, B. Patrie
 Survey Date : March 1997
 Dan Patrie Exploration Limited