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**EXPLORATION REPORT
MOND & RAYMOND TOWNSHIPS
LARDER LAKE MINING DIVISION, ONTARIO**

By
James G. Burns
190 Graye Crescent, Timmins, Ontario

September 9, 1999
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RAYMOND

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EXPLORATION REPORT

MOND & RAYMOND TOWNSHIPS

LARDER LAKE MINING DIVISION, ONTARIO

LOCATION AND ACCESS

The claims straddle the Mond/Raymond township line on the southeast shore of Ferris Lake some 75 km SSE of Timmins, 30 km NW of Gowganda and 35 km WSW of Matachewan (**Figure 1**). Approximate geographical co-ordinates for the property centre are 47° 48.4' north latitude by 81° 04.5' west longitude. The NTS designation is 41 P/14.

Access is gained by following Pine Street south from Timmins into Kemp Township, and thence continuing northeastward on a logging haul road into central Halliday Township to the powerline. From there, a track suitable for four wheel drive vehicles (summer only) follows the powerline to the northwest end of Ferris Lake. Road distance from Timmins to Ferris Lake is 100 km. A drill road, commencing approximately 2 km south of Ferris Lake, leads to the centre of the property.

PROPERTY

The property consists of two contiguous claims (**Table 1**) of 16 units each in Mond and Raymond Townships, Larder Lake Mining Division (**Figures 2a & 2b**). Both were recorded on April 23, 1999. The writer is the recorded holder of the claims.

TABLE 1
CLAIMS DATA

Claim Number	Units	Date Recorded	Date Work Required	Required Expenditures
1227660	16	April 23, 1999	April 23, 2001	\$ 6,400
1227661	16	April 23, 1999	April 23, 2001	<u>\$ 6,400</u>
				\$12,800

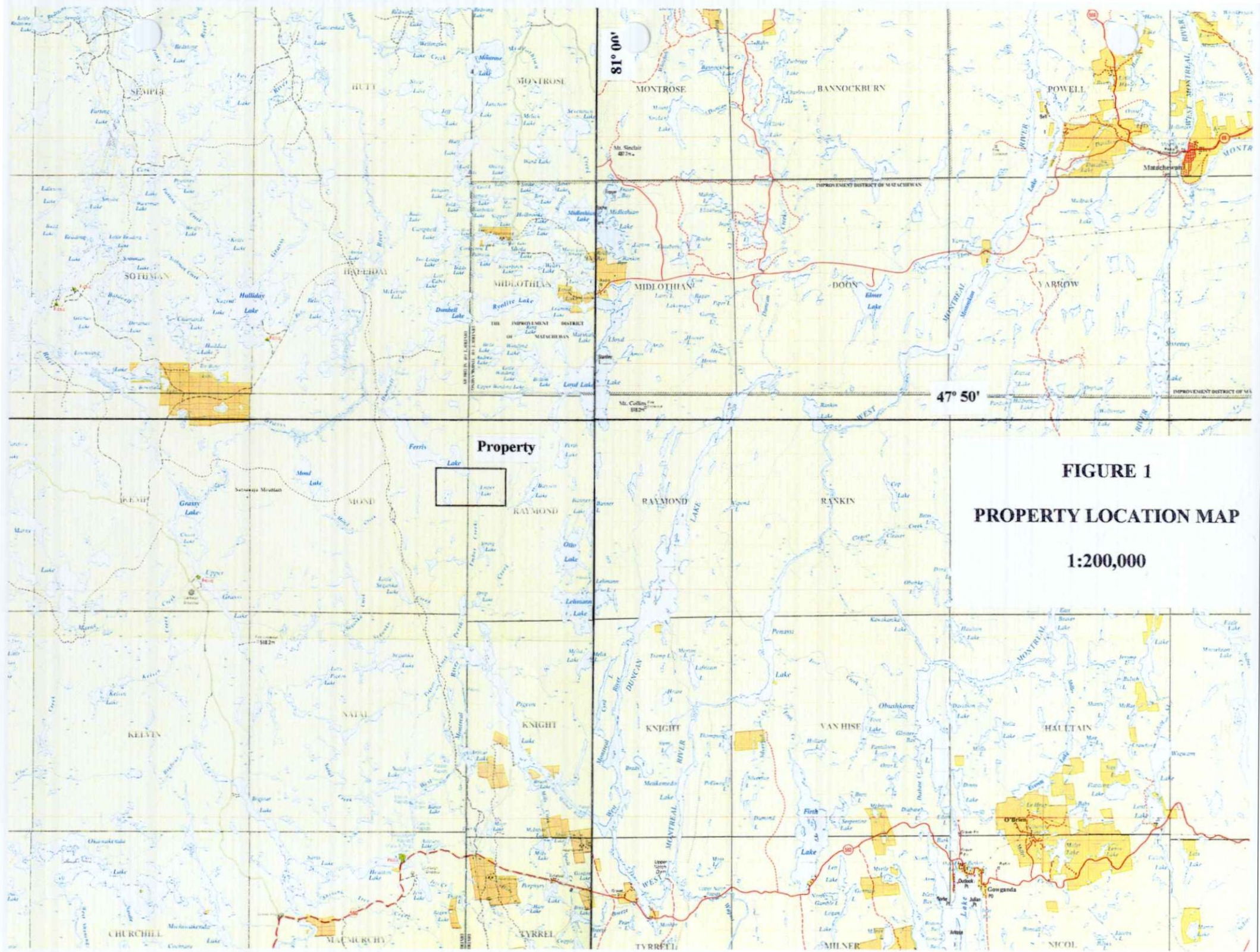
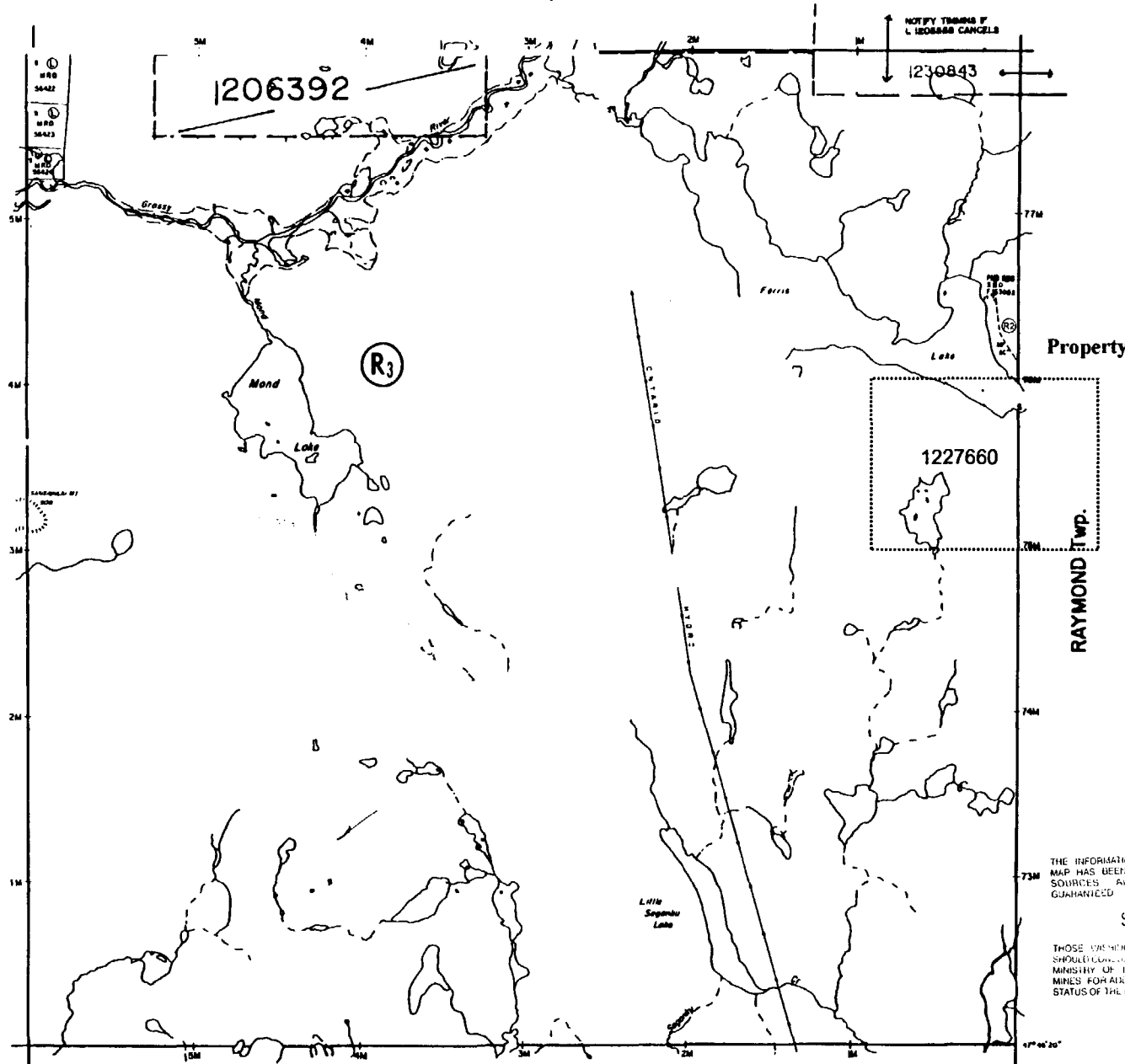


FIGURE 1
PROPERTY LOCATION MAP
1:200,000

HALLIDAY Twp.



KEMP Twp.

NATAL Twp.

RAYMOND Twp.

Property

NOTES

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

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 LAND SHOWN HEREON.

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
(R) Mining & Surface Rights Reopened to prospecting, sale or lease	Order D.L-10/99, previously withdrawn under Order W-65/83			
(R) Sec. 35	W-LL-P1639	07/05/99	M+S	

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	(Road symbol)
IMPROVED ROADS	(Improved road symbol)
KING'S HIGHWAYS	(King's highway symbol)
RAILWAYS	(Railway symbol)
POWER LINES	(Power line symbol)
MARSH OR MUSKEG	(Marsh symbol)
MINES	(M symbol)
CANCELLED	C.
LAND USE PERMIT	*

*used only with summer resort locations or when space is limited

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 LAND SHOWN HEREON.

TOWNSHIP OF

MOND

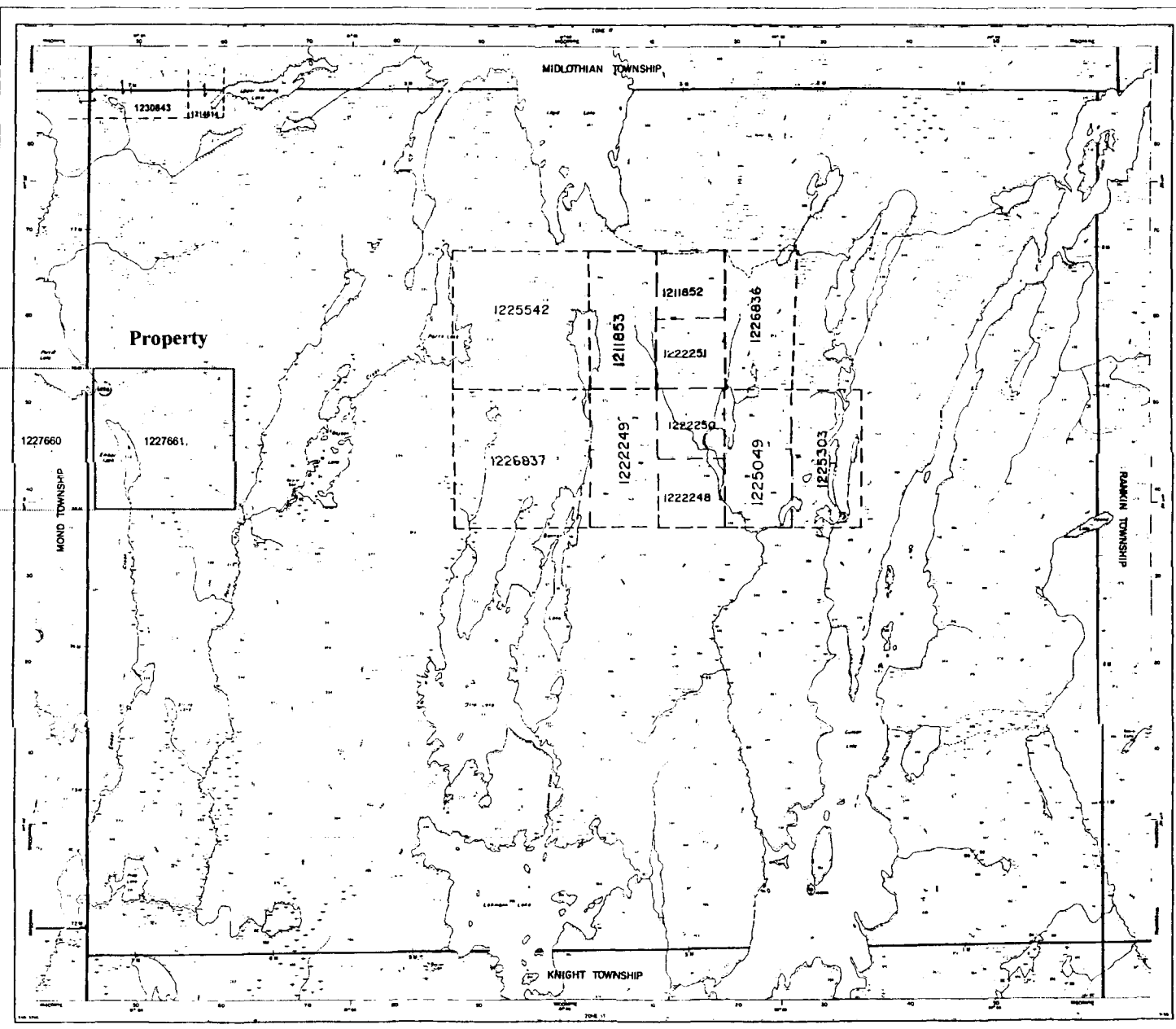
DISTRICT OF SUDBURY

LARDER LAKE MINING DIVISION

SCALE 1 INCH = 40 CHAINS (1/2 MILE)

ON	R.W. MOBLE	PLAN NO	G-997
DATE	NOV 1989		

FIGURE 2a



Ministry of Natural Resources
 Ministry of Northern Development and Mines
 Ontario

INDEX TO LAND DISPOSITION
 PLAN G-3706
RAYMOND

R.S.O. (ADMINISTRATIVE DISTRICT)
KIRKLAND LAKE
 R.L.D. (MINE)
LARDER LAKE
 L.M.B. (MINE) / SURFACE RIGHTS
TIMISKAMING

Scale 1:50,000
 Contour Interval 10 Metres

AREAS WITHDRAWN FROM DISPOSITION
 R.S.O. - MINING RIGHTS ONLY
 R.L.D. - SURFACE RIGHTS ONLY
 L.M.B. - MINING AND SURFACE RIGHTS

SYMBOLS

DISPOSITION OF CROWN LANDS

FIGURE 2b

THE INFORMATION THAT APPEARS ON THIS MAP WAS OBTAINED FROM THE RECORDS OF THE MINISTRY OF NATURAL RESOURCES AND MINES. THIS INFORMATION IS NOT GUARANTEED TO BE ACCURATE AND IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS OBTAINED. THE INFORMATION IS PROVIDED ON THE BASIS OF THE INFORMATION AVAILABLE AT THE TIME OF THE MAP'S PREPARATION.

ARCHIVED MAY 7, 1997
 ARCHIVED MARCH 7, 1995
 CALCULATED AUG. 18, 1992 B.L.B.

THIS MAP SHOWS THE APPROXIMATE LOCATION OF THE BOUNDARIES OF THE AREA WHICH IS THE SUBJECT OF CURRENT LITIGATION. THE EXACT LOCATION WILL BE SHOWN FOLLOWING CONFIRMATION BY THE PARTIES TO THE ACTION.

This map and land disposition data are for reference only. The disposition of land, the name of the holder, and other information on this matter may be obtained from the Ministry of Natural Resources.

PREVIOUS WORK

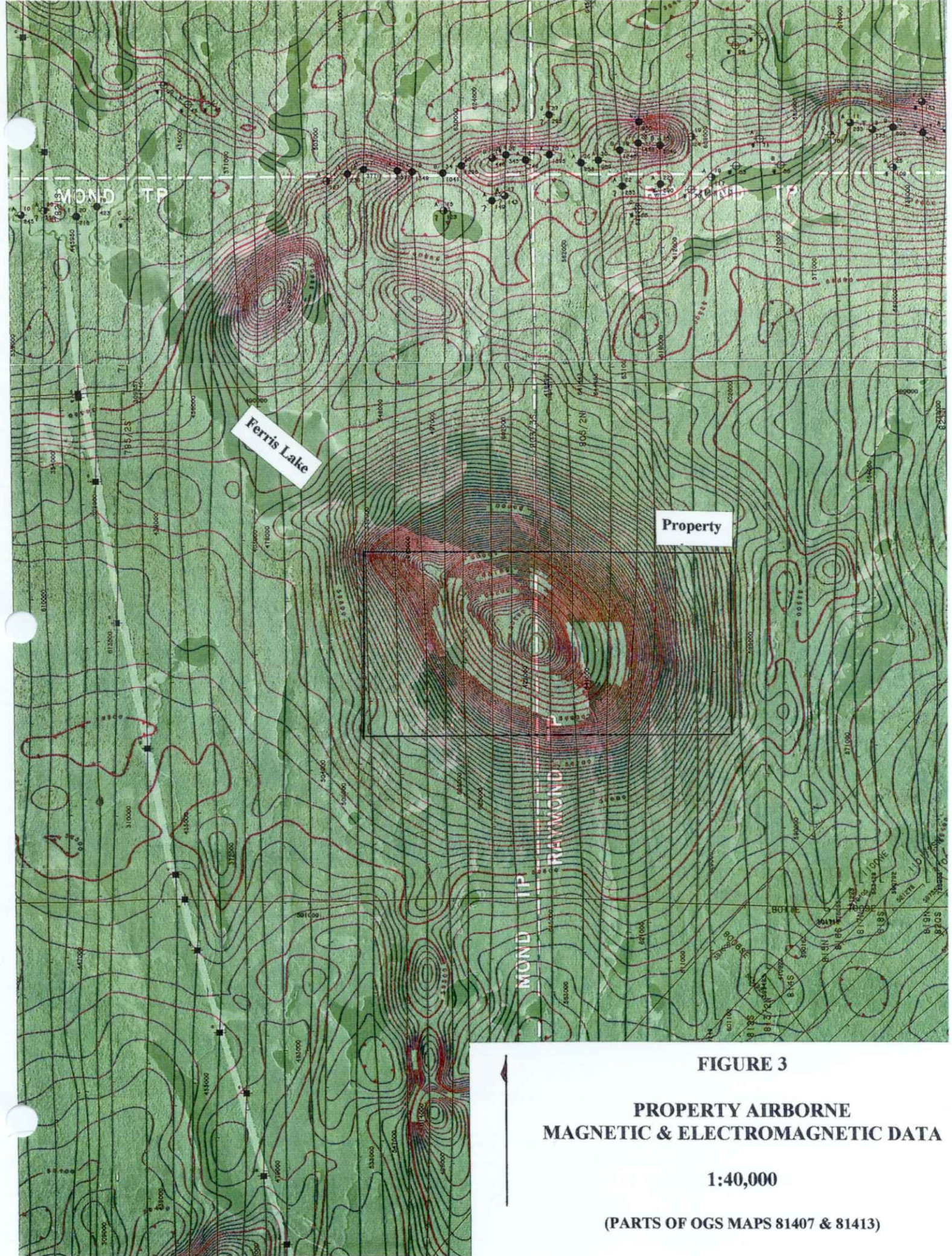
Very little work has been conducted on or in the vicinity of the claims. The only record on file at the office of the Resident Geologist in Kirkland Lake was submitted by Falconbridge Limited in 1991. Data include maps and report for a combined airborne magnetic and electromagnetic survey flown by Aerodat in 1989. Since at that time Falconbridge did not hold any claims in the region about Ferris Lake, no map(s) for that particular area were filed. Nevertheless it was noted in the text that no em anomalies were detected.

No government mapping surveys have been conducted in either Mond or Raymond Township. Both, however, were included in an airborne electromagnetic and magnetic survey flown in 1990 by Geotrex Limited under contract to the Ontario Geological Survey. Flight lines were oriented north/south, and spaced 200 m apart. The average clearance for the magnetic sensor was 120 m and for the electromagnetic sensor 40 m (OGS, 1990). An isolated, oval, northwest striking magnetic feature was delineated immediately southeast of Ferris Lake (**Figure 3**). No em anomalies were detected associated with the magnetic feature nor elsewhere on or near the property.

Both Mond and Raymond Townships were included in the Bear Island Indian Land Caution emplaced in 1978. Therefore, despite the high level of exploration in the general region no work was permitted in the township except on patented lands. Following the lifting of the caution (partial in 1995 and complete in 1996) the Mond / Raymond anomaly was staked three times by different parties, but no exploration work was filed. Moreover, during the conduct of the current exploration program no signs of any exploration activities (ie. cut lines, drill roads&/or pads, etc) were noted.

REGIONAL GEOLOGY

As shown on **Figure 4** (OGS, 1991) the property is 100% covered by Proterozoic aged clastic sedimentary rocks of the Cobalt Group of the Huronian Supergroup. Units comprising the group are flat lying, and locally at least, intruded by diabase sills. The Cobalt Group unconformably overlies Archean aged generally east/west striking, steeply dipping ultramafic, mafic and felsic

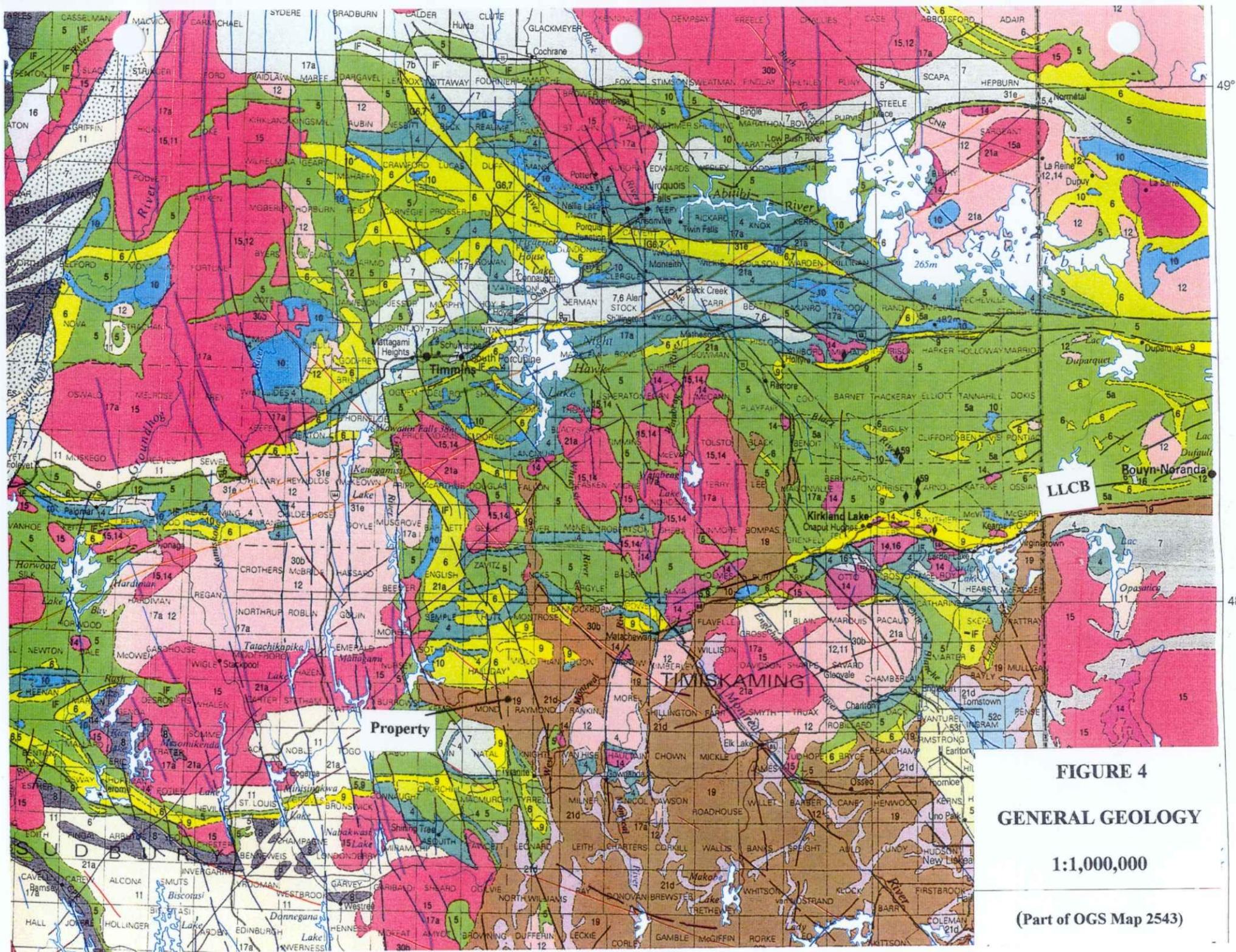


Ferris Lake

Property

MOND TP
RAYMOND

FIGURE 3
**PROPERTY AIRBORNE
MAGNETIC & ELECTROMAGNETIC DATA**
1:40,000
(PARTS OF OGS MAPS 81407 & 81413)



LLCB

Property

FIGURE 4
GENERAL GEOLOGY
1:1,000,000
 (Part of OGS Map 2543)

volcanic, clastic and chemical sedimentary rocks plus intrusions of the Abitibi Greenstone Belt (AGB). Three sets of diabase dykes that partially in-fill deep seated, regional faults/fractures criss-cross the region. The oldest north/south set cut only the Archean rocks, whereas the NW/SE and NE/SW cut rocks of both ages. Total thickness of the Cobalt units in the region is unknown, but calculations using the airborne total field magnetic data indicate a depth to the top of the magnetic anomaly of 450 to 500 m.

The magnetic feature underlying the property sits at the intersection of several closely spaced N/S faults, a prominent NW/SE fault and the projected westward extension of the Larder Lake-Cadillac Break (LLCB). Evidence for the first two are best seen on **Figure 5** (Excalibur, 1992), while documentation of the LLCB is more obscure. Its trace has been successfully mapped, although offset progressively southward by cross faults, westward from Kirkland Lake into Yarrow Township before being lost under the Cobalt sediments (**Figure 4**). Its projection into Mond and Raymond Townships is suggested by the right lateral displacement of the NW/SE structure to the east from the magnetic anomaly (**Figure 5**).

1999 EXPLORATION PROGRAM

The primary target on the property and the focus of the 1999 program was the magnetic anomaly. From the magnetic signature the causative body is oval in shape with axial dimensions (estimated from the airborne magnetic data) of 2.7 km NW by 2.0 km NE, and dips steeply to the northeast. A mafic-ultramafic intrusion was considered to be the most probable cause for the anomaly. Intrusions of this type may host massive and/or disseminated sulphide Ni-Cu-PGE deposits, normally located near the stratigraphic footwall of the intrusion, and at the current prices of these metals represent attractive exploration targets. Secondary targets are gold deposits, similar to those at Matachewan, Kirkland Lake and Larder Lake, hosted along the LLCB or splays from it.

The exploration program was conducted during July and August, 1999, and consisted of line cutting (5.38 km), a ground magnetic survey (4.90 km), geological mapping (4.16 km), a ground VLF-em survey (4.16 km), and a 395 m NQ size core hole. Fifty-two (52) core samples for a total length of 69.05 m were sawn and assayed/analyzed for gold by fire assay as well as for 34 additional major and trace elements by ICP. Line cutting and the magnetic survey were contracted to Hussey Geophysics Inc. The core drilling was accomplished by Norex Drilling

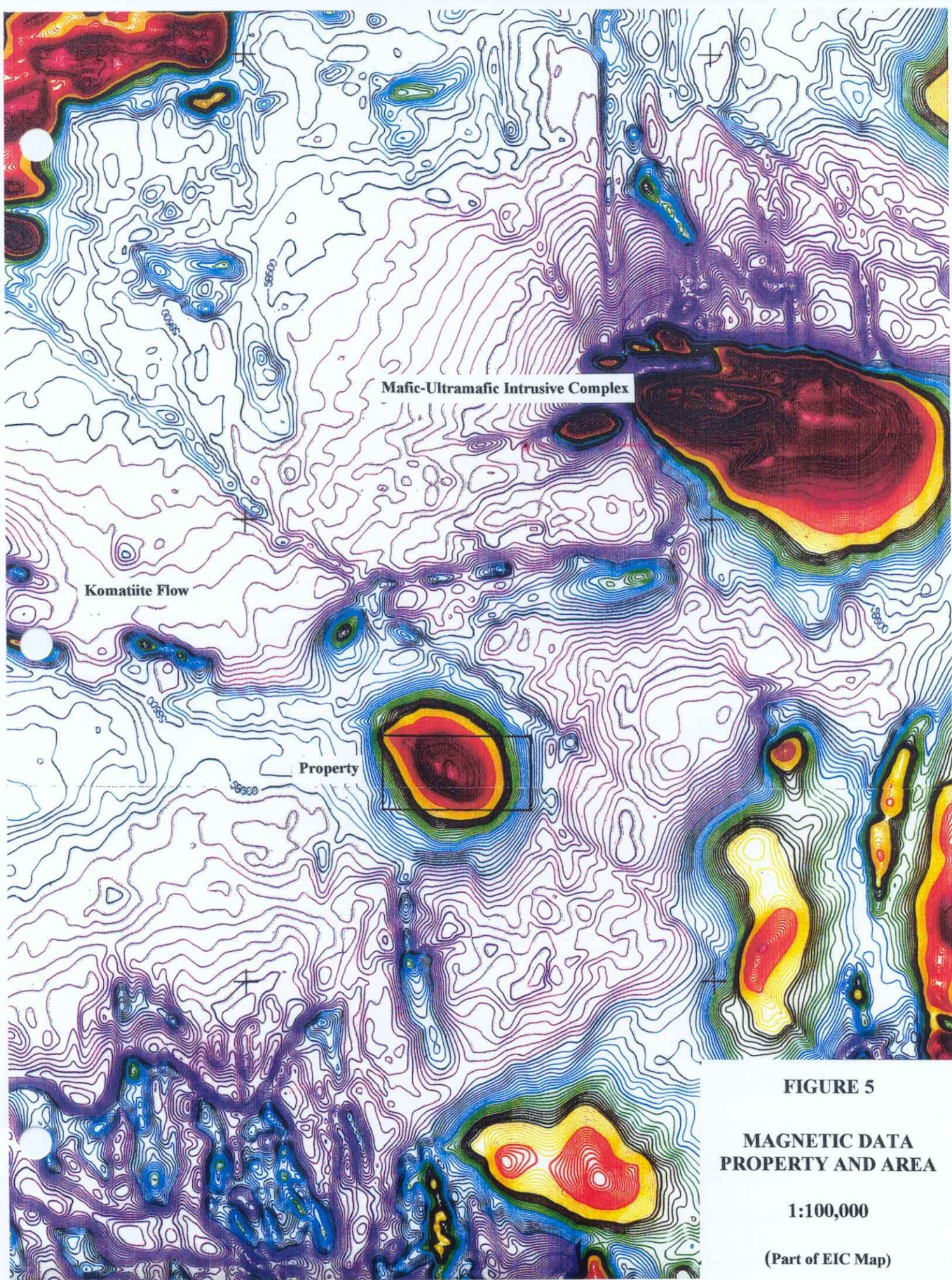


FIGURE 5

**MAGNETIC DATA
PROPERTY AND AREA**

1:100,000

(Part of EIC Map)

Limited. Assaying and analysis was performed by Chemex Labs. All other work was conducted by the writer assisted by A-M Burns.

RESULTS

Magnetic Survey

The two control lines (**Figure 6**) 200 m apart with a 20 m station interval and oriented at 035° were cut over the heart of the aeromagnetic anomaly. These lines were surveyed (247 stations) with a Gem GM-19 (sensitivity 1nT) in an attempt to more accurately determine the contact locations of, the depth to the top of, as well as the dip of the intrusion. Total field data - base station readings were used to corrected for diurnal drift - are presented in profile form as (**Figure 7**).

Results were interpreted by J. B. Boniwell of Excalibur International Consultants Ltd (Boniwell, 1999). From the profiles three distinct responses were noted; 1) a broad major anomaly due to the underlying intrusion, 2) a NW/SE striking feature, probably caused by a diabase dyke located on the southwest side of the intrusion, and 3) a series of singular high values interpreted to be responses to glacially transported diabase boulders. The intrusion was calculated to be 380 - 440 m below surface, to be about 900 m wide with the SW contact set at 920 m N on line 0 (+/- 100 m Boniwell, personal communication), and to dip approximately 80° NE. Boniwell's memo report is presented herein as **Appendix I**.

VLF Survey

The sole purpose of the VLF survey was to map structural features. Readings (dip angles $\pm 1^\circ$) were taken at 20 m intervals (209 readings) with a Phoenix VLF-2 instrument tuned to station NAA located at Cutler Maine. Results are presented as a Fraser Filter plot in **Figure 8**.

Several E/W to NW/SE anomalies of weak to moderate strength were delineated. The one centred at 1100 N coincides precisely with the location of the diabase dyke as interpreted from the magnetic data. Thus, the usefulness of VLF to map structure is confirmed.

Another anomaly at 900 N corresponds to the location of an interpreted diabase boulder, but due to its comparable strength to that at 1100 N may actually also reflect a dyke. Since it also overlies the interpreted position of the contact to the intrusion a re-evaluation of the contact

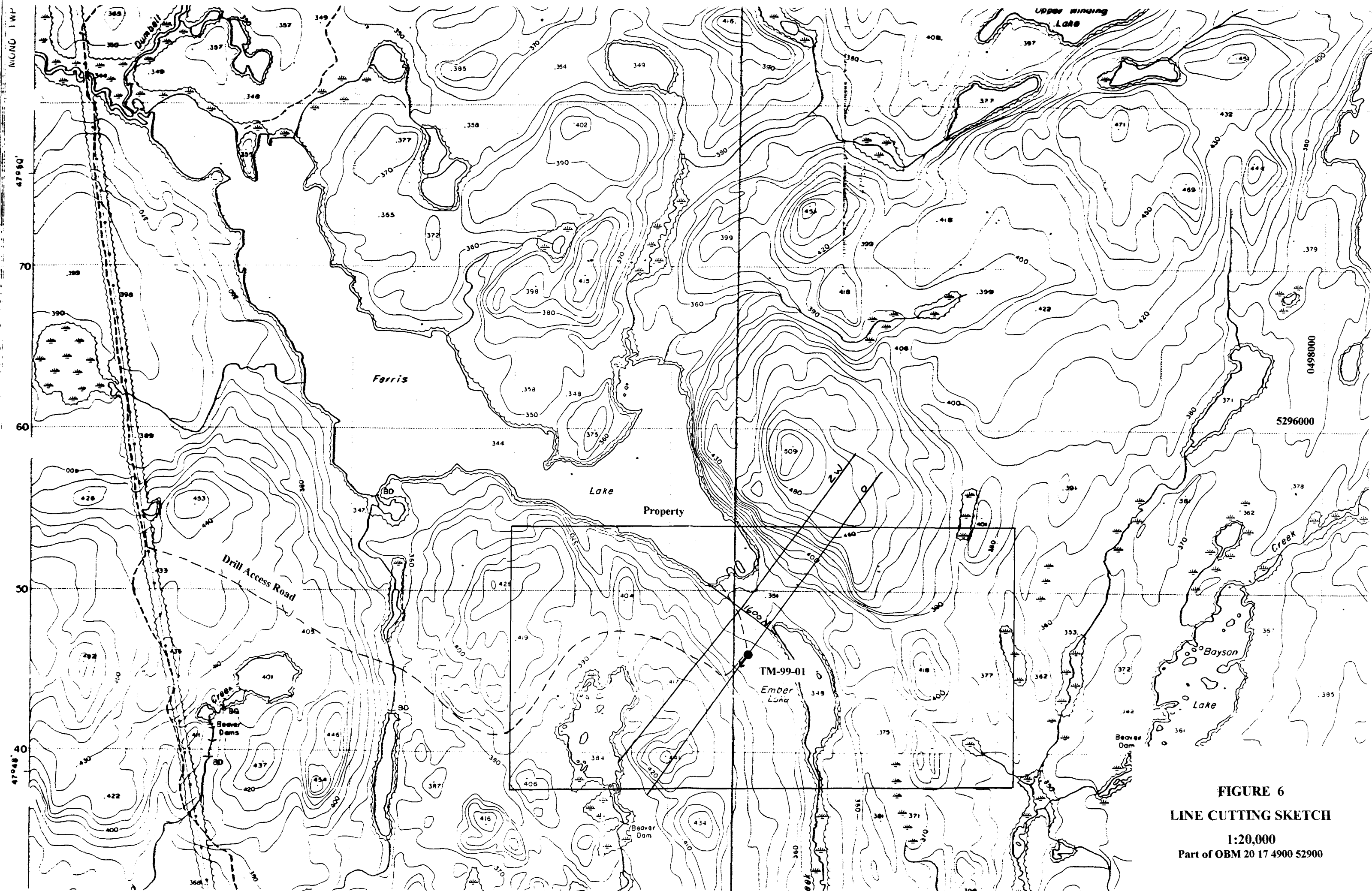


FIGURE 6
LINE CUTTING SKETCH
 1:20,000
 Part of OBM 20 17 4900 52900

location is required.

A cliff face on line 2 W is expressed by a weak VLF anomaly at that location. Potential causes for the other anomalies are unknown.

Geology

One day was spent mapping in outcrops along the two lines and searching for evidence for the diabase dykes and for diabase boulders. All outcrops located (**Figure 9**) were fine to medium grained, light grey to reddish quartzite of the Gowganda Formation of the Cobalt Group. Bedding is poorly developed and not measurable with any degree of certainty. Most boulders examined were also of quartzite although there is the usual glacial mix of lithologies.

Two boulders of diabase were found, one of which was located as predicted from the interpretation of the magnetic data at 875 N on line 2 W. There the rock is medium grained, fine to medium grained, black, weakly magnetic and composed of 50% mafic minerals and 50% feldspar. Another small mafic boulder located at 580 N on line 0 is strongly limonitic, medium grained, strongly magnetic and composed of mafic minerals and feldspar in 40/60 ratio.

Drilling

A single 395 m NQ size core hole inclined at 85° at an azimuth of 215° was drilled into the centre of the magnetic anomaly. The rationale for the location of the hole, TM-99-01, (see **Figures 6, 8 & 9** for the location) are as follows:

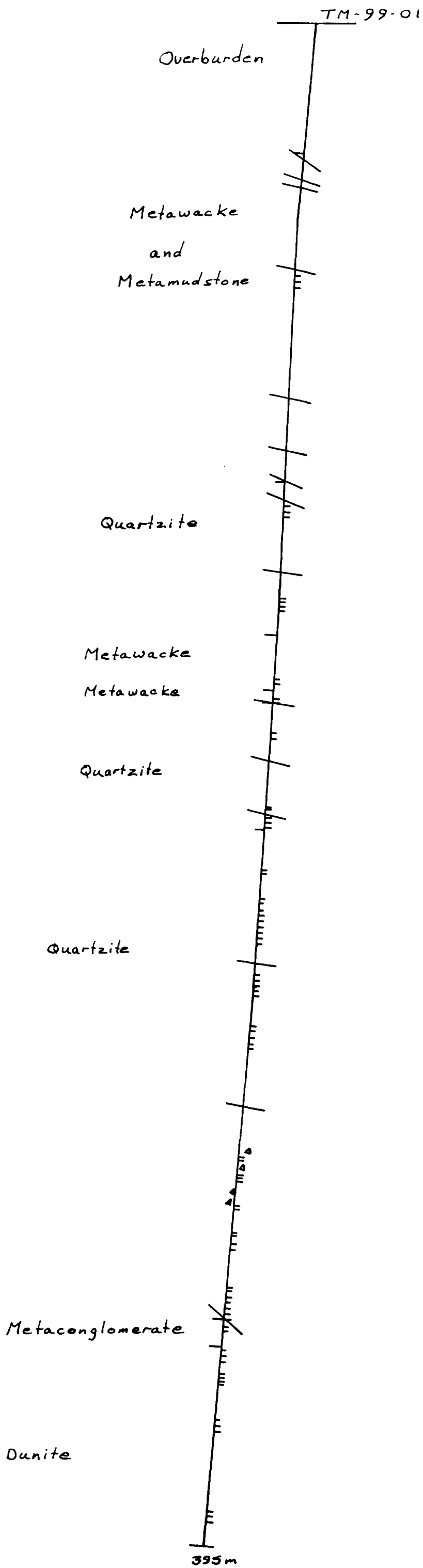
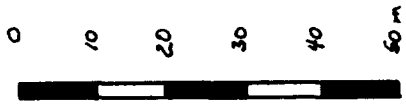
- The source body for the anomaly, although thought to be a mafic-ultramafic intrusion, was unknown.
- Assuming that the source body was a mafic-ultramafic intrusion, any potential accumulation of sulphide mineralization would be near the structural footwall contact. However, since the position of the contacts could only be estimated to ± 100 m, the possibility of over shooting the contact was considered too great a risk for a first pass drill program.
- The location of the diabase dyke and other possible structures near the contact location also posed a risk to completing the hole. Either the hole could be deflected into and trapped within the structure or if the structure were open the hole could be lost entirely.
- The purpose of the initial inclination was to direct the hole towards the SW contact in the event that a down hole geophysical survey was appropriate at a latter date.

Figure 10 is the cross section for hole TM-99-01, and **Figure 11** is a schematic drawing for the geological setting. The drill log follows in **Appendix II** and the assay certificate in **Appendix III**. A mixed sequence of flat lying quartzite, metawacke, metamudstone and metaconglomerate of the Gowganda Formation was cored from bedrock surface at 33.0 m to 342.8 m. Bedding is poorly to very well developed particularly in the lower part of the sequence. A dark purplish pink quartzite member intersected from 119.15 to 158.60 m could be used as a marker horizon.

Three distinct forms of sulphide mineralization were noted. Detrital pyrite occurs throughout the sequence, but is more abundant (up to 3% over 1.5 m and up to 20% in individual thin beds) in the coarser grit beds. All samples from all units assayed < 5ppb Au. Pyrite (\pm minor chalcopyrite) also occurs throughout the sequence on fractures in association with chlorite and carbonate or albite and carbonate. Again, all samples assayed < 5ppb Au. Finally, fractures and vuggy veinlets mineralized with pyrite, galena and chalcopyrite are found in a fine to medium grained, light to mid grey well bedded quartzite from approximately 227.0 to 336.25 m. The section from 328.0 to 336.25 m is strongly anomalous in lead and zinc, including assays of 5440 ppm Pb and 920 ppm Zn each over 1.5 m.

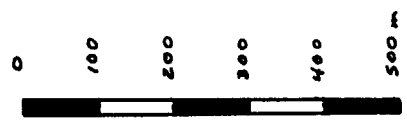
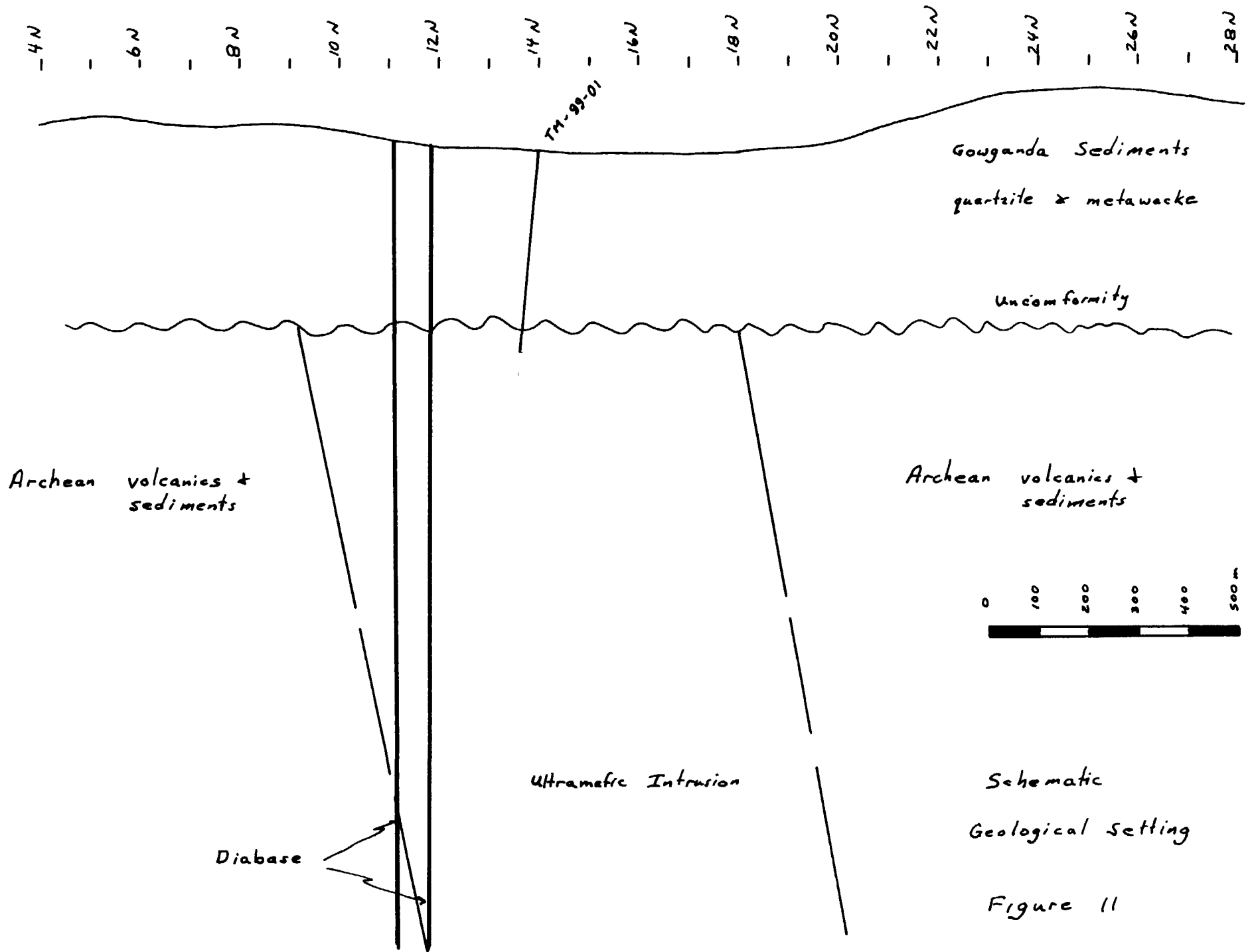
Samples 78504 to 78513 exhibit anomalous values for barium (values to 1070 ppm over 1.2 m). The nature of the mineralogy is unknown, but some values correspond to samples containing albite-carbonate veinlets.

A moderately to strongly fractured, massive, serpentinized, magnetic, olive green dunite was cored from 342.8 to the bottom of the hole. No regolith is present at the overlying the unit, but rounded to subangular pseudo clasts may have formed from "onion skin" weathering along near surface fractures. Traces of pyrite occur on fractures, but gold values were all low (best 10 ppb). Nickel values from 1905 to 2510 ppm most probably reflect nickel held in the silicate minerals. There are no anomalous copper assays. The lack of disseminated and/or massive sulphides within the dunite is to be expected given the distance from the hole to the contacts, and should not be considered a negative feature.



TM-99-01
CROSS SECTION

Figure 10



Schematic
Geological Setting

Figure 11

RECOMMENDATIONS

Now that the source body for the magnetic anomaly has been positively determined the next logical step is to identify drill targets associated therewith. Any tool used, whether geophysical or geochemical, must be applicable to the thick depth and physical properties of the cover rocks. Suitable geophysical techniques include Quantec realsection IP and magnetotelluric (MT) surveys. A modelling exercise undertaken by Quantec indicated that a 30 million tonne deposit of 10% disseminated sulphides hosted within a dunite, which itself would be anomalous compared to the surrounding lithologies, would give a response of 1.5 to 2 times background at a depth of 500 m (J. Warne, personal communication). The magnetotelluric method has been successfully tested in the Sudbury area to detect known bodies of mineralization at depths greater than 500 m. At present the MT method is preferred since station positioning can be accomplished using a GPS thus eliminating the need for a cut grid.

Several geochemical methods, such as Mobile Metal Ion (MMI) and Enzyme Leach (provided by XRAL Laboratories and Actlabs respectively) that involve selective or partial digestion of the sample material have been developed to explore for deeply buried deposits (>700 m in case histories) in a variety of geological settings. Two basic aspects of the hypothesis supporting the method is that metal ions have migrated to surface along fracture pathways, and that at surface these ions are only loosely attached to the sample medium. An orientation survey along line "0" would be useful to determine the practicality of the method. In theory, the method should be applicable for both identified target types.

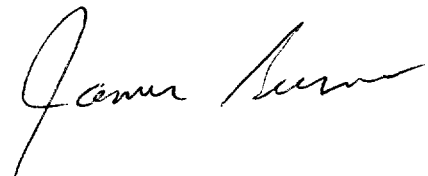
Archean faults and deformation zones are traceable through Huronian stratigraphy as topographic lineaments, and as structural zones within the sediments (Powell, 1991). Moreover, a study in a similar geological setting in Quebec demonstrated that zones of quartz and quartz-feldspar gash fractures directly overlay the Archean structures and in one instance also coincided with a gold occurrence. Thus, an air photo interpretation of the property and immediate area followed by prospecting of selected areas is an appropriate and cost effective method to search for the trace of the LLCB.

CONCLUSIONS

The 1999 exploration program was successful in that a dunite was determined to be the principal cause for the magnetic anomaly, and that a secondary signature due to a series of NW/SE diabase dykes or a bifurcated dyke was superimposed on the main anomaly. No accumulation of massive nor disseminated Ni-Cu mineralization were cored, but is not considered negative due to the remote location of the hole relative to the interpreted position of the contacts. Samples taken to test for the possible presence of detrital gold in the Cobalt sediments all assayed low. Anomalous concentrations of Pb and Zn hosted in vuggy quartz veinlets in quartzite were cored from the lower portion of the Cobalt sediments.

A deep penetrating geophysical survey such as realsection IP or magnetotellurics and/or a selective leach geochemical survey is/are the next logical step(s) to further evaluate the Ni-Cu-PGE potential of the property. The possibility for the occurrence of Archean lode gold deposits may be assessed by conducting an air photo interpretation and prospecting.

Respectfully submitted,



James G. Burns B.Sc. P.Eng.

September 9, 1999

REFERENCES

Boniwell, J. B.

- 1999 Magnetic anomaly, Mond/Raymond Twps.; Excalibur International Consultants, memo report, 4p.

Excalibur International Consultants Ltd.

- 1992 Airborne magnetic/electromagnetic survey, Shining Tree, Ontario; Excalibur Geoscience Inc., map of reprocessed data of the OGS, scale 1:100,000.

Ontario Geological Survey

- 1990 Airborne electromagnetic and total intensity magnetic survey, Shining Tree area; Ontario Geological Survey, Maps 81407 & 81413, scale 1:20,000.

Ontario Geological Survey

- 1991 Bedrock geology of Ontario, east-central sheet; Ontario Geological Survey, Map 2543, scale 1:1,000,000.

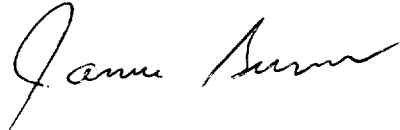
Powell, W. G.

- 1991 The distribution, structural history and relationship to regional metamorphism of high-strain zones forming the Larder Lake -Cadillac deformation zone, Matachewan area, Abitibi Belt; Ontario Geological Survey, Open File Report 5789, 150p.

**CERTIFICATE
FOR
JAMES G. BURNS**

- 1) I am the author of this report.
- 2) I reside at 190 Graye Crescent, Timmins, Ontario, Canada.
- 3) I graduated from Queen's University at Kingston, Ontario in 1969 with a B.Sc. (Honours) in Geological Science. I have been practising my profession continuously since that date.
- 4) I am a member of the Association of Professional Engineers of Ontario, the Canadian Institute of Mining and Metallurgy, and the Prospectors and Developers Association of Canada.
- 5) This report is based upon my personal observations, and discussions with persons familiar with the general region.
- 6) I am the registered holder of the claims being reported upon.

Timmins, Ontario
September 9, 1999


James G. Burns P.Eng

Appendix I
Boniwell Memo Report

MEMO TO : Jim Burns
MEMO FROM: J. B. Boniwell
SUBJECT : Magnetic Anomaly, Mond/Raymond Twps., Ont.
DATE : July 27, 1999

An aeromagnetic anomaly defined in the OGS Shining Tree survey area (1990) straddles the common boundary between Mond and Raymond Townships. On regional geology, it lies under a significant thickness of a gently lying non-magnetic Coleman sediments.

A. Airborne

The anomaly is nearly circular and measures roughly 1.5 kms by 2 kms in plan or 300 ha. It is also buried, estimated from the airborne data to lie 480-530 m below land surface (after allowing 120 m for the sensor height). It appears quasi-isolated in terms of basement (Archean) geology, and stands at the intersection of NW-SE regional faulting (Matagami River structural direction), N-S dyking (Matachewan swarm) and ENE to NE lineaments potentially including the western extension of the Kirkland Lake/Larder Lake break. In these circumstances, there is not much doubt that the anomaly expresses a mafic to ultramafic plutonic plug that has exploited a low pressure point in this structural environment. As such it represents a prospective mineral event, especially for copper/nickel and the platinum group, possibly for diamonds. There is no evidence that it has been explored before.

One of the primary reasons it would have escaped previous attention is the fact that it lies too deep for airborne em detection of any sulphides resident within. Without an AEM anomaly to highlight it, many past exploration programmes would have not been attracted to it.

B. Ground

On the ground, more can be expected. As a start towards establishing some preliminary essentials, two lines 200 m apart oriented 35° true, each 2800 m long have been put across the peak



of the aeromagnetic anomaly. This feature was duly confirmed by total field magnetometer readings every 20 m along both lines.

The resultant profiles however provide three type-responses, the major one, a gentle long wave length departure due to the buried body of current interest, the other two consisting of much shorter wave length expressions which are superimposed on the underlying principal curve. Of the latter, one is considered due to a diabase dyke striking NW-SE across the two traverses to the south side of buried pluton. Its main peaking is at 1100N on line 00; the companion response on line 200W is at 1060N. These are genuine responses to bedrock which itself lies less than 15 m from surface in this locality. The other or third component is a series of high frequency responses between 800N-920N on line 200W. These appear surficial in cause, likely boulders of diabase which have been transported by glaciation on to the higher ground they now incidentally occupy.

These extra magnetic sources are not seen to relate to the buried body. The dyking is younger almost certainly: there is indication of it passing through the deeper anomaly, and although the chance remains such intrusion could have stemmed from the same magnetic source, it is here regarded highly unlikely. Everything points to two intrusive episodes much separated in time.

The buried body on the basis of the ground profiles tops between 380m-440m from surface. It is projected to be at least 900 m wide with the basal contact set at 920 N on line 00. These are approximations only. Thus it is difficult to lay out with any assurance a minimalist drill hole (<500 m) to intersect this contact with utmost effect. This is the perceived contact of greatest mineral interest for copper, nickel, platinum, and it surely warrants exploration.

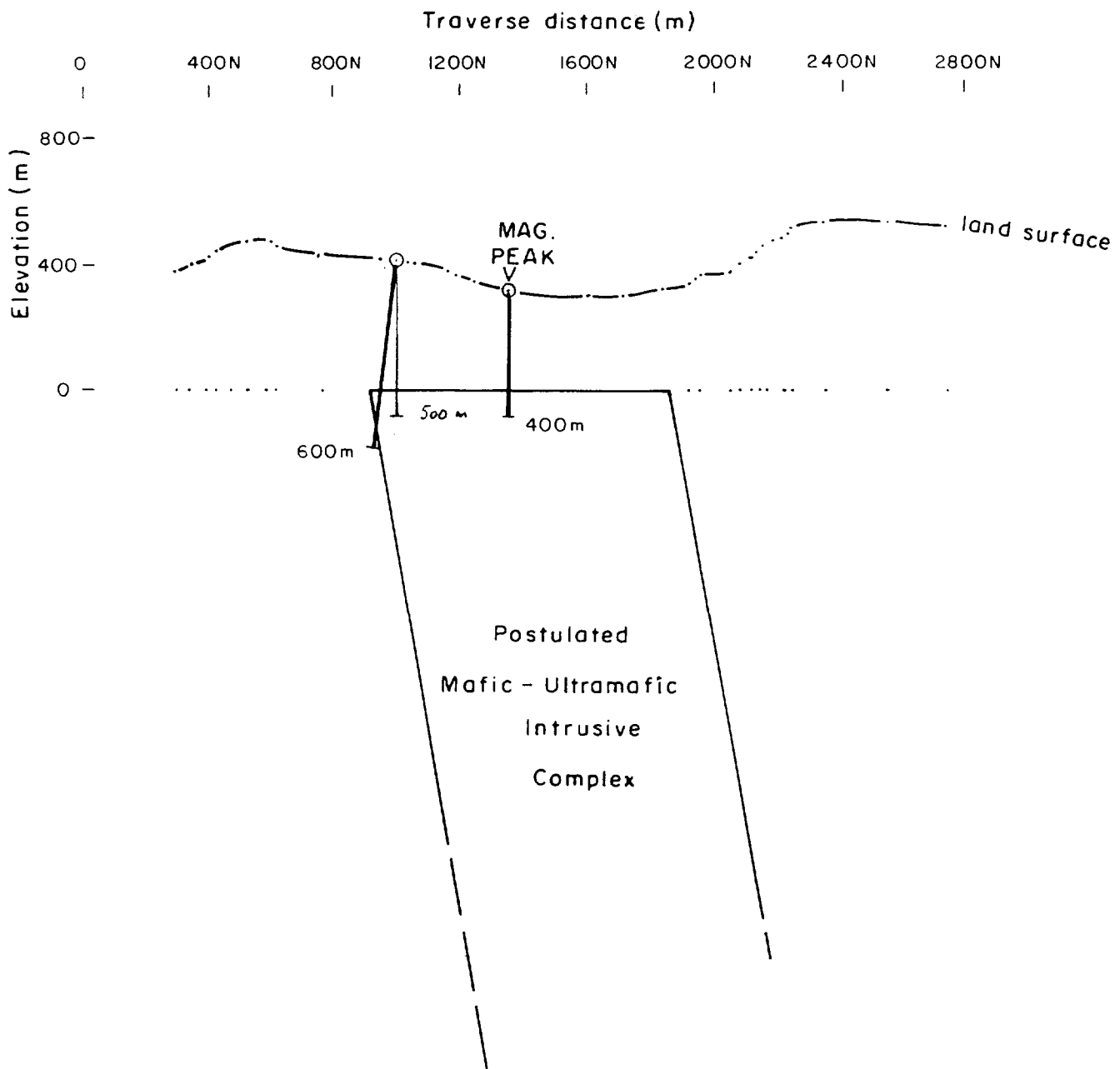
However to intersect that contact on present evidence would require at the very minimum a 600 m deep hole (see Dwg. No. EIC-2695) and still retain a fighting chance of reaching the target. Anything less could well miss the intrusive altogether. On the other hand, it is possible to test the nature and composition of the intrusion by a simple hole at the (total field) magnetic peak drilled vertically to 400m-450m. This is the most prudent positioning for a first test, and it could prove quite revealing even so.



A compromise hole could be located at 1000N but drilled vertically to 500 m as shown. It is a riskier hole inasmuch it is close enough to the basal contact as prescribed to miss the intrusive if there are irregularities in its edges. It is not expected to intersect the basal contact but has the virtue of approaching it. A follow-up down-hole em logging might then be undertaken with some reasonable chance of obtaining off-hole anomalies due to sulphides in the contact setting.

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J. G. BURNS		
MOND/RAYMOND ANOMALY		
DDH PROPOSITIONS		
	EXCALIBUR INTERNATIONAL	PREP. BY: J. B. Boniwell
	CONSULTANTS LIMITED	DRAWN BY: R. T. M.
	TORONTO, ONTARIO	DATE: July 1999
		SCALE: 1:20,000
DWG. No. E.I.C.- 2695		

Appendix II
1999 Drill Log

**JAMES G. BURNS
DRILL LOG**

HOLE NO.	: TM-99-01	TOWNSHIP	: MOND	CORE SIZE	: NQ
COORDINATES	: 000E, 1400N	PROPERTY	: FERRIS LAKE	DRILLED BY	: NOREX DRILLING LIMITED
COLLAR ANGLE	: -85 ^o	DIVISION	: LARDER LAKE	DATE STARTED	: JULY 28, 1999
ELEVATION	:	CLAIM NO	: 1227660	DATE COMPLETED	: AUGUST 5, 1999
AZIMUTH	: 215 ^o			LOGGED BY	: JAMES G. BURNS
LENGTH	: 395 m			PAGES	: 7

DEPTH	AZIMUTH	ACID TEST DIP ANGLE
100 m		- 87 ^o
200 m		- 86 ^o
300 m		- 85 ^o

REMARKS : 1) CASING PULLED

From	To	Description	Sample No	From	To	Length	Au ppb	Pb ppm	Ni ppm
0	33.00	Overburden							
33.00	119.15	Metawacke and meta-mudstone							
		Mid to dark greenish grey, fine to very fine grained, faintly bedded (generally < 1mm), very local & very weak pervasive carbonatization, occasional pebble to cobble of pink granite; poor to moderately (locally only) fractured; chlorite, carbonate, hematite & minor pyrite or fractures; minor (<5%), thin (1mm) pink arkose beds mineralized with up to 5% fine disseminated pyrite; beds weakly pervasively carbonatized; beds increasing in quantity & thickness down hole to about 70m & then diminishing; at about 110m beds become a light pink colour almost white; beds display soft sediment deformation textures (ie. pulled apart, slumping).							
		Oolitic textured beds at 35.1 - 35.4 @ 60°, 40.4 - 40.6 @ 75° & 42.6 - 42.65 @ 80°; beds composed of 60% 1-2mm, rounded, clast & matrix supported carbonate "granules" in a limy matrix; minor pyrite associated with some granules; minor hematite alteration.							
		@ 97.5m 2.5cm bed of grit with detrital pyrite; grains to 1mm of quartz + pyrite, carbonate, granite & possibly syenite.							
		@ 97.4m bedding @ 80°							
		@ 65m bedding @ 80°							
		@ 111.4m bedding @ 80°							
		118.3 to 119.5 rock dark greenish black & very fine grained							
		- 7cm total of arkose beds	78501	65.0	66.5	1.5	<5	<2	58
		- 6 cm total of arkose beds	78502	66.5	68.0	1.5	<5	<2	60
		contact @ 119.15 @ 70° at sharp colour change							
119.15	158.60	Quartzite							
		Dark purplish pink, faintly to finely bedded (beds < 1mm), fine to very fine grained, weakly magnetic, occasional small pebble of pink granite, semi conchoidal fracture; minor thin (< 2cm) weakly pervasively carbonatized grit beds increasing in quantity down hole; weakly fractured with chlorite, carbonate and minor pyrite in the fractures.							
		@ 123.5 bedding @ 70°							

From	To	Description	Sample No	From	To	Length	Au ppb	Pb ppm	Ni ppm
		@ 142.0 bedding @ 85°							
		@ 147.4 5 mm granite granules with interstitial pyrite							
		minor pyrite on fractures	78503	125.0	126.5	1.5	<5	2	62
		minor pyrite on fractures	78504	126.5	128.0	1.5	<5	10	67
		minor grit beds to 1cm with detrital pyrite	78505	149.0	150.0	1.0	<5	6	63
		minor grit beds to 1cm with detrital pyrite	78506	150.0	151.0	1.0	<5	6	61
		minor grit beds to 1cm with detrital pyrite	78507	151.0	152.0	1.0	<5	6	63
		contact a colour gradation							
158.60	173.05	Metawacke							
		Mid to dark greenish grey, fine to coarse grained with coarser beds increasing in size and in grain size down hole; numerous pink granite pebbles, cobbles & a boulder from 172.3 to 173.05; granite clasts, dominate & increase in size & quantity down hole; other clasts of basalt, quartz - some angular; very little detrital pyrite. Tops up hole.							
		60% grit beds	78508	170.0	171.2	1.2	<5	4	54
		contact at base of boulder							
173.05	176.30	Metawacke and meta-mudstone							
		Light to mid grey, very poorly bedded to massive, fine to coarse grained; 30% pebbles & cobbles of gabbro, rhyolite tuff & basalt with occasional granite clast; minor detrital pyrite; minor carbonate, albite, pyrite veinlets.							
		minor pyrite	78509	175.0	176.3	1.3	<5	6	72
		contact sharp @ 85°							
176.30	209.80	Quartzite							
		Light to mid grey, fine to very fine grained, moderately well bedded with beds normally 1-2cm but up to 40cm, locally cross bedded; non to weakly pervasively carbonatized; minor albite, carbonate pyrite veinlets.							

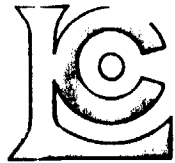
From	To	Description	Sample No	From	To	Length	Au ppb	Pb ppm	Ni ppm
		<p>Pink, very fine grained (cherty) and gritty arkose beds increasing in quantity to 191.55 & then decreasing to fade away at bottom of unit; some beds ripped apart or otherwise deformed.</p> <p>191.15 - 191.55 pink arkose bed with ~ 1% fine pyrite @ 191.55 bedding @ 80°</p> <p>203.1-203.9 grit bed, < ½ % pyrite, 5% ripped apart angular cherty arkosic clasts to 5cm.</p> <p>@ 205.1 bedding @ 80°</p> <p>2% albite-carbonate veinlets @ 20°, minor pyrite</p> <p>occasional albite-carbonate fractures with pyrite</p> <p>occasional albite-carbonate fractures with pyrite</p> <p>occasional albite-carbonate fractures with pyrite</p> <p>contact @ 209.8 gradational at last of pinkish beds</p>							
209.80	336.25	<p>Quartzite</p> <p>Light to mid grey, very fine to medium (locally coarse) grained, well bedded with beds to 80 cm; > 75% quartz with ± 15% mafics, < 1% pyrite (more pyrite in coarser beds)</p> <p>Sections of more intense quartz-carbonate veins mineralized with pyrite, chalcopyrite & galena; probably some silicification with veins; 2 ages of veins, both of which seem to be mineralized although older with more carbonate.</p> <p>medium grained, beds with ½ % detrital pyrite and 2% quartz-carbonate veinlets at 10-15° with pyrite & chalcopyrite.</p> <p>227.0- 239.0 moderately veined; quartz-carbonate veins mineralized with minor pyrite & galena.</p>	78510	194.0	195.5	1.5	<5	20	52
			78511	203.4	203.9	0.5	<5	8	31
			78512	206.0	207.5	1.5	<5	6	51
			78513	207.5	209.0	1.5	<5	6	53
			78514	219.8	220.7	0.9	<5	8	20
			78515	227.0	228.5	1.5	<5	40	38
			78516	228.5	230.0	1.5	<5	30	39
			78517	230.0	231.5	1.5	<5	44	53
			78518	231.5	233.0	1.5	<5	20	44

From	To	Description	Sample No	From	To	Length	Au ppb	Pb ppm	Ni ppm
			78519	233.0	234.5	1.5	<5	14	30
			78520	234.5	236.0	1.5	<5	30	30
			78521	236.0	237.5	1.5	<5	8	40
			78522	237.5	239.0	1.5	<5	24	43
		@ 244.4 bedding at 85°							
		½ % detrital pyrite; weakly fractured	78523	246.5	248.0	1.5	<5	24	24
		½ % detrital pyrite; weakly fractured	78524	248.0	249.5	1.5	<5	48	37
		2% detrital pyrite; weakly fractured	78525	249.5	251.0	1.5	<5	42	29
		3% detrital pyrite; weakly fractured (bands to 1cm with up to 30% pyrite)	78526	251.0	252.5	1.5	<5	48	28
		256.7-270.3 moderately to strongly fractured & veined, with pyrite, galena & chalcopyrite in veins.							
			78527	260.0	261.5	1.5	<5	76	25
			78528	261.5	263.0	1.5	<5	48	28
			78529	263.0	264.5	1.5	<5	28	31
			78530	264.5	266.0	1.5	<5	66	42
		281.15-281.25 mudstone, black, very fine grained, finely bedded							
		@ 281.25 bedding @ 85°							
		~ 280.0-291.3 weak to moderately fractured							
		292.2-292.65 moderately fractured							
		294.0-294.9 moderately to strongly fractured							
		vuggy veins @ 25-35°, ½ % fine pyrite	78531	294.0	294.9	0.9	<5	102	28
		298.5-298.75 breccia @ 15°							
		298.75-300.5 moderately fractured & veined							
			78532	298.5	299.5	1.0	<5	102	33

From	To	Description	Sample No	From	To	Length	Au ppb	Pb ppm	Ni ppm
			78533	299.5	300.5	1.0	<5	14	30
		weakly fractured/veined & mineralized	78534	307.0	308.0	1.0	<5	38	53
		@ 309.0 2cm breccia @ 5°							
		@ 309.8 2cm breccia @ 20°							
		weak to moderately veined; @ 314.3 3cm breccia @ 10°	78535	314.0	315.0	1.0	<5	90	29
		weakly fractured & veined	78536	317.0	318.5	1.5	<5	114	31
		328.0-336.25 weakly to moderately to locally strongly veined							
			78537	328.0	329.0	1.0	<5	540	39
			78538	329.0	330.5	1.5	<5	150	31
			78539	330.5	332.0	1.5	<5	1460	35
			78540	332.0	333.5	1.5	<5	358	28
		½% galena on fractures 334.3-335.0	78541	333.5	335.0	1.5	<5	5440	34
			78542	335.0	336.25	1.25	<5	216	31
		@ 334.95 minor gouge on fractures							
		contact sharp @ 336.25 at 55°							
336.25	342.80	Meta-conglomerate							
		Light to mid green quartzite matrix containing 40% angular to subrounded pebbles & cobbles of mainly dunite but also intermediate volcanic & gabbro; clasts matrix supported; matrix sulphide poor, unit non radioactive.							
		Weak to moderately fractured; quartz-carbonate and also serpentine veinlets neither with much sulphide							
		@ 340.7 serpentine fracture gouge @ 40°							
		rep. sample	78543	338.0	339.0	1.0	<5	108	817
		contact at 342.8 in broken core: no obvious regolith							

From	To	Description	Sample No	From	To	Length	Au ppb	Pb ppm	Ni ppm
342.80	395.00	Dunite Dark green to greenish black (wet), mid olive green (dry); 95% 1mm serpentinized olivine grains; very magnetic, massive. 342.8-343.1 rounded to subangular dunite "pseudo" clasts may represent "onion skin" weathering. Sections of broken core displaying serpentine-carbonate veinlets & fractures at all angles some with minor pyrite smeared above fractures; magnetic borders to some larger veins.							
			78544	344.0	345.5	1.5	<5	14	1995
			78545	345.5	347.0	1.5	<5	8	2010
		representative sample: trace of pyrite in fractures	78546	350.0	351.0	1.0	10	2	2070
		representative sample: trace of pyrite in fractures	78547	351.0	352.0	1.0	<5	4	1990
		representative sample: trace of pyrite in fractures	78548	352.0	353.0	1.0	<5	10	1950
		357.2-357.6 strongly fractured							
		362.0-373.0 generally strongly fractured with short sections only weakly fractured; fracture gouge locally at all angles.							
			78549	362.0	363.5	1.5	<5	4	2510
			78550	363.5	365.0	1.5	<5	2	1925
		369.0-369.1 strongly serpentinized & gouged @ 40° @ 380.0 10 cm fracture gouge & serpentine @ 0-35° @ 385.85 4 cm serpentine vein @ 55° with weakly developed shear fibre							
		390.0-395.0 strongly fractured							
		representative sample	650101	386.0	387.5	1.5	<5	2	1905
		representative sample	650102	387.5	389.0	1.5	<5	2	1925
	395.00	EOH							

Appendix III
Assay Certificate



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

BURNS, J.

190 GRAYE
 TIMMINS, ON
 P4N 8K8

A9926059

Comments:

CERTIFICATE

A9926059

(QNC) - BURNS, J.

Project
 P.O. #

Samples submitted to our lab in Timmins, ON.
 This report was printed on 08-SEP-1999.

SAMPLE PREPARATION

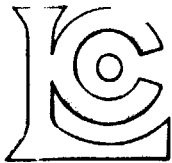
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	52	Geochem ring to approx 150 mesh
226	52	0-3 Kg crush and split
3202	52	Rock - save entire reject
229	52	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	52	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	52	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	52	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	52	As ppm: 32 element, soil & rock	ICP-AES	2	10000
557	52	B ppm: 32 element, rock & soil	ICP-AES	10	10000
2121	52	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	52	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	52	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	52	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	52	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	52	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	52	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	52	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	52	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	52	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	52	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	52	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	52	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	52	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	52	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	52	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	52	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	52	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	52	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	52	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
551	52	S %: 32 element, rock & soil	ICP-AES	0.01	5.00
2141	52	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	52	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	52	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	52	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	52	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	52	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	52	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	52	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	52	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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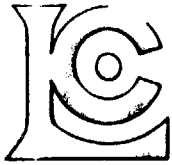
Project :
 Comments:

Page No. : 1-A
 Total Pages : 2
 Certificate Date: 26-AUG-1999
 Invoice No. : I9926059
 P.O. Number :
 Account : QNC

CERTIFICATE OF ANALYSIS A9926059

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
	FA+AA																				
78501	205	226	< 5	0.2	2.61	4	10	50	< 0.5	< 2	0.62	< 0.5	21	104	53	4.54	< 10	< 1	0.16	30	1.73
78502	205	226	< 5	0.2	2.77	6	< 10	60	< 0.5	< 2	0.54	< 0.5	21	110	71	4.73	< 10	< 1	0.18	30	1.81
78503	205	226	< 5	< 0.2	2.39	6	10	70	< 0.5	< 2	0.31	< 0.5	26	82	47	5.77	< 10	< 1	0.32	30	1.08
78504	205	226	< 5	0.2	2.64	6	10	110	< 0.5	< 2	0.34	< 0.5	26	93	56	6.16	< 10	< 1	0.41	40	1.12
78505	205	226	< 5	< 0.2	2.40	4	< 10	110	< 0.5	< 2	0.36	< 0.5	27	86	54	5.35	< 10	< 1	0.38	40	1.08
78506	205	226	< 5	0.2	2.33	6	10	110	< 0.5	< 2	0.36	< 0.5	26	83	31	5.23	< 10	< 1	0.36	40	1.06
78507	205	226	< 5	0.2	2.44	< 2	< 10	120	< 0.5	< 2	0.41	< 0.5	27	85	46	5.36	< 10	< 1	0.37	40	1.10
78508	205	226	< 5	< 0.2	2.39	10	< 10	1070	< 0.5	< 2	0.75	< 0.5	21	110	22	4.66	< 10	< 1	0.20	10	1.33
78509	205	226	< 5	0.2	2.62	8	10	120	< 0.5	< 2	0.43	< 0.5	21	130	30	4.10	< 10	< 1	0.13	30	2.02
78510	205	226	< 5	0.4	2.40	12	10	940	0.5	< 2	0.58	< 0.5	18	125	66	3.69	< 10	< 1	0.11	40	1.88
78511	205	226	< 5	0.2	1.44	6	< 10	230	< 0.5	< 2	0.41	< 0.5	11	124	59	2.36	< 10	< 1	0.09	30	1.12
78512	205	226	< 5	0.2	2.42	< 2	< 10	180	0.5	< 2	0.50	< 0.5	17	122	36	3.62	< 10	< 1	0.12	30	1.88
78513	205	226	< 5	0.2	2.51	< 2	< 10	170	0.5	< 2	0.51	< 0.5	17	131	21	3.79	< 10	< 1	0.12	30	1.96
78514	205	226	< 5	0.2	0.77	6	< 10	30	< 0.5	< 2	0.57	< 0.5	8	137	9	1.44	< 10	< 1	0.06	10	0.54
78515	205	226	< 5	0.2	1.73	20	< 10	60	0.5	< 2	0.72	< 0.5	14	137	16	2.76	< 10	< 1	0.08	30	1.42
78516	205	226	< 5	0.2	1.68	16	< 10	50	< 0.5	< 2	0.33	< 0.5	14	142	73	2.75	< 10	< 1	0.08	10	1.35
78517	205	226	< 5	0.2	2.78	24	< 10	70	0.5	< 2	0.63	< 0.5	18	145	62	4.27	< 10	< 1	0.08	10	2.31
78518	205	226	< 5	0.2	2.31	12	< 10	60	0.5	< 2	0.79	< 0.5	16	138	193	3.56	< 10	< 1	0.08	10	1.91
78519	205	226	< 5	0.2	1.34	10	< 10	30	0.5	< 2	2.22	< 0.5	10	143	58	2.09	< 10	< 1	0.05	20	1.10
78520	205	226	< 5	0.2	1.32	12	< 10	30	< 0.5	< 2	0.64	< 0.5	11	142	28	2.14	< 10	< 1	0.06	10	1.06
78521	205	226	< 5	0.2	1.87	10	< 10	50	< 0.5	< 2	0.27	< 0.5	14	129	49	2.95	< 10	< 1	0.09	10	1.52
78522	205	226	< 5	0.2	2.09	18	< 10	50	0.5	< 2	0.31	< 0.5	15	133	10	3.31	< 10	< 1	0.10	10	1.71
78523	205	226	< 5	< 0.2	0.90	14	< 10	20	< 0.5	< 2	0.51	< 0.5	11	127	10	1.69	< 10	< 1	0.06	10	0.69
78524	205	226	< 5	0.2	1.66	54	< 10	30	< 0.5	< 2	0.37	< 0.5	14	131	56	2.75	< 10	< 1	0.06	10	1.38
78525	205	226	< 5	0.2	1.28	38	< 10	20	< 0.5	< 2	0.36	< 0.5	11	144	21	2.22	< 10	< 1	0.06	10	1.04
78526	205	226	< 5	0.2	1.08	36	< 10	20	< 0.5	< 2	0.45	< 0.5	13	141	8	2.06	< 10	< 1	0.06	10	0.87
78527	205	226	< 5	0.2	1.14	14	< 10	20	< 0.5	< 2	0.37	< 0.5	11	142	58	2.00	< 10	< 1	0.06	10	1.00
78528	205	226	< 5	< 0.2	1.45	10	< 10	20	< 0.5	< 2	0.27	< 0.5	11	140	17	2.29	< 10	< 1	0.07	10	1.23
78529	205	226	< 5	0.2	1.51	16	< 10	20	< 0.5	< 2	0.24	< 0.5	12	140	15	2.39	< 10	< 1	0.06	20	1.32
78530	205	226	< 5	0.2	2.28	22	< 10	30	0.5	< 2	0.45	< 0.5	16	139	47	3.55	< 10	< 1	0.05	20	1.99
78531	205	226	< 5	0.2	1.28	10	< 10	10	< 0.5	< 2	0.19	< 0.5	14	141	107	2.26	< 10	< 1	0.05	10	1.09
78532	205	226	< 5	0.2	1.55	16	< 10	10	< 0.5	< 2	0.24	< 0.5	18	157	222	2.64	< 10	< 1	0.05	10	1.35
78533	205	226	< 5	< 0.2	1.44	10	< 10	10	< 0.5	< 2	0.31	< 0.5	16	151	60	2.39	< 10	< 1	0.05	10	1.23
78534	205	226	< 5	0.2	2.47	16	< 10	10	< 0.5	< 2	0.32	< 0.5	22	171	89	4.03	< 10	< 1	0.05	30	2.13
78535	205	226	< 5	0.2	1.38	16	< 10	10	< 0.5	< 2	0.21	< 0.5	12	143	74	2.29	< 10	< 1	0.05	10	1.20
78536	205	226	< 5	0.2	1.61	12	< 10	10	< 0.5	< 2	0.25	0.5	12	146	50	2.58	< 10	< 1	0.07	10	1.39
78537	205	226	< 5	0.4	1.42	52	< 10	30	0.5	< 2	0.29	3.5	17	159	20	2.43	< 10	< 1	0.07	20	1.13
78538	205	226	< 5	0.2	1.27	36	< 10	30	0.5	< 2	0.43	0.5	13	142	6	2.22	< 10	< 1	0.06	20	1.04
78539	205	226	< 5	0.4	1.48	38	< 10	20	0.5	< 2	0.28	3.5	14	137	11	2.59	< 10	< 1	0.05	10	1.25
78540	205	226	< 5	0.2	0.94	38	< 10	40	0.5	< 2	0.24	3.0	12	141	11	1.67	< 10	< 1	0.06	10	0.80

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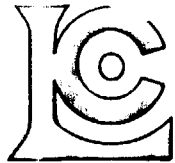
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 Account : QNC

CERTIFICATE OF ANALYSIS A9926059

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
78501	205 226	560	3	0.05	58	580	< 2	0.06	< 2	6	17	0.18	< 10	< 10	49	< 10	80
78502	205 226	580	2	0.05	60	610	< 2	0.06	< 2	6	18	0.19	< 10	< 10	50	< 10	82
78503	205 226	605	2	0.02	62	710	2	0.04	< 2	3	19	0.09	< 10	< 10	28	< 10	56
78504	205 226	625	1	0.03	67	760	10	0.04	< 2	4	21	0.11	< 10	< 10	33	< 10	60
78505	205 226	600	1	0.03	63	720	6	0.02	< 2	3	21	0.12	< 10	< 10	30	< 10	54
78506	205 226	580	1	0.03	61	690	6	0.02	< 2	3	21	0.12	< 10	< 10	30	< 10	52
78507	205 226	605	1	0.03	63	710	6	0.03	< 2	4	23	0.14	< 10	< 10	32	< 10	54
78508	205 226	610	1	0.04	54	650	4	0.08	< 2	4	44	0.11	< 10	< 10	35	< 10	56
78509	205 226	620	2	0.05	72	530	6	0.08	< 2	6	25	0.18	< 10	< 10	48	< 10	76
78510	205 226	570	3	0.06	52	630	20	0.12	< 2	8	65	0.22	< 10	< 10	57	< 10	82
78511	205 226	350	1	0.06	31	420	8	0.09	< 2	5	22	0.12	< 10	< 10	43	< 10	46
78512	205 226	550	2	0.06	51	580	6	0.06	< 2	8	61	0.22	< 10	< 10	59	< 10	78
78513	205 226	580	2	0.07	53	620	6	0.05	< 2	9	65	0.23	< 10	< 10	64	< 10	80
78514	205 226	205	1	0.08	20	350	8	0.21	< 2	4	11	0.09	< 10	< 10	34	< 10	34
78515	205 226	425	3	0.05	38	550	40	0.09	< 2	7	15	0.13	< 10	< 10	55	< 10	40
78516	205 226	390	2	0.05	39	580	30	0.12	< 2	6	11	0.10	< 10	< 10	56	< 10	38
78517	205 226	615	4	0.05	53	640	44	0.08	< 2	7	18	0.15	< 10	< 10	73	< 10	50
78518	205 226	515	3	0.05	44	530	20	0.11	< 2	6	15	0.15	< 10	< 10	60	< 10	42
78519	205 226	375	7	0.06	30	540	14	0.08	< 2	6	16	0.11	< 10	< 10	50	< 10	28
78520	205 226	315	3	0.07	30	460	30	0.11	< 2	5	11	0.09	< 10	< 10	46	< 10	30
78521	205 226	420	3	0.06	40	530	8	0.11	< 2	5	11	0.10	< 10	< 10	56	< 10	30
78522	205 226	470	2	0.06	43	560	24	0.11	< 2	5	12	0.11	< 10	< 10	56	< 10	34
78523	205 226	245	1	0.07	24	410	24	0.30	< 2	4	9	0.06	< 10	< 10	40	< 10	52
78524	205 226	430	1	0.06	37	470	48	0.16	< 2	6	9	0.11	< 10	< 10	55	< 10	90
78525	205 226	330	1	0.07	29	440	42	0.25	< 2	5	9	0.09	< 10	< 10	47	< 10	78
78526	205 226	295	1	0.07	28	470	48	0.34	< 2	5	10	0.10	< 10	< 10	47	< 10	42
78527	205 226	265	1	0.08	25	460	76	0.35	< 2	4	9	0.06	< 10	< 10	47	< 10	24
78528	205 226	355	1	0.08	28	500	48	0.15	< 2	5	9	0.08	< 10	< 10	52	< 10	36
78529	205 226	370	1	0.08	31	510	28	0.12	< 2	5	9	0.09	< 10	< 10	54	< 10	84
78530	205 226	540	2	0.06	42	510	66	0.13	< 2	7	10	0.11	< 10	< 10	65	< 10	80
78531	205 226	315	1	0.07	28	430	102	0.19	< 2	5	7	0.08	< 10	< 10	50	< 10	48
78532	205 226	390	2	0.07	33	500	102	0.18	< 2	6	9	0.10	< 10	< 10	59	< 10	52
78533	205 226	355	2	0.07	30	440	14	0.16	< 2	6	10	0.09	< 10	< 10	56	< 10	52
78534	205 226	605	2	0.06	53	570	38	0.13	< 2	9	12	0.16	< 10	< 10	86	< 10	54
78535	205 226	375	1	0.07	29	440	90	0.12	< 2	6	8	0.09	< 10	< 10	55	< 10	28
78536	205 226	470	< 1	0.10	31	520	114	0.07	< 2	6	10	0.10	< 10	< 10	63	< 10	238
78537	205 226	525	1	0.10	39	530	540	0.13	< 2	7	10	0.11	< 10	< 10	66	< 10	852
78538	205 226	535	2	0.08	31	490	150	0.04	< 2	6	10	0.11	< 10	< 10	58	< 10	200
78539	205 226	560	1	0.07	35	480	1460	0.09	< 2	7	9	0.13	< 10	< 10	64	< 10	920
78540	205 226	445	1	0.08	28	440	358	0.09	< 2	5	9	0.10	< 10	< 10	54	< 10	898

CERTIFICATION:



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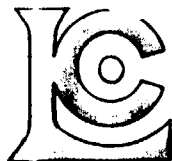
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 P.O. Number :
 Account : QNC

CERTIFICATE OF ANALYSIS A9926059

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
78541	205 226	< 5	0.6	1.64	34	< 10	60	0.5	< 2	0.50	< 0.5	14	159	6	2.80	< 10	< 1	0.08	20	1.41
78542	205 226	< 5	0.2	1.63	20	< 10	70	0.5	< 2	1.45	2.5	13	130	29	2.50	< 10	< 1	0.08	20	1.60
78543	205 226	< 5	< 0.2	3.43	78	< 10	< 10	< 0.5	< 2	0.80	0.5	57	889	36	3.59	< 10	< 1	< 0.01	< 10	5.14
78544	205 226	< 5	0.2	0.98	< 2	80	< 10	< 0.5	< 2	0.31	< 0.5	94	1455	34	5.86	< 10	< 1	< 0.01	< 10	>15.00
78545	205 226	< 5	0.2	0.96	< 2	80	< 10	< 0.5	< 2	0.41	< 0.5	100	1435	13	5.74	< 10	< 1	< 0.01	< 10	>15.00
78546	205 226	10	< 0.2	1.05	< 2	90	< 10	< 0.5	< 2	0.26	< 0.5	92	1730	< 1	6.03	< 10	< 1	< 0.01	< 10	>15.00
78547	205 226	< 5	0.2	1.01	< 2	90	< 10	< 0.5	< 2	0.59	< 0.5	88	1620	< 1	5.76	< 10	< 1	< 0.01	< 10	>15.00
78548	205 226	< 5	0.2	0.98	< 2	90	< 10	< 0.5	< 2	0.94	< 0.5	98	1535	< 1	5.49	< 10	< 1	< 0.01	< 10	>15.00
78549	205 226	< 5	0.4	1.01	< 2	100	< 10	< 0.5	< 2	0.44	< 0.5	99	1520	< 1	5.81	< 10	< 1	< 0.01	< 10	>15.00
78550	205 226	< 5	< 0.2	1.00	< 2	100	< 10	< 0.5	< 2	0.35	< 0.5	97	1460	< 1	6.19	< 10	< 1	< 0.01	< 10	>15.00
650101	205 226	< 5	< 0.2	1.10	< 2	110	< 10	< 0.5	< 2	0.35	< 0.5	94	1350	< 1	5.65	< 10	< 1	< 0.01	< 10	>15.00
650102	205 226	< 5	0.2	1.11	< 2	110	< 10	< 0.5	< 2	0.24	< 0.5	94	1200	< 1	5.59	< 10	< 1	< 0.01	< 10	>15.00

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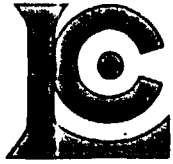
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CERTIFICATE OF ANALYSIS A9926059

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
78541	205 226	730	3	0.10	34	500	5440	0.13	< 2	8	13	0.13	< 10	< 10	67	< 10	114
78542	205 226	730	2	0.10	31	490	216	0.05	< 2	5	24	0.16	< 10	< 10	56	< 10	638
78543	205 226	805	2	0.02	817	250	108	0.03	< 2	4	23	0.14	< 10	< 10	57	< 10	326
78544	205 226	1200	2	< 0.01	1995	90	14	0.07	4	4	15	0.02	< 10	< 10	32	< 10	92
78545	205 226	1150	3	< 0.01	2010	130	8	0.07	2	4	14	0.02	< 10	< 10	32	< 10	58
78546	205 226	1155	3	< 0.01	2070	80	2	0.06	2	5	9	0.03	< 10	< 10	35	< 10	56
78547	205 226	1100	3	< 0.01	1990	80	4	0.06	2	4	12	0.03	< 10	< 10	33	< 10	58
78548	205 226	1120	4	< 0.01	1950	110	10	0.06	2	4	14	0.03	< 10	< 10	34	< 10	126
78549	205 226	1025	3	< 0.01	2510	200	4	0.07	4	5	6	0.02	< 10	< 10	35	< 10	54
78550	205 226	1060	1	< 0.01	1925	80	2	0.05	2	4	6	0.03	< 10	< 10	32	< 10	52
650101	205 226	925	3	< 0.01	1905	70	2	0.04	2	5	4	0.03	< 10	< 10	33	< 10	58
650102	205 226	925	2	< 0.01	1925	70	2	0.04	4	5	4	0.03	< 10	< 10	35	< 10	58

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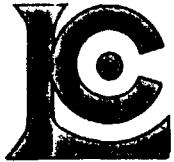
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CERTIFICATE OF ANALYSIS

A9926059

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
78501	205 226	< 5	0.2	2.61	4	10	50	< 0.5	< 2	0.62	< 0.5	21	104	53	4.54	< 10	< 1	0.16	30	1.73
78502	205 226	< 5	0.2	2.77	6	< 10	60	< 0.5	< 2	0.54	< 0.5	21	110	71	4.73	< 10	< 1	0.18	30	1.81
78503	205 226	< 5	< 0.2	2.39	6	10	70	< 0.5	< 2	0.31	< 0.5	26	82	47	5.77	< 10	< 1	0.32	30	1.08
78504	205 226	< 5	0.2	2.64	6	10	110	< 0.5	< 2	0.34	< 0.5	26	93	56	6.16	< 10	< 1	0.41	40	1.12
78505	205 226	< 5	< 0.2	2.40	4	< 10	110	< 0.5	< 2	0.36	< 0.5	27	86	54	5.35	< 10	< 1	0.38	40	1.08
78506	205 226	< 5	0.2	2.33	6	10	110	< 0.5	< 2	0.36	< 0.5	26	83	31	5.23	< 10	< 1	0.36	40	1.06
78507	205 226	< 5	0.2	2.44	< 2	< 10	120	< 0.5	< 2	0.41	< 0.5	27	85	46	5.36	< 10	< 1	0.37	40	1.10
78508	205 226	< 5	< 0.2	2.39	10	< 10	1070	< 0.5	< 2	0.75	< 0.5	21	110	22	4.66	< 10	< 1	0.20	10	1.33
78509	205 226	< 5	0.2	2.62	8	10	120	< 0.5	< 2	0.43	< 0.5	21	130	30	4.10	< 10	< 1	0.13	30	2.02
78510	205 226	< 5	0.4	2.40	12	10	940	0.5	< 2	0.58	< 0.5	18	125	66	3.69	< 10	< 1	0.11	40	1.88
78511	205 226	< 5	0.2	1.44	6	< 10	230	< 0.5	< 2	0.41	< 0.5	11	124	59	2.36	< 10	< 1	0.09	30	1.12
78512	205 226	< 5	0.2	2.42	< 2	< 10	180	0.5	< 2	0.50	< 0.5	17	122	36	3.62	< 10	< 1	0.12	30	1.88
78513	205 226	< 5	0.2	2.51	< 2	< 10	170	0.5	< 2	0.51	< 0.5	17	131	21	3.79	< 10	< 1	0.12	30	1.96
78514	205 226	< 5	0.2	0.77	6	< 10	30	< 0.5	< 2	0.57	< 0.5	8	137	9	1.44	< 10	< 1	0.06	10	0.54
78515	205 226	< 5	0.2	1.73	20	< 10	60	0.5	< 2	0.72	< 0.5	14	137	16	2.76	< 10	< 1	0.08	30	1.42
78516	205 226	< 5	0.2	1.68	16	< 10	50	< 0.5	< 2	0.33	< 0.5	14	142	73	2.75	< 10	< 1	0.08	10	1.35
78517	205 226	< 5	0.2	2.78	24	< 10	70	0.5	< 2	0.63	< 0.5	18	145	62	4.27	< 10	< 1	0.08	10	2.31
78518	205 226	< 5	0.2	2.31	12	< 10	60	0.5	< 2	0.79	< 0.5	16	138	193	3.56	< 10	< 1	0.08	10	1.91
78519	205 226	< 5	0.2	1.34	10	< 10	30	0.5	< 2	2.22	< 0.5	10	143	58	2.09	< 10	< 1	0.05	20	1.10
78520	205 226	< 5	0.2	1.32	12	< 10	30	< 0.5	< 2	0.64	< 0.5	11	142	28	2.14	< 10	< 1	0.06	10	1.06
78521	205 226	< 5	0.2	1.87	10	< 10	50	< 0.5	< 2	0.27	< 0.5	14	129	49	2.95	< 10	< 1	0.09	10	1.52
78522	205 226	< 5	0.2	2.09	18	< 10	50	0.5	< 2	0.31	< 0.5	15	133	10	3.31	< 10	< 1	0.10	10	1.71
78523	205 226	< 5	< 0.2	0.90	14	< 10	20	< 0.5	< 2	0.51	< 0.5	11	127	10	1.69	< 10	< 1	0.06	10	0.69
78524	205 226	< 5	0.2	1.66	54	< 10	30	< 0.5	< 2	0.37	< 0.5	14	131	56	2.75	< 10	< 1	0.06	10	1.38
78525	205 226	< 5	0.2	1.28	38	< 10	20	< 0.5	< 2	0.36	< 0.5	11	144	21	2.22	< 10	< 1	0.06	10	1.04
78526	205 226	< 5	0.2	1.08	36	< 10	20	< 0.5	< 2	0.45	< 0.5	13	141	8	2.06	< 10	< 1	0.06	10	0.87
78527	205 226	< 5	0.2	1.14	14	< 10	20	< 0.5	< 2	0.37	< 0.5	11	142	58	2.00	< 10	< 1	0.06	10	1.00
78528	205 226	< 5	< 0.2	1.45	10	< 10	20	< 0.5	< 2	0.27	< 0.5	11	140	17	2.29	< 10	< 1	0.07	10	1.23
78529	205 226	< 5	0.2	1.51	16	< 10	20	< 0.5	< 2	0.24	< 0.5	12	140	15	2.39	< 10	< 1	0.06	20	1.32
78530	205 226	< 5	0.2	2.28	22	< 10	30	0.5	< 2	0.45	< 0.5	16	139	47	3.55	< 10	< 1	0.05	20	1.99
78531	205 226	< 5	0.2	1.28	10	< 10	10	< 0.5	< 2	0.19	< 0.5	14	141	107	2.26	< 10	< 1	0.05	10	1.09
78532	205 226	< 5	0.2	1.55	16	< 10	10	< 0.5	< 2	0.24	< 0.5	18	157	222	2.64	< 10	< 1	0.05	10	1.35
78533	205 226	< 5	< 0.2	1.44	10	< 10	10	< 0.5	< 2	0.31	< 0.5	16	151	60	2.39	< 10	< 1	0.05	10	1.23
78534	205 226	< 5	0.2	2.47	16	< 10	10	< 0.5	< 2	0.32	< 0.5	22	171	89	4.03	< 10	< 1	0.05	30	2.13
78535	205 226	< 5	0.2	1.38	16	< 10	10	< 0.5	< 2	0.21	< 0.5	12	143	74	2.29	< 10	< 1	0.05	10	1.20
78536	205 226	< 5	0.2	1.61	12	< 10	10	< 0.5	< 2	0.25	0.5	12	146	50	2.58	< 10	< 1	0.07	10	1.39
78537	205 226	< 5	0.4	1.42	52	< 10	30	0.5	< 2	0.29	3.5	17	159	20	2.43	< 10	< 1	0.07	20	1.13
78538	205 226	< 5	0.2	1.27	36	< 10	30	0.5	< 2	0.43	0.5	13	142	6	2.22	< 10	< 1	0.06	20	1.04
78539	205 226	< 5	0.4	1.48	38	< 10	20	0.5	< 2	0.28	3.5	14	137	11	2.59	< 10	< 1	0.05	10	1.25
78540	205 226	< 5	0.2	0.94	38	< 10	40	0.5	< 2	0.24	3.0	12	141	11	1.67	< 10	< 1	0.06	10	0.80

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

BURNS, J.

190 GRAYE
TIMMINS, ON
P4N 8K8

Project:
Comments:

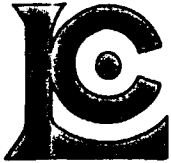
Page Num :1-B
Total Page: :2
Certificate Date: 26-AUG-1999
Invoice No. : I9926059
P.O. Number :
Account : QNC

CERTIFICATE OF ANALYSIS

A9926059

SAMPLE	PREP		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
78501	205	226	560	3	0.05	58	580	< 2	0.06	< 2	6	17	0.18	< 10	< 10	49	< 10	80
78502	205	226	580	2	0.05	60	610	< 2	0.06	< 2	6	18	0.19	< 10	< 10	50	< 10	82
78503	205	226	605	2	0.02	62	710	2	0.04	< 2	3	19	0.09	< 10	< 10	28	< 10	56
78504	205	226	625	1	0.03	67	760	10	0.04	< 2	4	21	0.11	< 10	< 10	33	< 10	60
78505	205	226	600	1	0.03	63	720	6	0.02	< 2	3	21	0.12	< 10	< 10	30	< 10	54
78506	205	226	580	1	0.03	61	690	6	0.02	< 2	3	21	0.12	< 10	< 10	30	< 10	52
78507	205	226	605	1	0.03	63	710	6	0.03	< 2	4	23	0.14	< 10	< 10	32	< 10	54
78508	205	226	610	1	0.04	54	650	4	0.08	< 2	4	44	0.11	< 10	< 10	35	< 10	56
78509	205	226	620	2	0.05	72	530	6	0.08	< 2	6	25	0.18	< 10	< 10	48	< 10	76
78510	205	226	570	3	0.06	52	630	20	0.12	< 2	8	65	0.22	< 10	< 10	57	< 10	82
78511	205	226	350	1	0.06	31	420	8	0.09	< 2	5	22	0.12	< 10	< 10	43	< 10	46
78512	205	226	550	2	0.06	51	580	6	0.06	< 2	8	61	0.22	< 10	< 10	59	< 10	78
78513	205	226	580	2	0.07	53	620	6	0.05	< 2	9	65	0.23	< 10	< 10	64	< 10	80
78514	205	226	205	1	0.08	20	350	8	0.21	< 2	4	11	0.09	< 10	< 10	34	< 10	34
78515	205	226	425	3	0.05	38	550	40	0.09	< 2	7	15	0.13	< 10	< 10	55	< 10	40
78516	205	226	390	2	0.05	39	580	30	0.12	< 2	6	11	0.10	< 10	< 10	56	< 10	38
78517	205	226	615	4	0.05	53	640	44	0.08	< 2	7	18	0.15	< 10	< 10	73	< 10	50
78518	205	226	515	3	0.05	44	530	20	0.11	< 2	6	15	0.15	< 10	< 10	60	< 10	42
78519	205	226	375	7	0.06	30	540	14	0.08	< 2	6	16	0.11	< 10	< 10	50	< 10	28
78520	205	226	315	3	0.07	30	460	30	0.11	< 2	5	11	0.09	< 10	< 10	46	< 10	30
78521	205	226	420	3	0.06	40	530	8	0.11	< 2	5	11	0.10	< 10	< 10	56	< 10	30
78522	205	226	470	2	0.06	43	560	24	0.11	< 2	5	12	0.11	< 10	< 10	56	< 10	34
78523	205	226	245	1	0.07	24	410	24	0.30	< 2	4	9	0.06	< 10	< 10	40	< 10	52
78524	205	226	430	1	0.06	37	470	48	0.16	< 2	6	9	0.11	< 10	< 10	55	< 10	90
78525	205	226	330	1	0.07	29	440	42	0.25	< 2	5	9	0.09	< 10	< 10	47	< 10	78
78526	205	226	295	1	0.07	28	470	48	0.34	< 2	5	10	0.10	< 10	< 10	47	< 10	42
78527	205	226	265	1	0.08	25	460	76	0.35	< 2	4	9	0.06	< 10	< 10	47	< 10	24
78528	205	226	355	1	0.08	28	500	48	0.15	< 2	5	9	0.08	< 10	< 10	52	< 10	36
78529	205	226	370	1	0.08	31	510	28	0.12	< 2	5	9	0.09	< 10	< 10	54	< 10	84
78530	205	226	540	2	0.06	42	510	66	0.13	< 2	7	10	0.11	< 10	< 10	65	< 10	80
78531	205	226	315	1	0.07	28	430	102	0.19	< 2	5	7	0.08	< 10	< 10	50	< 10	48
78532	205	226	390	2	0.07	33	500	102	0.18	< 2	6	9	0.10	< 10	< 10	59	< 10	52
78533	205	226	355	2	0.07	30	440	14	0.16	< 2	6	10	0.09	< 10	< 10	56	< 10	52
78534	205	226	605	2	0.06	53	570	38	0.13	< 2	9	12	0.16	< 10	< 10	86	< 10	54
78535	205	226	375	1	0.07	29	440	90	0.12	< 2	6	8	0.09	< 10	< 10	55	< 10	28
78536	205	226	470	< 1	0.10	31	520	114	0.07	< 2	6	10	0.10	< 10	< 10	63	< 10	238
78537	205	226	525	1	0.10	39	530	540	0.13	< 2	7	10	0.11	< 10	< 10	66	< 10	852
78538	205	226	535	2	0.08	31	490	150	0.04	< 2	6	10	0.11	< 10	< 10	58	< 10	200
78539	205	226	560	1	0.07	35	480	1460	0.09	< 2	7	9	0.13	< 10	< 10	64	< 10	920
78540	205	226	445	1	0.08	28	440	358	0.09	< 2	5	9	0.10	< 10	< 10	54	< 10	898

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
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 PHONE: 905-624-2806 FAX: 905-624-6163

BURNS, J.

190 GRAYE
 TIMMINS, ON
 P4N 8K8

Project :
 Comments:

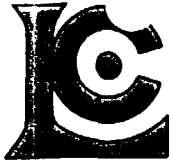
Page Nun :2-A
 Total Page.:2
 Certificate Date: 26-AUG-1999
 Invoice No. : I9926059
 P.O. Number :
 Account : QNC

CERTIFICATE OF ANALYSIS

A9926059

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
			FA+AA																		
78541	205	226	< 5	0.6	1.64	34	< 10	60	0.5	< 2	0.50	< 0.5	14	159	6	2.80	< 10	< 1	0.08	20	1.41
78542	205	226	< 5	0.2	1.63	20	< 10	70	0.5	< 2	1.45	2.5	13	130	29	2.50	< 10	< 1	0.08	20	1.60
78543	205	226	< 5	< 0.2	3.43	78	< 10	< 10	< 0.5	< 2	0.80	0.5	57	889	36	3.59	< 10	< 1	< 0.01	< 10	5.14
78544	205	226	< 5	0.2	0.98	< 2	80	< 10	< 0.5	< 2	0.31	< 0.5	94	1455	34	5.86	< 10	< 1	< 0.01	< 10	>15.00
78545	205	226	< 5	0.2	0.96	< 2	80	< 10	< 0.5	< 2	0.41	< 0.5	100	1435	13	5.74	< 10	< 1	< 0.01	< 10	>15.00
78546	205	226	10	< 0.2	1.05	< 2	90	< 10	< 0.5	< 2	0.26	< 0.5	92	1730	< 1	6.03	< 10	< 1	< 0.01	< 10	>15.00
78547	205	226	< 5	0.2	1.01	< 2	90	< 10	< 0.5	< 2	0.59	< 0.5	88	1620	< 1	5.76	< 10	< 1	< 0.01	< 10	>15.00
78548	205	226	< 5	0.2	0.98	< 2	90	< 10	< 0.5	< 2	0.94	< 0.5	98	1535	< 1	5.49	< 10	< 1	< 0.01	< 10	>15.00
78549	205	226	< 5	0.4	1.01	< 2	100	< 10	< 0.5	< 2	0.44	< 0.5	99	1520	< 1	5.81	< 10	< 1	< 0.01	< 10	>15.00
78550	205	226	< 5	< 0.2	1.00	< 2	100	< 10	< 0.5	< 2	0.35	< 0.5	97	1460	< 1	6.19	< 10	< 1	< 0.01	< 10	>15.00
650101	205	226	< 5	< 0.2	1.10	< 2	110	< 10	< 0.5	< 2	0.35	< 0.5	94	1350	< 1	5.65	< 10	< 1	< 0.01	< 10	>15.00
650102	205	226	< 5	0.2	1.11	< 2	110	< 10	< 0.5	< 2	0.24	< 0.5	94	1200	< 1	5.59	< 10	< 1	< 0.01	< 10	>15.00

CERTIFICATION



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

BURNS, J.

190 GRAYE
TIMMINS, ON
P4N 8K8

Project :
Comments:

Page No. : 2-B
Total Pa. : 2
Certificate Date: 26-AUG-1999
Invoice No. : 19926059
P.O. Number :
Account : QNC

CERTIFICATE OF ANALYSIS

A9926059

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
78541	205 226	730	3	0.10	34	500	5440	0.13	< 2	8	13	0.13	< 10	< 10	67	< 10	114
78542	205 226	730	2	0.10	31	490	216	0.05	< 2	5	24	0.16	< 10	< 10	56	< 10	638
78543	205 226	805	2	0.02	817	250	108	0.03	< 2	4	23	0.14	< 10	< 10	57	< 10	326
78544	205 226	1200	2	< 0.01	1995	90	14	0.07	4	4	15	0.02	< 10	< 10	32	< 10	92
78545	205 226	1150	3	< 0.01	2010	130	8	0.07	2	4	14	0.02	< 10	< 10	32	< 10	58
78546	205 226	1155	3	< 0.01	2070	80	2	0.06	2	5	9	0.03	< 10	< 10	35	< 10	56
78547	205 226	1100	3	< 0.01	1990	80	4	0.06	2	4	12	0.03	< 10	< 10	33	< 10	58
78548	205 226	1120	4	< 0.01	1950	110	10	0.06	2	4	14	0.03	< 10	< 10	34	< 10	126
78549	205 226	1025	3	< 0.01	2510	200	4	0.07	4	5	6	0.02	< 10	< 10	35	< 10	54
78550	205 226	1060	1	< 0.01	1925	80	2	0.05	2	4	6	0.03	< 10	< 10	32	< 10	52
650101	205 226	925	3	< 0.01	1905	70	2	0.04	2	5	4	0.03	< 10	< 10	33	< 10	58
650102	205 226	925	2	< 0.01	1925	70	2	0.04	4	5	4	0.03	< 10	< 10	35	< 10	58

CERTIFICATION:



41P14SE2004 2.20463 RAYMOND 900

Subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this report work and correspond with the mining land holder. Questions about this collection should be directed to the Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

 Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

2. 20463
1. Recorded holder(s) (Attach a list if necessary)

Name <i>James Burns</i>	Client Number <i>113825</i>
Address <i>190 Graye Crescent</i>	Telephone Number <i>705-268-4660</i>
<i>Timmins, Ontario P4N 8K8</i>	Fax Number <i>705-268-4660</i>
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.

<input type="checkbox"/> Geotechnical: prospecting, surveys, assays and work under section 18 (regs)	<input checked="" type="checkbox"/> Physical: <u>drilling</u> stripping, trenching and associated assays	<input type="checkbox"/> Rehabilitation
Work Type <i>Drilling, assays, report</i>	Office Use	
	Commodity	
	Total \$ Value of Work Claimed <i>30,956.⁰⁰</i>	
Dates Work Performed From <i>07 07 99</i> To <i>10 09 99</i>	NTS Reference	
Global Positioning System Data (if available)	Township/Area <i>Mond Twp.</i>	Mining Division <i>Harder Lake</i>
	M or G-Plan Number <i>6-997</i>	Resident Geologist District <i>Kirkland Lake</i>

 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)

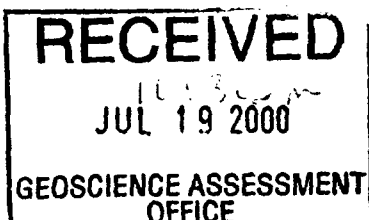
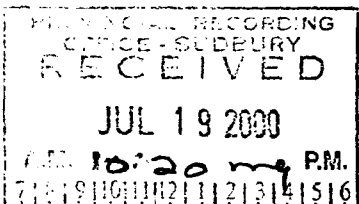
Name <i>James Burns</i>	Telephone Number <i>705-268-4660</i>
Address <i>190, Graye Crescent, Timmins, Ont</i>	Fax Number <i>705-268-4660</i>
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

4. Certification by Recorded Holder or Agent

 I, *James Burns* (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 during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>James Burns</i>	Date <i>July 17/00</i>
Agent's Address <i>190 Graye Crescent, Timmins, Ont</i>	Telephone Number <i>705-268-4660</i>
	Fax Number <i>705-268-4660</i>

0241 (03/97)



land where work was performed, at the time work was performed. A map showing the contiguous link must accompany form.

Revised Copy *W. 0080.00290*

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 Value of to be distributed at a future date
eg TB 7827	16 ha	\$20,826	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 1227660	16	30,956	15,478	15,478 <i>40</i>	-
2 1227661	16	0	15,478 <i>41</i>	15,478	-
3			<i>41B</i>		
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals	32	30,956	15,478	15,478	0

DUPLICATE

RECORDED
JUL 19 2000

I, James Burns (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 8/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Record Holder or Agent Authorized in Writing: James Burns Date: July 17/00

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):

2. 20433

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

Received Stamp

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

0241 (03/97)

RECEIVED
10:30am
JUL 19 2000
GEOSCIENCE ASSESSMENT OFFICE

RECEIVED
10:55am
JUL 26 2000
GEOSCIENCE ASSESSMENT OFFICE

For Office Use Only

Received Stamp

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

0241 (03/97)

RECEIVED
10:30am
JUL 19 2000
GEOSCIENCE ASSESSMENT OFFICE

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, this 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 a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 333 Ramsay Lake Road, Sudbury, Ontario, P3E 5B5.

2. 20463

Work Type	Units of work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Drilling	395 m	\$ 57.66 / m	22,776.29
Drill supervision, picking up core, logging, sawing, review with MNDM, delivery of core to MNDM, reporting assays	14 days	inclusive	5243.00
	52 samples	\$ 19.26 / sample	1001.52
Associated Costs (e.g. supplies, mobilization and demobilization).			
core shed rental (6 days)		\$ 44.58 / d	267.50
telephone, tape, claim maps, photo copies			189.30
helper - 6 days			900.00
Transportation Costs			
mileage + gas (942 km)		\$ 0.42	395.37
truck rental + fuel (to deliver core to MNDM @ KL)			183.38
Food and Lodging Costs			

Total Value of Assessment Work \$30,956.36

RECORDED
 JUL 19 2000

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. 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	x 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, James Burns, 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 holder I am authorized to make this certification.

RECEIVED
 10036-enc
 JUL 19 2000
 GEOSCIENCE ASSESSMENT OFFICE

Signature <u>James Burns</u>	Date <u>July 17/00</u>
---------------------------------	---------------------------



Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use) 110080-00291 Assessment Files Research Imaging

Personal information collected on this form is obtained under the authority of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this 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 a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240. - Please type or print in ink.

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

8. 20463

Form with fields for Name, Address, Client Number, Telephone Number, and Fax Number. Includes a 'RECORDED JUL 19 2000' stamp.

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

Form with fields for Work Type, Office Use, Dates Work Performed, Township/Area, Mining Division, and Resident Geologist.

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)

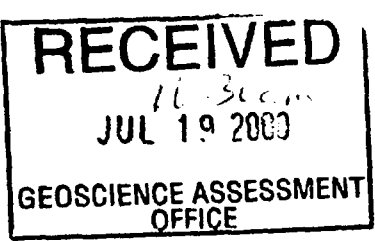
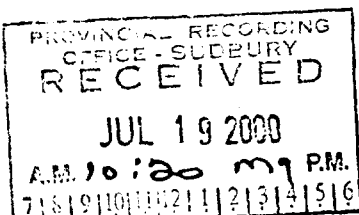
Form with fields for Name, Address, Telephone Number, and Fax Number for the person or companies who prepared the technical report.

4. Certification by Recorded Holder or Agent

I, James Burns, 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 during or after its completion and, to the best of my knowledge, the annexed report is true.

Form with fields for Signature of Recorded Holder or Agent, Date, Agent's Address, Telephone Number, and Fax Number.

0241 (03/97)





41-2080 00291

20183

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, this 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 a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 93 Ramsey Lake Road, Sudbury, Ontario, P3E 8B5.

Work Type	Units of work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
linecutting	5.38 Km	\$ 321.00 / Km	\$ 1726.98
Mag survey	4.9 Km	\$ 85.60 / Km	419.44
VLF survey	4.9 Km	\$ 38.21 / Km	187.25
Geology survey	4.9 Km	38.21 / Km	187.25
Drafting & reporting	1 day	inclusive	374.50
Geophysical interp.		inclusive	477.49
Associated Costs (e.g. supplies, mobilization and demobilization).			
OBM maps, photocopies, Purolator, batteries			60.85
helper - 2 days			300.00
RECORDED JUL 19 2000			
Transportation Costs			
gas & milage (460 Km)		\$ 0.37 / Km	170.66
clearing roads of windfall			374.50
Food and Lodging Costs			
Total Value of Assessment Work			\$ 4278.92

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. 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 x 0.50 = Total \$ value of worked claimed.

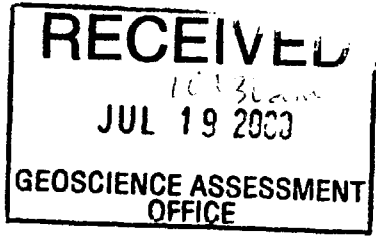
Note:

- 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, James Burns (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 holder I am authorized to make this certification.
(recorded holder, agent, or state company position with signing authority)



Signature: James Burns Date: July 17/00

August 24, 2000

JAMES GORDON BURNS
190 GRAYE CRESCENT
TIMMINS, Ontario
P4N-8K8

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

Telephone: (888) 415-9845
Fax: (877) 670-1555

Dear Sir or Madam:

Submission Number: 2.20463

Status

Subject: Transaction Number(s): W0080.00290 Approval
W0080.00291 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. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

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 **BRUCE GATES** by e-mail at bruce.gates@ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,



ORIGINAL SIGNED BY
Steve B. Beneteau
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.20463

Date Correspondence Sent: August 24, 2000

Assessor: BRUCE GATES

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0080.00290	1227660	MOND	Approval	August 23, 2000

Section:
16 Drilling CORE
16 Drilling PDRILL

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0080.00291	1227660	MOND, RAYMOND	Approval	August 23, 2000

Section:
12 Geological GEOL
14 Geophysical MAG
14 Geophysical VLF

Correspondence to:
Resident Geologist
Kirkland Lake, ON

Recorded Holder(s) and/or Agent(s):
JAMES GORDON BURNS
TIMMINS, Ontario

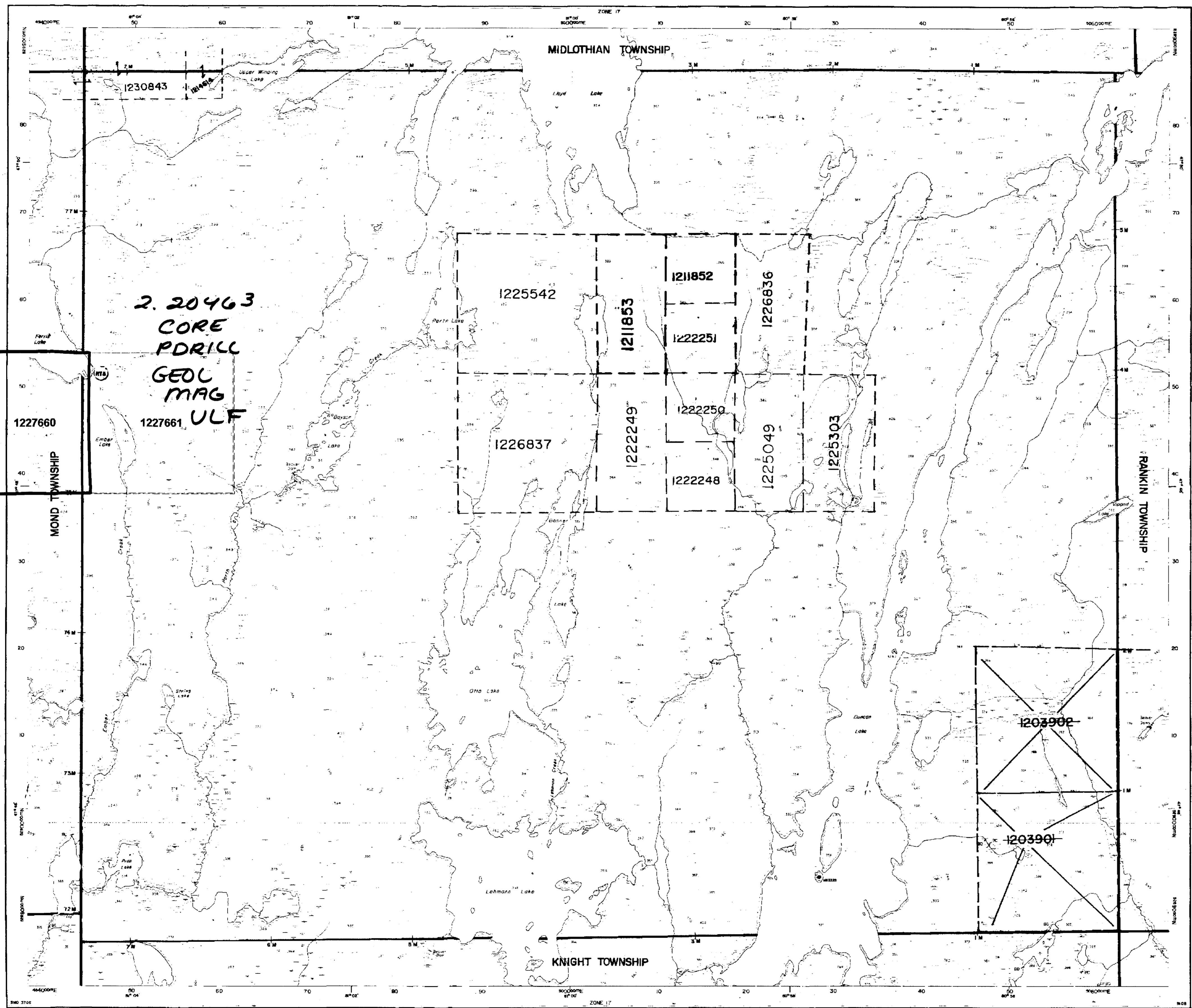
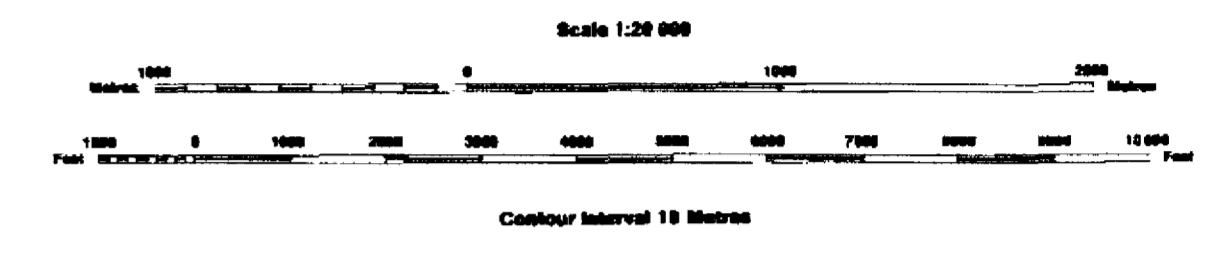
Assessment Files Library
Sudbury, ON

INDEX TO LAND DISPOSITION

PLAN
 G-3706
 TOWNSHIP

RAYMOND

M.N.R. ADMINISTRATIVE DISTRICT
 KIRKLAND LAKE
 MINING DIVISION
 LARDER LAKE
 LAND TITLES/REGISTRY DIVISION
 TIMISKAMING



2. 20463
 CORE
 PDRILL
 GEOL
 MAG
 ULF

1227660

1227661

1203902

1203901

SYMBOLS

- Boundary
- Township, Meridian, Baseline
- Road allowance, surveyed
- shoreline
- Lot/Concession, surveyed
- unsurveyed
- Parcel, surveyed
- unsurveyed
- Right-of-way, road
- railway
- utility
- Reservation
- Cliff, Pt. File
- Contour
- Interpolated
- Approximate
- Depression
- Control point (horizontal)
- Flooded land
- Mine head frame
- Pipeline (above ground)
- Railway, single track
- double track
- abandoned
- Road, highway, county, township
- trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
 SRO - Surface Rights Only
 M+S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File
(M) Mining & Surface Rights Rescinded to prospecting, sale or lease, Order C.L. 10/95, previously withdrawn under Order W-65193.				

DISPOSITION OF CROWN LANDS

- 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
- Cancelled
- Reservation
- Sand & Gravel

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.

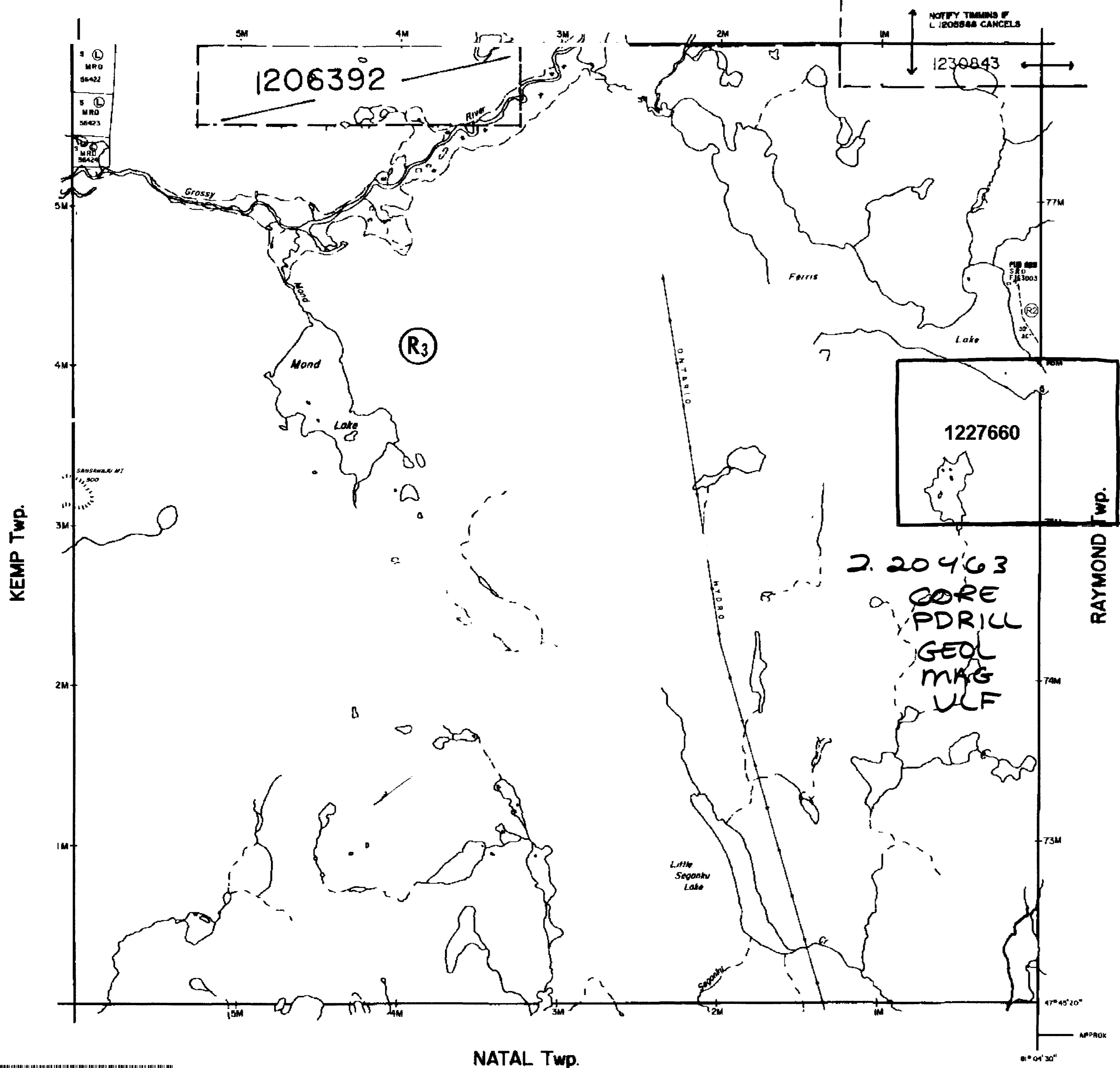
THIS MAP SHOWS THE APPROXIMATE LOCATIONS OF THE BOUNDARIES OF THE AREA WHICH IS THE SUBJECT OF CURRENT LITIGATION. THE EXACT LOCATION WILL BE SHOWN FOLLOWING CONFIRMATION BY THE PARTIES TO THE ACTION.

ARCHIVED MAY 7, 1997
 ARCHIVED MARCH 7, 1995
 CIRCULATED AUG. 18, 1992 B.R.B.

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources. The disposition of land, location of lot, block and parcel boundaries on this index was compiled for administrative purposes only.



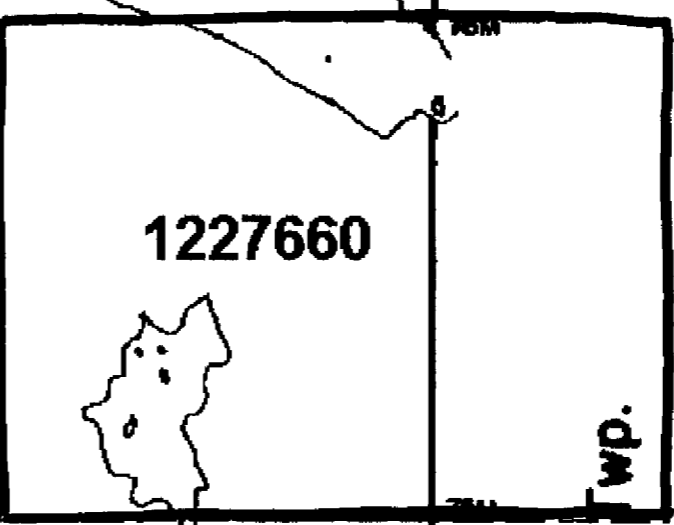
HALLIDAY Twp.



NOTIFY TIMING IF L 1206392 CANCELS

1230843

R3



1227660

RAYMOND Twp.

NOTES

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

TRAPLINE CABIN

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 HEREDON.

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
-------------	-----------	------	-------------	------

- (R) PUBLIC RESERVE SRO 163003
- (R) Mining & Surface Rights Reopened to prospecting, sale or lease Order O-L-10/95, previously withdrawn under Order W-65/83
- (R) Sec. 35 W-LL-P1639 07/05/99 M+S

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 MUSKEG
- MINES
- CANCELLED (C)
- LAND USE PERMIT (*)

*used only with summer resort locations or when space is limited

TOWNSHIP OF

MOND

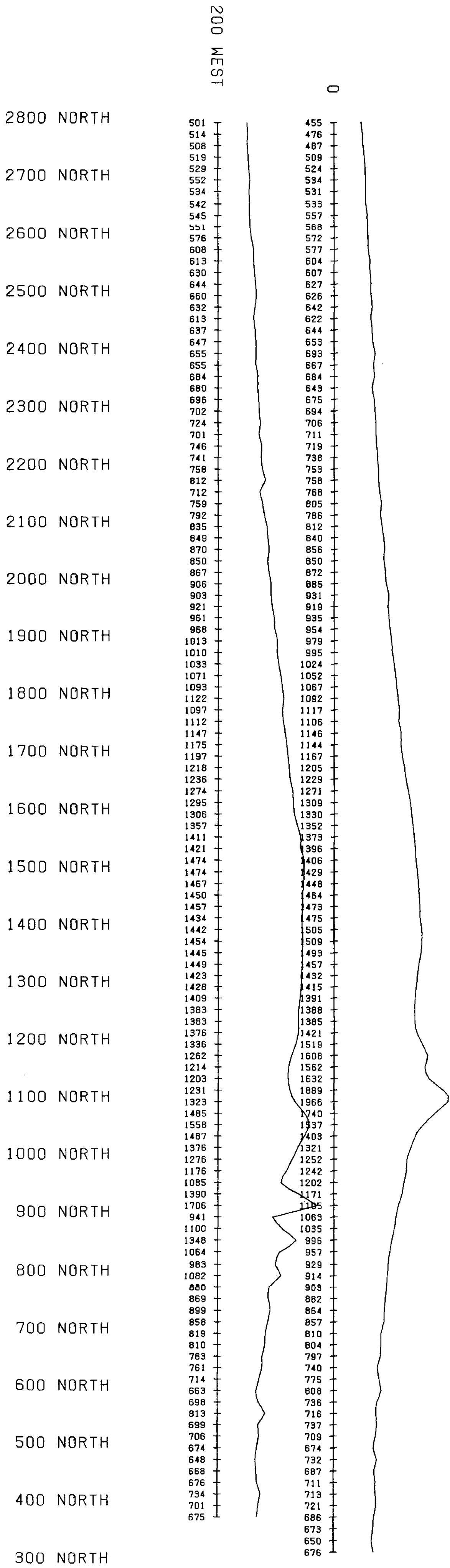
DISTRICT OF
SUDBURY

LARDER LAKE
MINING DIVISION

SCALE 1 INCH 40 CHAINS (1/2 MILE)

DR	R W NOBLE	PLAN NO	G-997
DATE	NOV 1989		

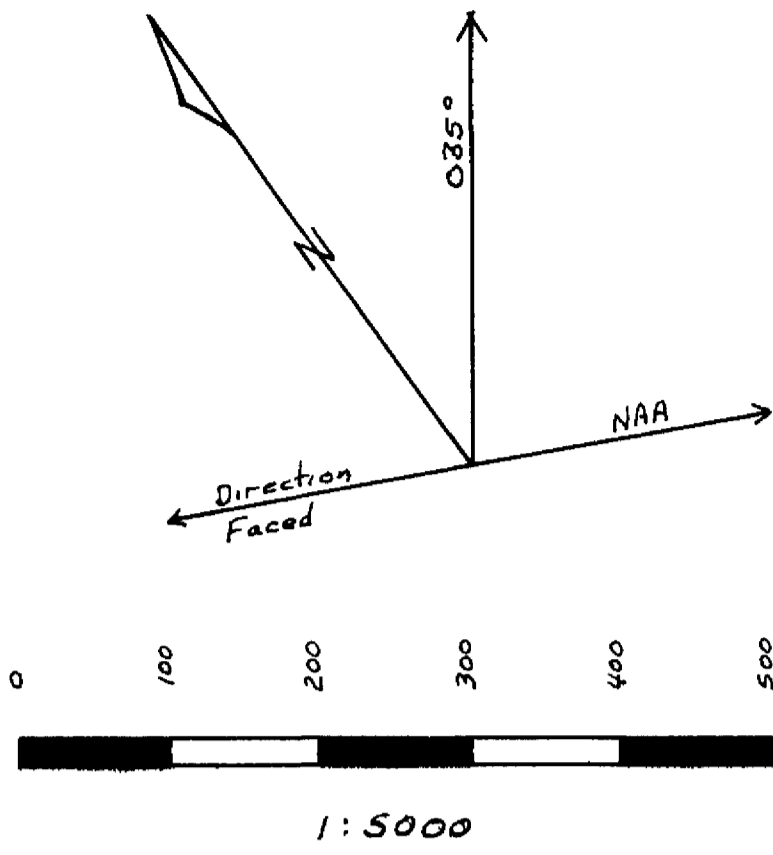




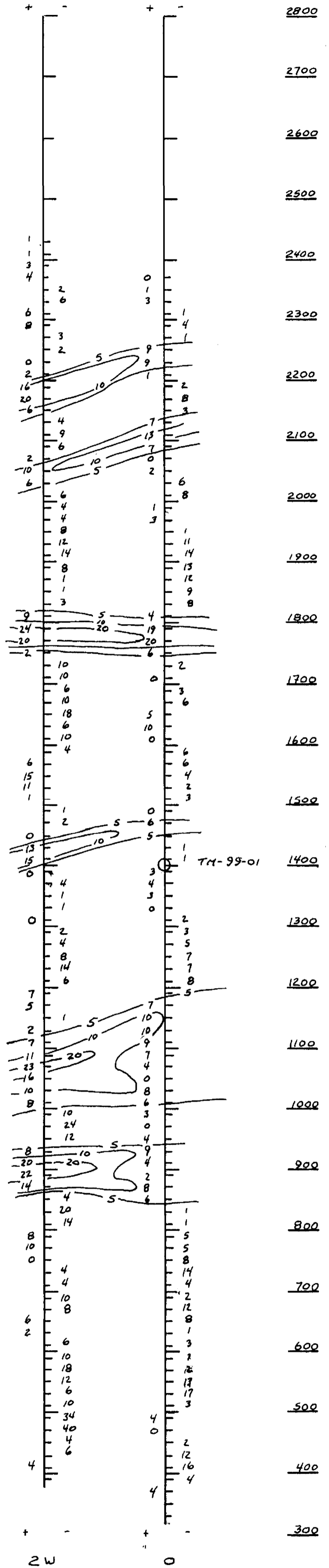
BURNS PROPERTY
 RAYMOND/MOND TWP.
 PROFILED MAGNETIC SURVEY
 HUSSEY GEOPHYSICS
 Profile Scale: 1mm = 50nT
 Datum Subtracted = 57000nT
 Scale 1:5000

FIGURE 7





Instrument : Phoenix VLF-2
 Station Used : NAA - Cutler Maine



FILTERED DIP ANGLES	
J.G. BURNS PROPERTY	
MOND & RAYMOND TOWNSHIPS	
41 P/14	
AUGUST 1998	DRAWN : J.G.B.
1:5000	FIGURE 8



2800
2700
2600
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300

bi 50
sp 50
ma 15

bi 30
sp 30
ma 15
up 90

up 80
bi 30

rp 100
cd 40

bi 20
ba 30
po 40
sp 30

cd 50
po 50
ba 30
bi 30
cd 40
sp 80

bi 30

bi 30

sp 30

wp 30
sp 30

up 80
sp 60

jp 80

bi 30
ma 20

bi 15
sp 30

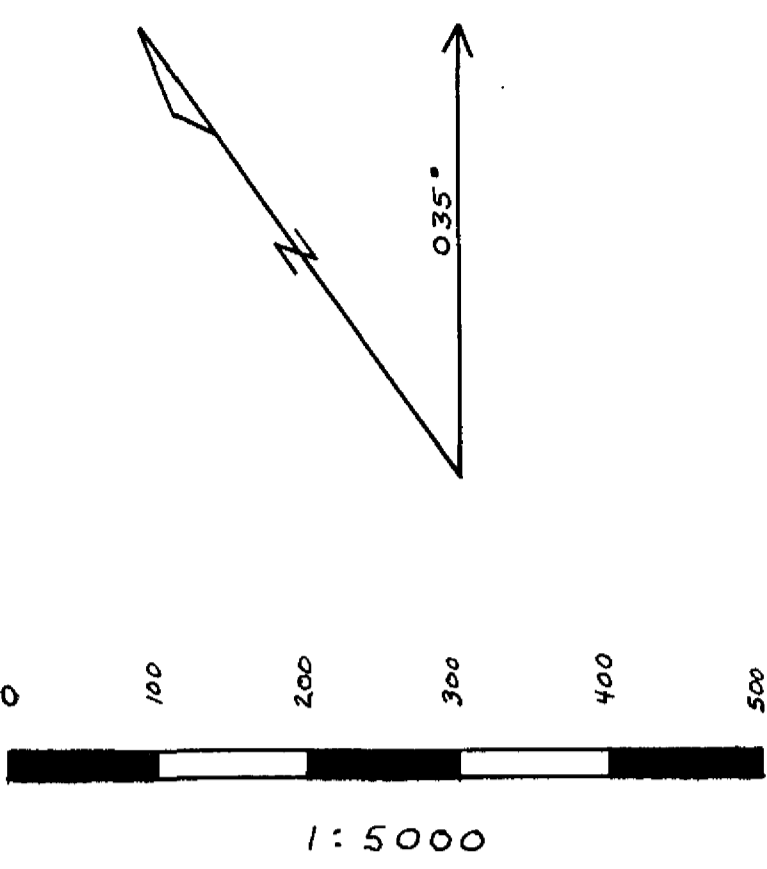
TM-99-01

po 40
bi 30

bi 40
ma 20

bi 30
po 30

bi 20
jp 40



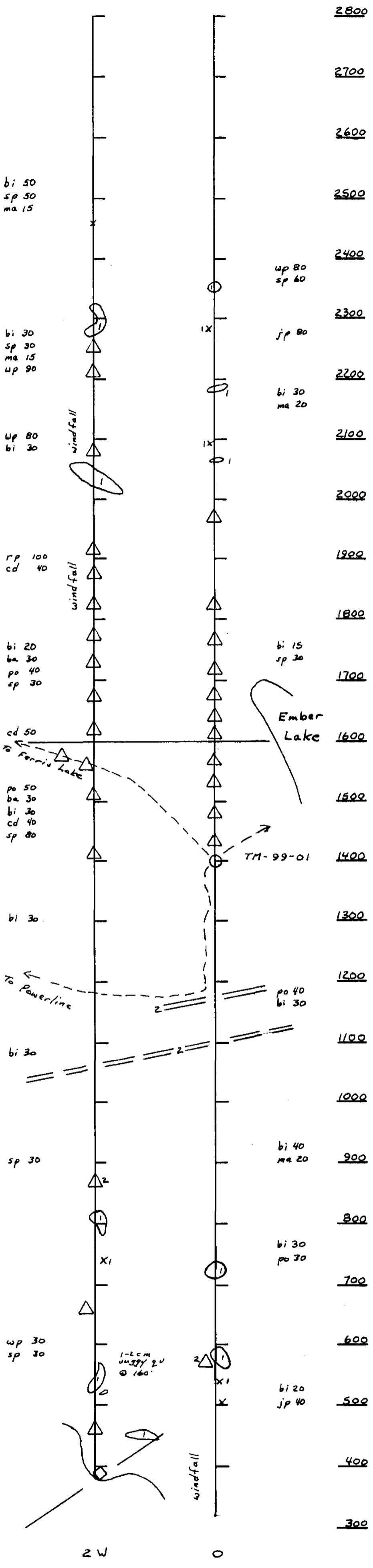
2 Diabase
1 Quartzite

○ Outcrop
x Small Outcrop
△ Boulder

Tree species (diameter in cm)

- bi - birch
- sp - spruce
- po - poplar
- ba - balsam
- cd - cedar
- ma - maple
- jp - jackpine
- up - white pine
- rp - red pine

--- tractor road
— claim line
□ claim post



GEOLOGY	
J.G BURNS PROPERTY	
MOND & RAYMOND TOWNSHIPS	
41 P/14	
AUGUST 1999	DRAWN : J.G.B.
1:5000	FIGURE 9

