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GEOPHYSICAL SURVEY RESULTS ON THE KEHOE-RIDDELL PROPERTY CLARENDON TWP., ONTARIO

for

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MINING LANDS SECTION

by

J. B. Boniwell Exploration Geophysical Consultant January 3, 1987





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INTRODUCTION

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A suite of old gold showings and workings in Clarendon Township, Eastern Ontario, on strike with the erstwhile Boerth mine, was acquired by an option agreement during the summer of 1986. These are prospects dating from 1906 or thereabouts, and while some extended sampling has been carried out subsequently over the years, including diamond drilling in the Boerth vicinity, such work has been spasmodic and confined. No coherent overall surveying of the environment has ever been undertaken on the ground so far as is known, certainly not by geophysics in recent times.

Therefore in order to provide a new and fundamental data base for the area, a systematic, combined V.L.F. em. and magnetic survey has recently been completed. The results of this work form the subject of this reporting.



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DESCRIPTION OF PROPERTY

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The property as presently constituted is composed of 12 unpatented mineral claims, each nominally of 50 acres (20.2 hectares). Several of the claims however are of irregular shape, and they affect the property outline (Dwg. No. EIC-1775). In addition, there exist 2 alien patented claims which together form a salient in the property east side. Nevertheless all claims of the group are contiguous.

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The property is wholly located in Clarendon Township, County of Frontenac, Eastern Ontario Mining Division. The specifics and status of the individual claims comprising it are as follows:

C1	aims Nos.	Range	Lot	No. of Claims	Twp.	Due Date
EO	781810,11	VIII	28	2	Clarendon	12 Dec.'86
	781812,13	IX	28	2		
	781814	х	28	1	**	
	781815	IX	29	1	••	•1
	781816,17	IX	27	2		
	781818,19	VIIÌ	30	2	**	
	840479	X	28	1	**	10 Feb.'87
	840480	IX	29	1 -	**	••

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These claims are presently registered in the name of Clinton Kehoe, R.R. #1, Tichborne, Ontario.

The encompassed ground is quite lumpy and provides a fair amount of rock exposure. In between the higher relief, sections of swamp exist which can be quite marked as topographic depressions. The land surface is forested for the most part, hardwood trees on the well drained slopes, conifers on the poorer ground and in the swamps.

Some of the area has been farmed in the past and certain open fields are still being used for grazing. Barbed wire fences occur in places but none of these are grounded. The chief cultural component of the area, and the one which most drastically affects the geophysical data, is a power line right-of-way which cuts through the heart of the property longitudinally. No less than 5 high tension transmission lines occupy this corridor at times. Their effect on the collected V.L.F. and magnetic measurements in the vicinity can be profound.

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DETAILS OF SURVEY

In order to curtail cutting, traverse lines for this survey were primarily put in by chain and compass. However a BL oriented 250° true was cut, chained, and picketed across the full width of the property to control the operation. A parallel sub-BL at 575N turned off from line 200E, both lines similarly cut, chained and picketed, extended such control to the northern reaches of the claims.

All traverses were laid out 100 m apart. Reading stations on them were occupied every 25 m and flagged with their appropriate co-ordinates.

The survey was conducted by two people working in tandem, the leading crewman providing compass direction as well as being responsible for the flagging of the station and the collection of the V.L.F. observation thereat. The trailing crewman was responsible for the chainage interval and magnetometer reading.

In the event, actual field operations were interrupted by the hunting season. As it transpired, the first instalment representing the western half of the coverage was completed with a different crew using in part different equipment than that subsequently deployed for the eastern half.

The magnetic values were gathered in the first stage with a Geometrics G-816 proton precession magnetometer providing a read-out sensitivity of 1 nT. Geomagnetic fluctuations were



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monitored by standard looping techniques to established bases periodically. An accuracy of about 20 nT is presumed to have been achieved thereby. In the second stage, an EDA model Omni IV proton magnetometer with similar sensitivity was monitored closely in time by a self-recording base station magnetometer (another Omni IV) set up in the area (at 100E/125S). An estimated 3 nT accuracy was achieved in this case.

For their part, the V.L.F. (radio) em. data were obtained in the broadcast field of NAA (24.0 kHz) transmitting from Cutler, Maine. The receiver employed throughout was the Geonics Em-16 suitably tuned. Measures in effect of the vertical secondary field were taken at a sensitivity of $\pm 1\%$ of the primary (horizontal) field at each observation point.

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PRESENTATION OF DATA

All data are presented at a plan scale of 1:2500.

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The V.L.F. results are shown both as profiles and in the form of contours, the former a plot of actual field readings, the latter undertaken after the application of a filter to remove extremes of response and the reduction of data to the second derivative (the Fraser filter).

The magnetic results are displayed as contours only. The posted values represent departures from a base level of 56,000 nT in the terrestrial field. The fundamental contour interval employed is 100 nT up to 2000 nT of relief, thereafter it is 1000 nT.

In the presentation, a division is made between west and east sheets according to where the ground programme was interrupted. It is also to be noted that coverage of the two alien claims has been included in the presentation to improve the perspective and to facilitate interpretation.



DISCUSSION OF RESULTS

A. Magnetics (Dwg. No. EIC-1776)

An appreciable relief exists across the property, excluding the power-line corridor. Sharply resolved ridges involving several hundred nTs generally running in a NE direction typify parts of the area, and for over a kilometer of strike, these changes can be quite orderly in behaviour. Largely mafic horizons in a gneissic sequence can be presumed responsible.

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As marker units, these magnetic features could be valuable in describing events which depart from the norm. The geology of the area (OGS Map #P.2487, Precambrian Geology of the Ardoch Area, Southern Ontario, 1982) implies a tightly folded overturned suite of metasediments bearing northeast; in fact the main fold axes flank and are sub-parallel to the power-line right-of-way. Beyond these specifics however, very little other structure has been recognized, and very little deformation. It is therefore remarkable that the magnetic trends towards grid centre and to the east appear as spotty and broken up as they do.

It is manifest nevertheless that the presence of the power-line has severely hampered a full definition of the area's magnetic patterns. A swath varying from 200 - 300 m wide in which effectively no magnetic data can be relied upon to denote sub-surface circumstance, transects the area from grid southwest to grid northeast. This is a zone of major discontinuity, and



since a low angle of transgression is involved, it is commonly difficult to carry magnetic feature from one side to the other.

(It is interesting to observe at this point that the EDA Omni IV magnetometer has been influenced less by the power line interference than the Geometrics G-816, that is to say, it was overwhelmed by noise over a shorter transverse distance (200 m) than its older counterpart (300 m). This can be put down to an improved in-built tolerance the more modern meter has to high magnetic gradients).

As can be seen, the more magnetic rocks occupy the southern fringe of the grid, south of Swaugers Lake. Unhappily because of the shape of the claims group, this particular magnetic regime is terminated by property boundaries at both its strike extremities; this is unfortunate because this system is potentially the best marker unit in the area lying free of the power-line zone. As it is, the only hint it offers that cross-structural disruption has disturbed it is at 750W/500S, virtually at the grid edge. A possible fault bearing NW is suspected at this juncture.

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Elsewhere across the grid, the presence of faulting is more implicit than defined. Magnetic continuities are either inherently insufficient or are blanked by the power line noise. Yet despite these hindrances, it is still possible to project some axes on the evidence of the magnetic data, the most notable of which are the NW faults at 100E circa 250N, and at 750W/500S as already noted, and two N-S striking faults crossing the tie-line 575N near lines 500E and 900E. Faults running in any



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other direction, or that is in the broad direction of the geology, are difficult to perceive on the basis of the present magnetics alone.

The known gold showings and workings in the area, it is seen, are largely confined to one broad band of modest magnetic low which strikes across the grid just south of the power-line corridor. Since previous prospecting had followed this (largely calcareous) horizon in the metasedimentary sequence rather extensively, this outcome is not particularly surprising. However the present magnetics by such association do allow the speculation of wider possibilities in the grid environment, and these could be important to future exploration. They are considered in a later section of the report.

B. V.L.F. (radio) Em. (Dwg. Nos. EIC-1777, 1778)

A number of quite strong V.L.F. anomaly axes have been delineated in the area. Again however, the existence of the central power-lines renders the data in their vicinity insensitive to sub-surface events. Below the lines themselves, results are virtually meaningless.

Despite this handicap, what the V.L.F. coverage has returned is quite revealing. Probably the most notable is the striking evidence of E-W faulting in the area. This circumstance had not been foreseen especially. At least two such structures have been indicated in the eastern sector of the grid, and there are hints in the data that there may exist subsidiaries to them

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there. This of course is the structural alignment most favoured by the primary (NAA) field, direction, and in any case the strength and clarity of the main breaks can not be denied. As it turns out, there is air-photo support for their existence once it is known exactly where to look for them. The magnetics are accommodating without being very descriptive.

As a corollary, any fault axis bearing N-S is least favoured by the primary transmission, and indeed possible cases of such structures are relatively hard to discern. By contrast, those with NE or NW headings are likely to be reasonably coupled and definitively, yet because of the grid orientation, it is the only NE-bearing structures which will show up with authority in the present survey presentation. Thus it is regarded consistent that most of the other strongly resolved V.L.F. events in the data should assume northeast axial headings. On the odds, these signify shears or slip faults; certainly they tend to govern the topography of the area and in consequence much of the drainage. Swaugers Lake, for example, is clearly the seat of a major fault passing along its length, and so likewise is the ENE bearing arm of Swamp Creek bordering the grid north side to the west.

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However what is important to present exploration is the interaction these faults make with each other. In V.L.F. terms, the most evident locality of compound response centres upon 400E/225N. Here a number of fault lineaments seemingly converge. Also there occur sharp changes and terminations in the vicinity. Significantly the heart of this interactive zone falls in a sharply edged swamp cutting across the grain of the country. A

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very broken up bedrock can be presumed in this location consequentially.

A not quite so pronounced interaction of V.L.F. axes occurs also at 700E/700N in the northern quarters of the claims group. Again there is some lower ground in coincidence, although not as distinctively. Here NE and ENE striking structures appear to merge.





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MINERAL CONSIDERATIONS

The known gold in the area occurs on higher ground where there is outcroip or sub-crop, and conditions are amenable to pitting and trenching, even driving underground from an adit. All such manner of investigations have in fact been carried out in the past, and to this day constitute the main prospecting activities effected. Some diamond drilling has been completed in the property area, but it largely has been undertaken as a confined shallow testing of existing showings either immediately below them or on strike (Dwg. No. EIC-1779). No broader exploration based on conceptual possibilities seems to have been attempted -- except questionably by geochemistry (Selco 1980 over the one claim #781812).

It is entirely possible of course that the gold mineralization exists on the topographically higher ground because of an attendant silicification which has differentially resisted galcial erosion. However it needs be pointed out that in the regional sense virtually the whole property occupies a higher ground -- a reason why the power-line right-of-way is where it is -- and that it would be a mistake if the locally swampy ground between outcrop sections were to be excluded from mineral consideration as a result.

There is little doubt that the gold mineralization of the area is an introduced mineralization, and that fundamentally it is structurally controlled. One structural component of obvious prominence is the regional folding which bears axially NE-SW;

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here it is pertinent to note that within this context the old Boerth mine as mapped sits astride a projected anticlinal fold axis (Pauk and Mannard, 1982).

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The V.L.F. results clearly provide evidence of E-W faulting across the grid, but these axes in the case of the Boerth widely bracket the mineralization. They do not impinge directly upon the mineral setting. This case is repeated elsewhere for virtually all the other showings through the area. Only at 600N/1400E at the extreme east edge of the coverage is there an apparent correlation between such structure and mineralization (two old shafts occur there). At the Boerth mine in fact, the only hint of an interceding fault is in the N-S direction. This is poorly seen in the V.L.F. data due either to minimum field coupling or to local silicification. as as more probable, to a combination of both. However the magnetics support such a cross-structure, and so does the air-photo topographically. It is therefore believed real and potentially symptomatic.

A third structural factor in the Boerth vicinity promises to be faulting in the bedding (schistosity) direction. A marked V.L.F. axis approximately 70 m south and bearing ENE flanks the mineral setting. If this is a shear, as it promises to be, then it abruptly terminates west of line 900E, or that is as it draws abreast the Boerth shaft. A possible explanation is a regional silicification aligned along the above-noted transgressing N-S fault break which locates nearby. Intriguingly, it is seen that another such ENE fault/shear, albeit more weakly defined, flanks the Weber showing to its south side about the same distance away,



and that it too suffers the same fate proceeding westwards (at line 100E). Again N-S faulting is potentially responsible although it is only glimpsed here. This manner of fault interaction thus emerges as holding, at least empirically, some vital significance for mineral occurrence.

A final aspect of note at the Boerth is the lack of local magnetic relief; in fact the entire mineral setting sits in a sector of relative magnetic low. While typically the amount of magnetic change in the neighbourhood is not great -- as is appropriate to a metasedimentary host, -- it becomes a consequence thereby that the magnetic low involved will not be sharply defined. Nonetheless, there is a grid-wide persistence to this type of association: viz. all the known showings and workings in the area without exception fall in or closely flank sectors of similar magnetic low.

On this basis then, it is possible to discern prospective localities for new gold occurrence in the area using the above-developed criteria. These include proximity to a fold axis, existence of N-S cross-structure, and ENE shearing, and an embracing magnetic low which could represent a zone of alteration environmentally. Four such localities are presently put forward as more or less satisfying these requirements. Three of them are small, the other is large and is distinguished by the inclusion of most of the known gold showings.

Prospective as these situations may be, they are however far from clearly defined, in fact their extents and outlines are inherently vague. It is therefore necessary to determine

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individual points within them which can become focussed targets for a realistic (and cost-effective) drill testing of contained potential. A screening by induced polarization/resistivity of each locality is thus regarded as the next logical step in exploration here. All the main gold showings are accompanied by sulphides, (viz. arsenopyrite, chalcopyrite, pyrrhotite, pyrite), at least to some extent or another, and hence any demonstrated existence of further sulphides in any one place within these favoured sectors would immediately provide substance and purpose to a future investigation by drilling in the area.





CONCLUSIONS AND RECOMMENDATIONS

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The completion of geophysical surveys on the Kehoe-Riddell property, it is concluded, has provided an insight into the structural make-up of the region not previously had. In particular such coverage has allowed the projection of additional controls to the known mineralization, and has led to the recognition that wider possibilities for new gold occurrence exist in the property area.

Specifically it is concluded that there are four sectors which are eminently prospective and worthy of further work. None however at this time is sufficiently defined to propose test drilling directly.

It is therefore recommended that the following further geophysical steps be undertaken:

- i) extend the present grid coverages to Swaugers Lake as and when winter ice permits, likewise the swampy ground adjacent to Swamp Creek circa the north end of lines 500E-800E;
- ii) carry out a cross-grid V.L.F. survey utilizing the broadcast field of NSS (21.4 kHz). Stations again would be occupied every 25 m on lines 100 m apart, the present grid co-ordinate system being maintained for this work throughout;



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iii) initiate an IP/resistivity screening of the four favoured locales. Such work is to be effected with pulse transient equipment with a minimum power rating of 2 kva, and employing a double dipole array with an 'a' spacing of 25 m and 'na' spacings equivalent to n=1,2,3,4. Appropriate sections for this work would be:

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Locales 1/2	Lines	800W	from	3005	to	400N
Locale 1		600W	11	150S	to	350N
**		400W	**	150S	to	400N
**		100W	•1	50S	to	550N
19		100E	"	2505	to	250N
11		200E	**	2505	to	900N
Locales 1/3		400E	11	100S	to	1000N
Locale l		600E	**	100S	to	900N
		800E	**	100S	to	500N
**		900E	••	00	to	500N
Locales 1/4	1	1000E	11	100S	to	1050N

These sections approximate 8.25 kms total of traverse.

The objective of these supplementary coverages is to sharpen up the structural context of the prospective locations, as well as supply fill-in data in past gaps. The extra parameters granted by the IP/resistivity traversing specifically seek direct evidence of sulphides within the select sectors, and some indication of their distribution therein. At the same time



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they promise to provide information on local alteration effects, especially in respect of silicification.

With this kind of enlarged information, it should be possible to lay out a realistic drill programme to test the discovery potential pertinent to new gold on the property.

JBB:sb January 3, 1987

J. B. Boniwell Exploration Geophysical Consultant



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APPENDIX

PROPERTY: Kehoe - Riddell Option LOCATION: Clarendon Twp., Eastern Ontario Mining Division, Ontario.

ASSESSMENT INFORMATION

Number of Claims: 12 Work Performed : i) line-cutting and chaining ii) magnetic surveying iii) V.L.F. (radio) em. surveying : i) field work, Oct. - Dec. 1986 Dates of Work ii) data processing, compilation; Dec. '86 iii) interpretation, reporting; Jan. 1987 i) grid preparation; Services : Claridge La Rose Geophysics Ltd., Bracebridge, Ontario. ii) geophysical surveying; a) Claridge La Rose Geophysics Ltd., Bracebridge, Ontario. b) Techterrex Inc., Mississauga, Ont. 2



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Untario WB	Geochemical a	nd Expend	Mi	31C15NW0043 2.97	10 CLARENDO		I I I II	300
Type of Survey(s) Magnetic	, V.L.F. (radio) em.			Township	or Area Clarend	on N	
Claim Holder(s) Clinton	Kehoe		and an	····	····· • • • • • • • • • • • • • • • • •	Prospecto	or's Licence No.	
Address R. R. #1.	Tichborne, On	tario					· · · ·	
Survey Company Claridge	La Rose Geophy	ysics L	td.,	Date of Survey	(from & to) 6 27 1	1,86	Total Miles of lin 33.3 kms	s Cut
TechTerr Name and Address of Author (c	ex_Inc f Geo-Technical report)		9+ Mie	siggauga	Ontario	1.5G 3	G7	
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Special Provisions		Davs per	Mining Cia	ning Claim	Expend.	N N	fining Claim	Exper
Ear first surgery	Geophysical	Claim	Prefix	Number	Days Cr.	Prefix	Number	Days (
Enter 40 days. (This	- Electromagnetic	40	EO	781810				
includes line cutting)	- Magnetometer	20		781811				
For each additional survey:	- Radiometric			781812				
using the same grid:	- Other		-	701012		- 44 - 44 - 4		
Enter 20 days (for each)				/81813				
	Geological		- M.S.C. (M-	781814				
	Geochemical			781815				
Nan Days	Geophysical	Days per Claim		781816				
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				/81819				
	- Other			840479				
	Geological			840480				
	Geochemical							
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credits do not apply	Electromagnetic							
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<u>ل</u>						Total num claims cov	ber of mining vered by this	
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choice. Enter number of days	credits per claim selecte	d	Total Davs C	or Office Use Or r. Date Recorded	\\\/	Mine B4	corder	
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27 Nov. '86	Nam ++++++++++++++++++++++++++++++++++++			2	·		+	/
ertification Verifying Report	rt of Work							

Ministry of Geotechnical 2.9710 Northern Development Report and Mines Approval Intario Gam. 23/87 i Roger Barlow: Mining Lands Comments No line cutting (chain + compass) carried out, you feel that control is adoquate for these geophysical surveys, so that we may 155455 To: Geophysics Comments - ULF saw dely meaded on maps - chine compose in sales forting Signature Rh Jan 27 /87 Approved Wish to see again with corrections To: Geology - Expenditures Comments Date Signature Approved Wish to see again with corrections To: Geochemistry Comments Date Signature Wish to see again with corrections Approved To: Mining Lands Section, Room 6610, Whitney Block. (Tel: 5-4888)



OPPER UPPER NILS

Ministry of Northern Development and Mines

Geophysical-Geological-Geochemical Technical Data Statement

File	
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TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) V.L.F. (radio) em, magnetic	
Township or Area <u>Clarendon</u>	MINING CLAIMS TRAVERSED
Claim Holder(s)Clinton Kehoe	List numerically
R.R. #1, Tichborne, Ont.	
Survey Company <u>Techterrex Inc.</u>	E.O,7.81.81.0
Author of Report B. Boniwell	(prefix) (number) 781811
Address of Author 10 Hurontario St., Mississ. L5G 3G7	
Covering Dates of Survey 26 Oct 27 Nov. 186	
Total Miles of Line Cut. 31.4 kms.	
	781814
SPECIAL PROVISIONS	······
CREDITS REQUESTED Geophysical per claim	
-Electromagnetic40	
ENTER 40 days (includes -Magnetometer 20	781817
survey. –Radiometric	
ENTER 20 days for each -Other	
additional survey using Geological	
same grid. Geochemical	840479
AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)	840480
MagnetometerElectromagneticRadiometric	
(enter days per claim)	
DATE: Nov. 27, '86 SIGNATURE:	
Author of Report or Agent	
Res Geol Qualifications (23.1284	
Previous Surveys	
File No. Type Date Claim Holder	
	12
	TOTAL CLAIMS
837 (85/12)	

GEOPHYSICAL TECHNICAL DATA

Number of Stations _	1255	Number of Reading	s2510.
tation interval	m	Line spacing	100 m
rofile scale	1 cm = 20%	***	
ontour interval	100 nT		
Instrument	EDA PPM 350 / Ge	eometrics G-816	
Accuracy – Scale c	onstant <u>1 n T</u>		
Diurnal correction	method <u>Base stat</u>	tion EDA PPM 375	
Base Station check-	in interval (hours) <u>2</u> h:	rs. for G-816	
Base Station location	on and value		
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Instrument	Geonics Em-16		
Coil contiguration .	N/A		· · · · · · · · · · · · · · · · · · ·
Coil separation	infinite - 1% primary fig		
Accuracy	Te briwary rid		
Method:	Fixed transmitte الكلا	er 🗀 Shoot back 🗀 In	line 🗀 Parallel line
Frequency	NAA	(specify V.L.F. station)	
Parameters measure	d <u>In-phase</u> quadrat	ture components of vert	ical field
Instrument			
Scale constant			
Corrections made			
			
Base station value a	nd location	······································	
	·····		
Elevation accuracy.			
Instrument			
Instrument <u>Method</u> [] Time	Domain	🗖 Frequency	Domain
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Instrument <u>Method</u> D Time Parameters – On tim – Off ti	Domain me	Frequency Frequency Range Range	Domain
Instrument <u>Method</u> D Time Parameters – On tim – Off ti – Delay	Domain me ime / time	Frequency Frequency Frequency Range	Domain
Instrument <u>Method</u> D Time Parameters – On tim – Off ti – Delay – Integ	Domain me ime / time ration time	Frequency Frequency Range	Domain
Instrument <u>Method</u> Time Parameters – On tim – Off ti – Delay – Intege Power	Domain me ime / time ration time	Frequency Frequency Frequency Range	Domain
Instrument <u>Method</u> _ Time Parameters - On tim - Off ti - Delay - Integ Power Electrode array	Domain me ime / time ration time	Frequency Frequency Frequency Range	Domain
Instrument <u>Method</u> Time Parameters - On tim - Off ti - Delay - Integ Power Electrode array Electrode spacing	Domain me ime / time ration time	Frequency Frequency Frequency Range	Domain

SELF POTENTIAL

Instrument	. Range
Survey Method	

Corrections made_____

RADIOMETRIC

Instrument		
Values measured		
Energy windows (levels)		•
Height of instrument	Background Count	
Size of detector		
Overburden		
(type	, depth — include outcrop map)	

<u>OTHERS</u> (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey	<u>.</u>	 	
Instrument	·····	 <u>. </u>	

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Accuracy_____

Parameters measured

Additional information (for understanding results)_____

AIRBORNE SURVEYS

Type of survey(s)		
Instrument(s)	pe of survey)	
Accuracy	pe of survey)	•
Aircraft used		
Sensor altitude		
Navigation and flight path recovery method		
Aircraft altitude	Line Spacing	·····
Miles flown over total area	Over claims only	

GEOCHEMICAL SURVEY - PROCEDURE RECORD

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Total Number of Samples	ANALYTICAL METHODS		
Type of Sample (Nature of Material) Average Sample Weight	Values expressed in: per cent p. p. m. p. p. b.		
	Cu, Pb, Zn, Ni, Co, Ag, Mo, As,-(circle)		
Soil Horizon Sampled	Others		
Horizon Development	Field Analysis (tests)		
Sample Depth	Extraction Method		
Ferrain	Analytical Method		
···	Reagents Used		
Drainage Development	Field Laboratory Analysis		
Estimated Range of Overburden Thickness	No. (tests		
	Extraction Method		
	Analytical Method		
	Reagents Used		
SAMPLE PREPARATION (Includes drying, screening, crushing, ashing)	Commercial Laboratory (tests		
Mesh size of fraction used for analysis	Name of Laboratory		
	Extraction Method		
	Analytical Method		
	Reagents Used		
General	General		
<u></u>			

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March 27, 1987

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Your File: 86-100 Our File: 2.9710

Mining Recorder Ministry of Northern Development and Mines Whitney Block, Room 2548 99 Wellesley Street West Queen's Park Toronto, Ontario M7A 1W3

Dear Madam:

RE: Notice of Intent dated March 5, 1987 Geophysical (Electromagnetic & Magnetometer) Surveys on Mining Claims EO 781810, et al, in Clarendon Township

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

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

Yours sincerely,

J.C. Smith, A/Manager Mining Lands Section Mineral Development and Lands Branch Mines and Minerals Division

Whitney Block, Room 6610 Queen's Park Toronto, Ontario M7A 1W3

Telephone: (416) 965-4888

DK/mc cc: Clinton Kehoe R.R.#1 Tichborne, Ontario KOH 2V0

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

J.B. Boniwell 10 Hurtotario Street Mississauga, Ontario 15G 3G7

Resident Geologist Tweed, Ontario

Encl.

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Techn	ical	Assessment
Work	Crea	lits

	[#] ***2.9710	
Date	Mining Recorder's Report of	
March 5, 1987	86-100	

Northern Development and Mines	Ners Work Credits	Data	2.97
Dntario (March 5, 1987	No. 86-1(
Recorded Holder	Railan		<u></u>
Township or Area	CLINTON KEHOE		
	CLARENDON TOWNSHIP	·	
Type of survey and nu Assessment days credit	Imber of per claim	Mining Claims Assessed	
Geophysical	32 dave		
	20	E0 701010 to 10 inclu	o i vo
Magnetometer	<u> </u>	840479 - 80	sive
Radiometric	days		
Induced polarization	days		
Other	days		
Section 77 (19) See "Mining Claim	ns Assessed" column		
Geological	days		
Geochemical	days		
Man days			
Special provision (X)	Ground X		
Credits have been reduced been coverage of claims.	cause of partial		
Credits have been reduced been to work dates and figures of a	cause of corrections pplicant.		
pecial credits under section 77 (16) for the following mining claims		
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o credits have been allowed for	the following mining claims	ical data filed	<u></u>
- LIN	ECUTTING CREDITS REDUCED D	JE TO ONLY THE BASE LINE AND T	IE LINE
BEI	NG CUT. CREDITS WERE PROR	ATED OVER THE WHOLE CLAIM BLOC	к.

	THE TOWNSHIP
Miller Twp. (M.127)	
XIV XIII XII XI X VII VI V IV III II I/	CLARENDON
	COUNTY OF
	FRONTENAC
	SOUTHERN ONTARIO
	MINING DIVISION
	SCALE: 1-INCH=40 CHAINS
	LEGEND
	PATENTED LAND ● or ⑦ CROWN LAND SALE C.S.
	LOCATED LAND LOC. LICENSE OF OCCUPATION L.O. MILING DICHTS ONLY MOO
	SURFACE RIGHTS ONLY S.R.O. ROADS
	IMPROVED ROADS
36 0 I O I O I O I O I O I O I O I O I O I	POWER LINES CONTRACTOR OF MUSKEG
	CANCELLED C. TRAILS
$34 \qquad \bigcirc \qquad $	PATENTED S.R.O.
	NOTES
$32 \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc $	This Map Is Not To Be Used
	FOR SURVEY PURPOSES
	Lot And Concession Lines Shown Herean Are Projected From The Best Information Available,
	But Their True Position is Not Guaranteed, Far Official Survey Purposes Consult The Original Survey Plans And Field Notes Of
	Recards in The Ministry of Natural Resources.
27 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 =	400° surface rights reservation along the shores of all lakes and rivers.
	Flooded Lands Shown Thus:
	Flooding Rights Reserved On Cross Lake And Fawn Lake To Elevation 110.5'
	File: 126113.
	Thus:
Hinkirock Lake	islands in Clarendon Lake shown thus 🦇
	AREAS WITHDRAWN FROM STAKING
	S.H SURFACE RIGHTS M.HMINING RIGHTS Section Order No. Date Disposition File
	T Reserved for Poblic Use 5,8 87431
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