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GEOPHYSICAL REPORT

ON THE

McMillan Gold Mine Propert RECEIVED Mongowin Township Sudbury Mining District AUG 2 9 1988 Ontario, Canada

FOR MINING LANDS SEUTION Mill City Gold INC.

Prepared by: J. C. Grant Exsics Exploration Ltd. August ,1988





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Appendix A EDA OMNI PLUS Magnetometer System

Summary

The following information was taken by a report written by Ken Lapierre, HBSC, Report on the McMillan Gold Mine, Mongowin Twp, Sudbury Mining District, Ont., April 15, 1986.

The property consists of a block of 36 contiguous umpatented mining claims located in Mongowin Township, Concession III, lots 7 to 12 inclusive, Sudbury Mining District, Ontario, Canada. The Claim group is underlain by the Gowganda Formation and Lorrain Formation within the Huronian Supergroup. The Gowganda Formation hosts most gold deposits in the region.

Historical documents indicate that the McMillan Gold Mine Ltd. commenced shaft sinking in 1927 upon the successful completion of 5 surface holes drilled in 1926. All 7 levels opened up intersected gold bearing quartz veins. Diamond drilling below the 875' level intersected economic gold values over good mining widths. From August 13, 1934 to March 29, 1937, production totalled 10,590 ounces of gold from 60,139 tons of ore for an average recovered grade of 0.176 ounces/ton.

Recent observations from a program of underground sampling and geological mapping by Loki Resources Incorporated outlined 4 gold bearing vein systems of interest. First, the Lakeshore Pit Vein System ("H/C"Zone) returned an apparent grade of 0.245 oz/ton from stope panel samples located on the 750' level. Other levels recorded channel samples from trace up to 0.470 oz/ton over a 5.0' width and panel samples from trace up to 0.717

- 1 -

oz/ton. Secondly, the Fault/Shear Zone System ("D Zone) returned an average grade of 0.328 oz/ton over a 3.2' width and an undetermined length from the 525' and 625' levels. Thirdly, the "J" Zone Structure located on the 525' level, of this zone graded 0.203 oz/ton over a 3.8' width. Panel samples returned gold values from trace up to 1.44 oz/ton. Fourthly, Pit #2 Vein System returned no gold values of economic importance. Geological observations indicate that most gold bearing vein systems are associated with fault/shear zone environments and at pelite/quartzite contacts. The main "H/C" Zone appears to terminate against the northeast trending Fault/Shear Zone System. Its faulted extension may be the "J" Zone Structure.

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Introduction

A program of linecutting, Magnetometer survey and VLF-EM Survey was carried out on a group of 36 contiguous, unpatented mining claims in Mongowin Township for Mill City Gold Inc. The work was done jointly by Alquest Exploration Services and Exsics Exploration Limited, Timmins, Ontario, on a contract basis.

The purpose of the program was to detect and deliniate any conductive features such as shear and fault zones which would respond to the relatively high frequency VLF technique. The magnetic survey was designed to yield a high resolution plan of the magnetic susceptability which would aid in both structural and geological interpretation of the property.

This report then will deal with the survey procedures, results and interpretation of the program.

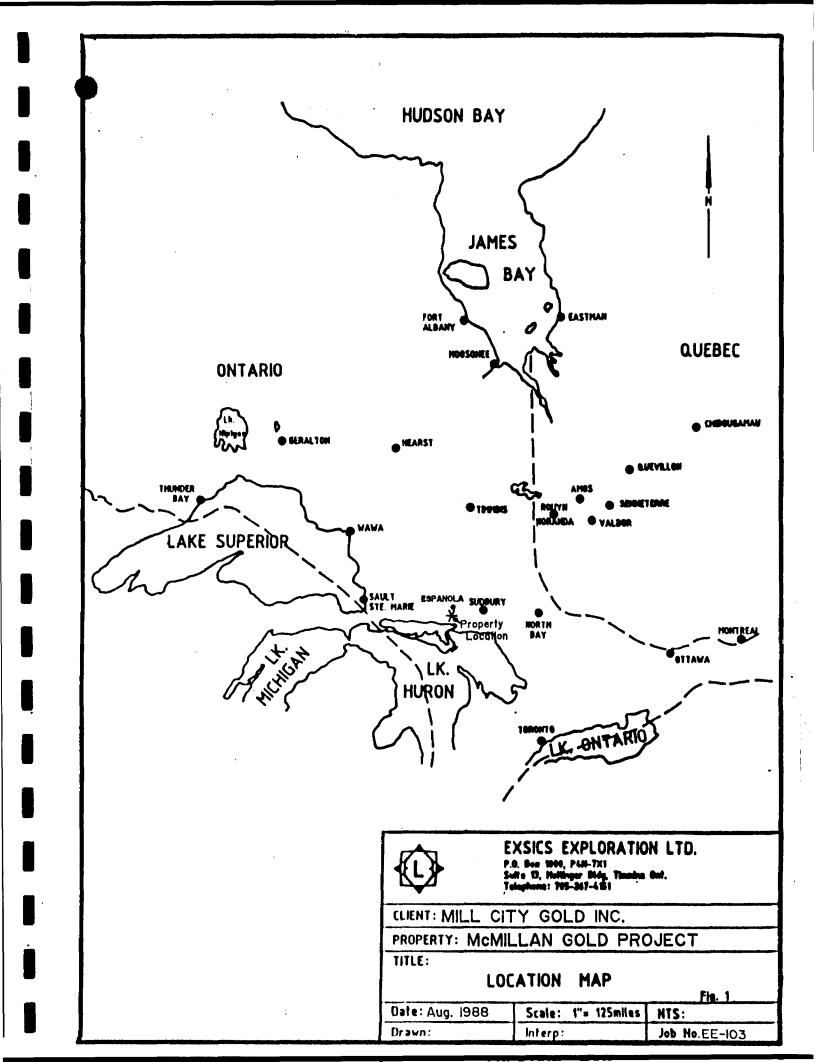
Reference is made to the property geology but a detailed correlation with the survey results will be done at a later date.

Location

The property is located in Mongowin Township, Concession III, in all parts of lots 7-12 inclusive, Sudbury Mining Division, Ontario at 46 degrees, 08 minutes north latitude, 81 degrees, 45 minutes longitude in the Township.

More specifically, Mongowin Township is located approximately 16 km southwest of Espanola and 75 km southwest of the City of Sudbury. (refer to figures 1 & 2 of this report)

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Access

Access to the property is west from Sudbury for 68 km along Highway #17, then south on Highway #6 for 20 km (through Espanola) to the waste disposal site turn off located on the west side of the highway. A bushroad then leads north for 1,000 feet, then proceeds 4 km west to the center of the claim group, House Lake and the McMillan minesite area. (figure 2)

Personnel

The following people were directly involved with the project during January and February, 1988,

Dan Rifou	Geophysical Operator	Sturgeon Falls, Ont.
John Penttinen	Geophysical Operator	Timmins, Ont.
Steve Anderson	Geophysical Operator	Timmins, Ont.
The work was sup	ervised by both J.C. G	ant & R.J.Meikle of

Exsics.

Claim Group

The group consists of 36 contiguous, unpatented mining claims located in Concession III, in all parts of Lots 7-12 inclusive of Mongowin Township, Sudbury Mining District, Ontario. No claim staker has been ascertained. The claim numbers are as follows:

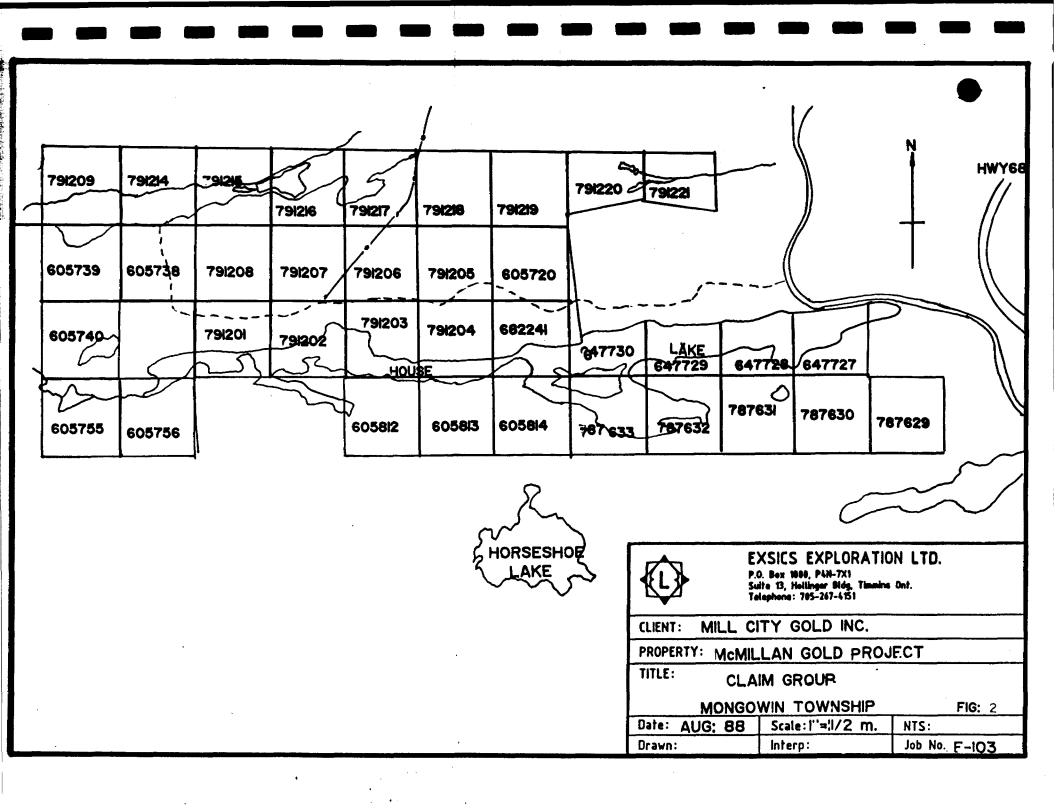
<u>Claim Number</u>	Date_Recorded	Township
S 605720	May 6/83	Mongowin
605738	Aug 29/83	**
605739	••	•••
605740	Mar 2/84	
605755	11	**
605756	et	79
605812	11	- 18
605813	51	
605814	••	ананан алан алан алан алан алан алан ал
647727	Feb 4/83	79
647728	ff	
647729	••	79
647730	64	79
682241	Feb 15/83	**
787629	May 7/84	
787630	** **	**
787631	91	**
787632	90	
787633	**	78

- 5 -

791201	Mar 2/84	
791202	**	11
791203	**	**
791204	"	**
791205	••	H
791206	11	89
791207	11	11
791208	••	Ħ
791209	Mar 16/84	H
791214	17	11
791215	n	**
791216	19 19	**
791217	59	**
791218	•	**
791219	••	**
791220	11	**
791221	19	77

Total claims in the group are 36.

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Geology

The following "Regional Geology" and "Local Geology" are taken from a report on the property by Ken Lapierre HBSC, dated April 15/1986 titled "Report on the McMillan Gold Mine, Mongowin Township, Sudbury Mining District, Ontario."

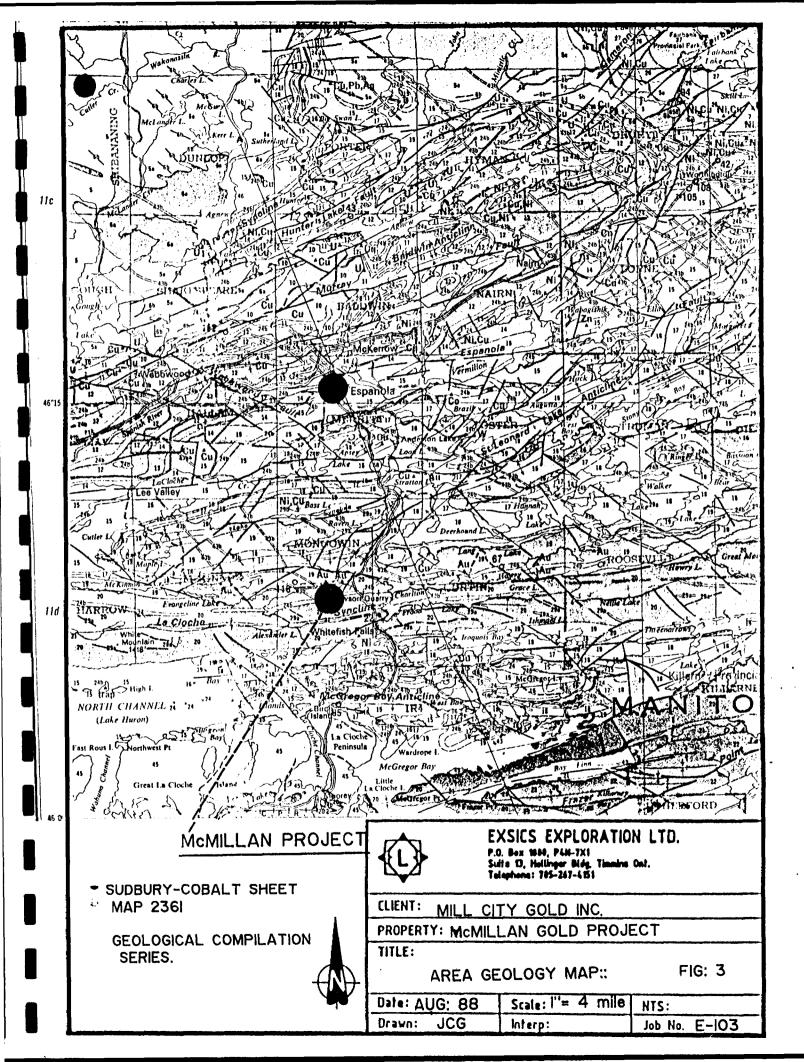
A) <u>Regional Geology</u>

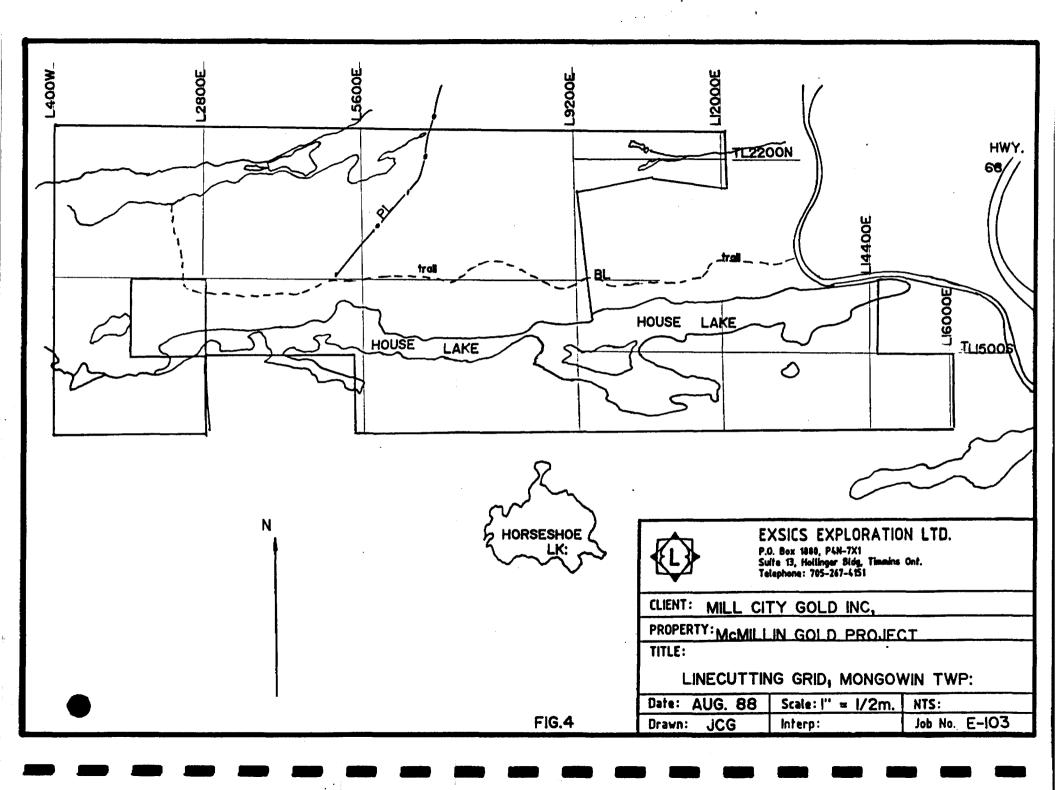
The geology of the Whitefish Falls and Espanola area consist predominately of Precambrian (Proterozoic) metasedimentary rocks that were later covered partially by unconsolidated Cenozoic deposits. The Precambrian rocks represent a 29,000 foot thick series of metasediments known as the Huronian Supergroup. This series of rocks are divided into 4 groups based on their cyclic evolution. From oldest to youngest the 4 groups are: Elliot Lake Group, Hough Lake Group, Quirke Lake Group and Cobalt Group. Each group generally represents a cyclic repitition of conglomerates, argillite(pelite) and sandstone(quartzite).

The Huronian Supergroup metasedimentary units were then intruded by sill-like bodies of Nipissing diabase, amphibolite dikes, ultramafic to granitic plutons then finally post tectonic diabase intrusions.

Structurally, the area lies within the Penokean fold belt of the Southern Province within the Canadian Shield. At least 3 series of deformational-metamorphic events altered the rocks in the region; 1) major east-west trending folds, 2) moderate eastwest to northeast trending folds, 3) minor northwest to northeast trending folds.

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Stratigraphic displacement of rock types range from tens of feet up to thousands of feet. Location of fault zones generally represent boundaries between structural domains. Faulting took place before, during and after the deformational-metamorphic events. At least 3 fault systems occur in the region; 1) major east-west trending faults possibly related to major east-west trending folds,2) northeast trending faults, 3) northwest trending faults.

Regionally, the Gowganda Formation hosts the environment for the accumulation of gold bearing fluids. Research indicates that gold is associated with structurally and stratigraphically controlled environments.

B) Local Geology

The geology of the claim group consist predominantly of Gowganda and Lorrain Formation metasediments of the Cobalt Group within the Huronian Supergroup. The north and central claims are underlain by rocks of the Gowganda Formation. These rocks are steeply dipping east-west trending conglomerates and alternating bands of pelite and quartzite. The southern claims are underlain by rocks of the Lorrain Formation. These rocks are steeply dipping east-west trending impure quartzites that form the ridges south of House Lake.

Several diabase and amphibolite intrusions cross-cut all rocks of the claim group. Structurally, the metasediments form the limb connecting the LaCloche syncline to the south with the Fox Lake anticline to the north.

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Gold ore at the McMillan property has generally been accepted as originating from a major anticlinal fold, trending northeast and plunging at 65 degrees. This mine fold is located east of the shaft under House Lake. The gold bearing quartz veins are apparently associated within and at the contacts of folded quartzite and pelite units in close proximity to diabase sills and dikes. Gold occurs in this native state and intimately associated with arseno-pyrite, pyrite, pyrhotite and chalcopyrite.

Survey Parameters

Magnetometer Survey

A total of 40 miles were surveyed using the proton precession method measuring the Earth's total magnetic field. The results, corrected for diurnal variation, were plotted in plan form and contoured to outline trends of lower and higher magnetic susceptibility. The survey was carried out using the following parameters:

Instrument: EDA Instruments OMNI Plus-Portable proton Precession Magnetometer

> EDA Instrument OMNI IV recording base station Sensistivity: +/- 1 nano tesla

Parameters Measured: Earth's total mangetic field in nano-teslas.

Diurnal Correction Method: Compatible recording base station using a sample interval of 30 seconds.

Reading interval: 100 feet

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Contour interval: 100 nano-teslas Data Presentation: Plan, Contoured EM, Scale-1"-200 Map 1-Sheet 1

VLF-EM Survey

The VLF method is a high frequency (relatively) EM technique which employs the use of VLF transmitting stations which operate world wide for submarine communications. The magnetic field generated from these vertical antenas is horizontal and concentric. This primary field will induce a secondary field in any conductor properly coupled with the station direction. The VLF-EM method measures the vertical component of the secondary field. Therefore a station should be chosen which is on strike with the expected strike of the conductor one is searching for. This is called Maximum Coupling and in reality stations up to 45 degrees off strike can be used. Because of the high frequency of this method, weak conductive features will be decteted, including some overburden features.

Therefore, interpretation of VLF data should be done discriminately and used in conjunction with other methods. Under some circunstances structural interpretation can be ascertained if some knowledge of the bedrock is available.

The VLF-EM survey was carried out using the following parameters:

Instrument EDA OMNI Plus, VLF Receiver Transmitter Station-Cutler Maine (NAA) Parameter Measured-In-Phase Dip Angles

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Frequency -24.0 Khz Direction to Station-115 degrees True North All readings taken facing-North Data Presentation - Plan Form: Dip Angles Scale = 1"-200' Profile Scale: 1 cm=20%

Survey Results

The magnetometer and VLF-EM surveys were successful in outlining numerous east-west trending conductive and magnetic anomalies. Some of the EM targets have coincident magnetic responses while others show little to no magnetic signature.

Most probably, some of the zones may be caused by surficial causes such as conductive overburden. Others may also be caused by creek and lake systems or swamp contacts.

The conductors have been labelled and will be discused separately and in alphabetical order throughout this report.

There are numerous, weaker, sub-parallel zones which have not been discussed or interpreted at this time.

Concuctor A

This zone represents a long formational type conductor striking in an east-northeast-east direction from Line 400W/900N to L9600E/2375N.

The zone appears to be contained in a swampy marsh-type environment which may relate to a fault structure and contact zone between the Gowganda Formation and Quirke Lake Group (refer to Map 2361, Sudbury-Cobalt Sheet, Geological Compilation Series, 1"-4 miles).

The magnetics for this feature were typical to the type of responses noted with fault structures and or contact zones. The magnetics show direct to flanking correlation all along the zones strike length.

<u>Conductor</u> B

This zone is also representative of a long formational type response closely parallelling the strike of zone A. This feature strikes from L4800E/1500N to L1200E/2600N where it continues off the grid to the northeast.

The magnetics show direct correlation with sections of the zone all along its strike length.

Another explanation of B may show that this zone actually terminates on line 9600E/1800N and that section of the zone between lines 10000E to 12000E may in fact be on extension of Zone A which has been faulted or sheared and shifted south.

Zone B may relate to a legitimate bedrock response possible graphitic horizons or sulphide lenses within the sediments.

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Conductor C & D

These two conductors closely parallel each other and may in fact relate to narrow graphitic or sulphide lenses within the sediments. Zone C strikes east-west across lines O/BL to L1200E/200S and amy in fact strike as far as lines 2800E/3700E. Because of the lack of information on claim 831744 this is only speculation at this time.

Zone D also strikes east-west across lines 400W/250S to L800/400S.

Neither of these zones have direct magnetic association however they appear to be between two magnetic trends which parallel the strike of the zones.

<u>Conductor E</u>

This zone again parallels the strike of Zones A & B but does not have the same uniformity as A or B.

The feature strikes northeast across lines 1600E/100N to L4400E/1000N and has good magnetic signature with its entire strike length.

The east end of the zone strikes into but not across a southeast striking magnetic trend which is probably representative of a diabase dike. This dike is well defined in the magnetic map and is also represented by conductor H of the VLF-EM plots.

Zone E most probably relates to a legitimate bedrock conductor composed of either graphitic or sulphide horizons within the sediments.

Conductor F

This structure is somewhat weaker on its west extension but is becoming quite strong as it strikes east into claim 831144. The zone, although spotty, probably strikes from LO/1400S to L1200E/1000S. There is no direct magnetic association with this feature

Conductor G

Zone G is also a weak, questionable source at this time. It may in fact relate to weak cross structure of unknown composition.

The zone strikes southeast across lines3200E/100N to 4400E/600S. There is no magnetic correlation with the feature where the east extension strikes up to but not into a moderate high feature.

Conductor H

As stated earlier, this feature appears to relate to a diabase dike feature striking southeast across lines 5000E/500N to 7600E/600S. This is good magnetic signature with the entire feature.

<u>Conductor I</u>

This feature strikes southeast across lines 56000E/100S to 6400E/525S and closely parallels Zone H and the suspected dike. There is a closely, north flanking mag high on line LW00E/200S with the remainder of the zone magnetically quiet.

The zone may be representative of a legitimate bedrock stringer type zone or the southwest edge of the dike.

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Conductor J

This feature strikes east-west across lines 6800E/650N to 7600E/675N where it appears to divide into two parallel zones striking across line 9200E/700N and 200N and off of the grid to the east.

There is no magnetic association with the conductor. The feature may relate to graphitic lenses within the sediments.

This zone strikes east-west across lines 800E/1650S to 2000E/1850S and has moderate to good magnetic association along its entire strike length.

It may in fact relate to a contact zone between the Gowganda and Lorrain Formations.

<u>Conductor L</u>

This feature also strikes east-west from lines 400W/2000S to 2800E/2050S and off of the grid to the east. The zone has moderate to good magnetic signature and may relate to a legitimate bedrock zone within the contact zone between the above mentioned two formations.

Conductor M

This feature represents another long formational type structure striking east-northeast across lines 5600E/1425S to 14400E/400S and off of the grid to the east. The entire zone is contained within House Lake and there is good magnetic signature with all of the strike length.

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This zone is most significant as it probably relates to the structure which is hosting the ore for the McMillan mine. K. Lapierre's report states Gold ore at the McMillan property has generally been accepted as originating from a major anticlinal fold, trending northeast and plunging at 65 degrees. This mine fold is located east of the shaft under House lake. If this information is accurate, then Zone M becomes the major target area.

Conductor N

This feature also strikes east-northeast across lines 5600E/2300S to 8800E/1750S. The western extension has no magnetic correlation, however, the eastern extension strikes into a good magnetic structure striking into Zone M.

This zone may represent a legitimate bedrock response possible sulphide lenses or shears within the sediments. <u>Conductor O</u>

This feature strikes Southeast across lines 9200E/1950S to 11600E/2700S and off of the grid to the southeast. There is some spotty mag highs with the zone. The strike of this zone may have been controlled by the presence of the diabase dike coming in to the northeast across lines 9600E/1600S to 10400E/2050S.

<u>Conductor P</u>

This feature strikes east-southeast across lines 10800E/2175S to 13600E/2550S and off of the grid to the southeast.

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The zone has no magnetic correlation but does strike off of the magnetic trend which represents the assumed diabase dike.

The zone may relate to a legitimate bedrock response possible graphitic or pyritic in nature.

<u>Conductor Q and R</u>

These two features strike east-northeast across lines 13600E/2250S to 16000E/2600S. They are contained within a moderate magnetic trend which is probably representative of the contact area of the Gowganda and Lorrain formations. The irregularity in the zones strike conformity may be due to minor NW-SE faulting and shearing along strike. The zones may relate to legitimate bedrock conductors.

Conclusions and Recommendations

The majority of the conductors have been lettered and described in this report. Several of the more weaker zones have not been discussed at this time.

All of the zones appear to be similar in that they relate to long formational type conductors usually associated with structural features such as faulting and as shearing, both being quite prevelant on the property as per K. Lapierre's report which has been quoted earlier in this text.

There has been no attempt by the author to make any of the zones priority save for zone M.

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There are several magnetic features which generally strike east-west to northeast with the odd trend striking southeast. These features correlate with possible shear and fault zones with the southeast trend representing diabase dikes.

The following are recommendations based on the magnetometer and VLF-EM results:

1) It is strongly recommended that the VLF data be filtered using Fraser's Method. This would result in a plan map outling the obvious conductor axis and other more subtle inflections which could be structurally important. Also the data can be correlated much easier with the magnetic and geologicall data available.

2) The results of both surveys should be closely correlated with all known geological data with emphasis on the areas of the two gold showings. If the geophysical results can be correlated with known geological contacts and shear zones, it will help extrapolate the same in areas of unknown geology.

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3) An Induced Polarization survey is recommended to test favourable areas along the various VLF conductor horizons. The extent of the I.P. coverage should be determined only after a geological correlation is carried out. A closely spaced 'a' spacing of 50 feet using a Dipole-Dipole array is recommended. If after recommendations 1 and 2, it is still unclear as to what areas should be detailed, a reconnaissance Gradient Array should be carried out over the more geologically favourable areas. This array is more cost effective for larger survey coverage and a limited Dipole-Dipole survey could be used to detail any interesting anomalies.

Respectfully submitted,



J. C. Grant C.E.T., F.G.A.C.

Geophysicist,

Exsics Exploration Ltd.

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References:

Lapierre, K. J. (1985)

Geological and Historical Report on the McMillan Gold Mine Claim Group, Mongowin Township-Sudbury Mining District, Ont., Canada. 23 P

Winter, L. D. S. (1984)

Geological Report on the MnMillan Gold property, Mongowin Twp, District of Sudbury for Sanfred Resources Ltd. 23 F.

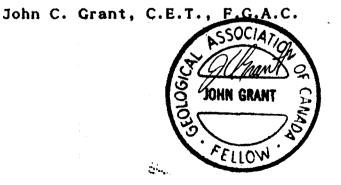
Geological Compilation Series: Sudbury-Cobalt sheet scale 1"-4 miles. Map 2361

CERTIFICATE OF QUALIFICATIONS

I, John Charles Grant do hereby certify:

- that I am a geophysicist and reside at Lot 2 Martineau Avenue, Kamiskotia Lake, Timmins, Ontario.
- 2. that I am a Fellow of the Geological Association of Canada.
- 3. that I am a member of the Certified Engineering Technologist Association.
- 4. that I graduated from Cambrian College of Applied Arts and Technology, Sudbury Campus in 1975 with an Honour's diploma in Geology Technology.
- 5. that I have practised my profession continuously for 13 years.
- 6. that my report on McMillan Gold Mine Property, Mongowin Township,MILL CITY GOLD INC.is based on work carried out under my supervision.
- 4. I hold no specific or special interest in the described property. I have been retained as a Consulting Geophysicist for "the property".

Dated this 15th day of Aug,1988 at Timmins, Ontario



i. APPENDIX A

States and the



Major Benefits of the OMNI PLUS

- Combined VLF/Magnetometer/Gradiometer System
- No Orientation Required
- Three VLF Magnetic Parameters Recorded
- Automatic Calculation of Fraser Filter
- Calculation of Ellipticity
- Automatic Correction of Primary Field Variations
- Measurement of VLF Electric Field

	:	
Specifications Synamic Range	18,000 to 110,000 gammas. Roll-over display feature	
	suppresses first significant digit upon exceeding 100,000 gammas.	
	Tuning value is calculated accurately utilizing a specially developed tuning algorithm	
	\pm 15% relative to ambient field strength of last stored value	
Display Resolution		
atistical Error Resolution		
Absolute Accuracy	± 1 gamma at 50,000 gammas at 23°C	
Bandard Memory Capacity	± 2 gamma over total temperature range	
Total Field or Gradient	1,200 data blocks or sets of readings	
Tie-Line Points Base Station		
play	Custom-designed, ruggedized liquid crystal display with an	
· •	operating temperature range from –40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal decay rate and signal amplitude monitor and function descriptors.	
1 232 Serial I/O Interface	2400 baud, 8 data bits, 2 stop bits, no parity	
Gradient Tolerance Test Mode	6,000 gammas per meter (field proven)	
	A. Diagnostic testing (data and prògrammable memory) B. Self Test (hardware) Optimized miniature design, Magnetic cleanliness is	
Gradient Sensors	consistent with the specified absolute accuracy. 0.5 meter sensor separation (standard), normalized to	
	gammas/meter. Optional 1.0 meter sensor separation available. Horizontal sensors optional.	
Sensor Cable	Remains flexible in temperature range specified, includes strain-relief connector	
Caling Time (Base Station Mode)	Programmable from 5 seconds up to 60 minutes in 1 second increments	
	-40°C to +55°C; 0-100% relative humidity; weatherproof	
	Non-magnetic rechargeable sealed lead-acid battery cartridge or belt; rechargeable NiCad or Disposable battery cartridge or belt; or 12V DC power source option for base station operation.	
Battery Cartridge/Belt Life	2,000 to 5,000 readings, for sealed lead acid power supply, depending upon ambient temperature and rate of readings	
Weights and Dimensions		
Instrument Console Only		
Cad or Alkaline Battery Cartridge		
Lead-Acid Battery Cartridge	1.8 kg, 235 x 105 x 90mm	
ad-Acid Battery Belt		
Gradient Sensor	1.2 kg, 56mm diameter x 200mm	E D A Instruments Inc. 4 Thorncliffe Park Drive
(0.5 m separation - standard)	2.1 kg, 56mm diameter x 790mm	Toronto, Ontario Canada M4H 1H1
adient Sensor	2.2 kg, 56mm diameter x 1300mm	Telex: 06 23222 EDA TOR Cable: Instruments Toronto
	Instrument console; sensor; 3-meter cable, aluminum sectional sensor staff, power supply, harness assembly, operations manual.	(416) 425 7800 In U.S.A. E D A Instruments Inc.
se Station Option	Standard system plus 30 meter cable	5151 Ward Road Wheat Ridge, Colorado
Gradiometer Option	Standard system plus 0.5 meter sensor	U.S.A. 80033 13031 422 9112
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	- Radiometric	20		605739			791221	
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and enter total(s) here	- Electromagnetic			605 814				
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	- Other			791203				
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	Geochemical			791205				
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Name and Postal Address of Person Certifying

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MAGNETOMETO Claim Holder(s) MILL CITY C	SE & VLF	-EM	(grou	ind)	MON	GOWIN	TWP	
	CALD INC		2.	115	52	Prospector's Lice	ince No.	
1 Address								
850-11012 M	ACLEDD T	RAL	S. C.	ALGARY	ALTA	T2J	6A5	
15urvey Company				Uate of Survey	(Trom & to)	Total	Miles of line Cut	·
EXSICS EXP		LIM	ITED	0/ 02 Day Mo.	V. 38, 9	2, 8,8 5	.2 miles	:
Name and Address of Author (of								
J.C. GRANT, F							<u> </u>]
Credits Requested per Each C		Days per		aims Traversed (Expend.	rical sequence) Mining (Claim E	pend.
	Geophysical	Claim	Prefix	Number	Days Cr.			vs Cr.
For first survey: Enter 40 days. (This	- Electromagnetic	40		787629				
includes line cutting)	- Magnetometer	20	Section 2.					
	-			787630	├ ───┤			
For each additional survey: using the same grid:	- Radiometric		1 Q	787631	 	1		
Enter 20 days (for each)	- Other			787632				
	Geological			787633				
	Geochemical							
Man Days		Days per						
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Complete reverse side and enter total(s) here	- Electromagnetic							
	- Magnetometer							
					┼───┤	and the second		
• •	- Radiometric							
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	Geochemical							
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to Airborne Surveys.	Magnetometer			SUDBU	by 1			
	Badiometric			MINING DI				• • •
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Type of Work Performed	er stripping/							•
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Performed on Claim(s)				8 9 10 11 12 1 2	13141516			
				01217017919-1416	121210			
					\$ 3.21	/┲──		.
Calculation of Expenditure Days	Credits			· · · · · · · · · · · · · · · · · · ·]			
Total Expenditures	-	Total s Credits	1 11					
\$] + [15] = [Total number o	f minice	
						claims covered l report of work.		•
Instructions Total Days Credits may be ap	oportioned at the claim f	older's		F 0//- 11 /	<u></u>	7		
choice. Enter number of days in columns at right.	•			For Office Use C		Mining Recorder		
			Recorded			U.C.V	A Ules	
Dete/ Rec	corties Halder or Agent (Signature)	300	Date Approved		BALLER PROPERTY		
1449.19/88 ×	hets Wy	nter		3/Aug	JON 1	un	Rever-	
Certification Verifying Repo		ENT.		<u> </u>		101		~
I hereby certify that I have a or witnessed same during and					of Work anne:	ked hereto, having	performed the wo	ork
Name and Postal Address of Per	son Certifying					-		
L.D.S. WINTE	R; NORN	IN R	ESOURC					E,,
SUDDINGU ALT	74.210 , P3			Date Certified	10/00	Corridied ports	inesore) -	
SUDDURT ONT.	ARIO, F3	<u>- 32</u>		Meg.	11/00	KET I	mul	-



Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

September 26, 1988

Your File: Our File : W8807-171 2.11552

Mining Recorder Ministry of Northern Development and Mines Bag 3000 200 Brady Street, 6th Floor, West Tower Sudbury, Ontario P3A 5W2

ONTANO GEOLOGICAL BURVEY ASSESSMENT FILES OFFICE OCT 13 1988 RECEIVED

Dear Sir:

RE: Notice of Intent dated September 9, 1988. Geophysical (Electromagnetic & Magnetometer) Survey on Mining Claims S 605738 et al in the Township of Mongowin.

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,

W.R. Cowan, Manager Mining Lands Section Mines & Minerals Division

Whitney Block, Room 6610 Queen's Park Toronto, Ontario M7A 1W3 Telephone: (416) 965-4888 *RM* RM:sc

- cc: Mill City Gold Inc. 850-11012 MacLeod Trail S. Calgary, Alberta T2J 6A5
- cc: L.D.S. Winter Norwin Resources Ltd 560 Notre Dame Avenue Sudbury, Ontario P3C 5L2
- cc: Exsics Exploration Limited P.O. Box 1800 Timmins, Ontario P4N 7X1 Attention: J.C. Grant

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

cc: Resident Geologist Sudbury, Ontario Ministry of Northern Development and these **Technical Assessment** Work Credits

Ontario

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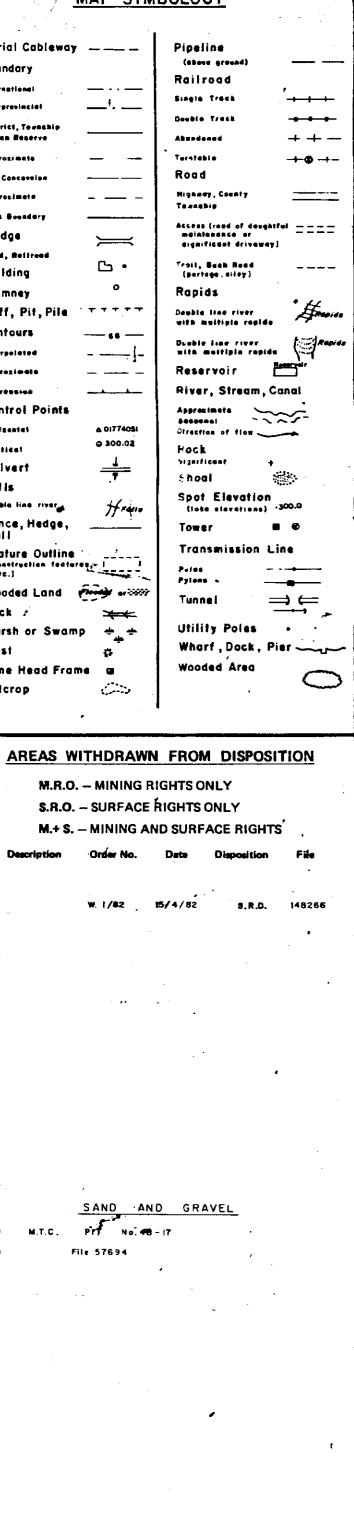
File
2.11552
Mining Recorder's Report of
1988 W8807-171

Recorded Holder Mill City Gold Inc	· <u>···</u>			
Township or Area- Mongowin Twp.				
Type of survey and number of			· · · ·	Mining Claims Assessed
Assessment days credit per claim Geophysical				wanny Ceans Astered
Electromagnetic days			740	inclusive
Magnetometer 20 days		to		inclusive inclusive
Radiometric days				inclusive
Induced polarization				•
Other days				
Section 77 (19) See "Mining Claims Assessed" column				
Geological days			•	
Geochemical days				
Man days Airborne				
Special provision 🕅 Ground 🕅				
Credits have been reduced because of partial coverage of claims.				
Credits have been reduced because of corrections to work dates and figures of applicant.				
Special credits under section 77 (16) for the following n	pining claime			• •
	initial Cidinia			
10 Days Magnetometer S605755				
No credits have been allowed for the following mining c	laims			
not sufficiently covered by the survey] insufficient tec	hnica	i data i	filed
The Mining Recorder may reduce the above credits if necessary exceed the maximum allowed as follows: Geophysical - 80; Geo				r of approved assessment days recorded on each claim does not

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Ministry of Northern Development	nt Report of We	ork		NT NO.	structions: —		e or print. r of mining claim	s traversed
and Mines	(Coophysical (Geological	DOCOM	.171		exceeds sp	bace on this form, a	ttach a list.
Ontario (Geochemical a	nd Expend	W88U		14046	"Expendit	ures" section may Expresel, Days Cr.	be entered
· · · · · · · · · · · · · · · · · · ·			Mining	y Act	-		shaded areas below	
Type of Survey(s)	- Cam	ا به سال		:	Township			
Claim Holder(s)	TER (910	una)	155	9170	Prospecto	V/Y r's Licence No.	
MAGNETOME Claim Holder(s) MILL CITY	GOLD IN	'c. 🐔	•• 1	100	~	1 1	1647	
Address						1		
850 - 11012 Survey Company	MACLEOL	D TR	AIL S	., CALG	KY, A	274.,		
EXSICS EXP	NARATIAN	IMI	7777)	Date of Survey		z 88	Total Miles of line 34.8	Cut
Name and Address of Author (o		-// //		Day Mo.	Yr. Day I	Mo. Yr.	37.0	
J.C. GRANT	, P.O. BOX	1880	, TIM	MINS, O	NTAR	10, 1	PAN 7X	/
Credits Requested per Each C	Claim in Columns at r			laims Traversed (1				
Special Provisions	Geophysical	Days per Claim	Prefix	lining Claim Number	Expend. Days Cr.	Prefix	lining Claim Number	Expend. Days Ci.
For first survey:	- Electromagnetic		S	605738		S	791220	
Enter 40 days. (This includes line cutting)	- Magnetometer	20		605739			791221	
	- Radiometric	20				No. 3	111221	· · · ·
For each additional survey: using the same grid:	+ hadiometric			605740				
Enter 20 days (for each)	- Other			605 755				
	Geological			605756		م الروانية المقمو الم		
	Geochemical			605812				
Man Days	Geophysical	Days per		605 813	 :			
Complete reverse side		Claim]			
and enter total(s) here	- Electromagnetic			605 814				
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MINING LAND	Geological C CECTION			791204		1		
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Note: Special provisions	Electromagnetic			791207	٦	SU	DBURY.	
to Airborne Surveys.	Magnetometer			79/208		ber	EEIVE	D .
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Performed on Claim(s)				791 216			13	20 pm
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Calculation of Expenditure Day	s Credits	Total		791 218				
Total Expenditures		s Credits	1 8 9 S 1 G	79/219			J	
\$	÷ 15 =						mber of mining	
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Total Days Credits may be an choice. Enter number of day				For Office Use C	Doly]		
in columns at right.	•		Recorded	august	22/00		C 111-00	
Date 1 Be	corded Halder or Agent I	Signature)	1 Fre				C, M Ju	<u>)</u>
Hee 19/88	LAS/1r	nte	500		•		temen	/.
Certification Ventying Repo	ort of Work AG	ENT.			RM			
I hereby certify that I have a					of Work anne	xed hereto,	having performed t	he work
or witnessed same during and Name and Postal Address of Per	can Cartifuing	·· · · · · · · · · · · · · · · · · · ·		<u> </u>				
L.D. S. WINTE SUDBURY, ON	Z, NORWIK) RE	SOURC	ES LTD.,	560	NOTR.	E DAME A	WE.,
SUDBURY, ON	VTARIO, P.	3C 54	22	Heig 1	9/88	KZ	5/100	te

MAP SYMBOLOGY

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