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1998 OPAP FINAL SUBMISSION

FOR THE

MANN PROJECT

MANN and DUFF TOWNSHIPS

PORCUPINE MINING DIVISION

NTS 42 A/NW

2.19475



November 18, 1998

Todd Keast



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INTRODUCTION

During October of 1998, an integrated exploration program was completed on Mr. Lenonard Hill's OPAP Mann Project. The exploration program was directed towards identifying nickel-copper sulphide (Ni-Cu) mineralization associated with the Mann Intrusive complex. The exploration program included linecutting, prospecting, mapping, horizontal loop electromagnetic (HLEM) surveys, and magnetometer surveys. A significant HLEM anomaly with a coincident magnetic anomaly has been identified on the Mann Project. The target is approximately 300 metres in strike length. The anomaly is overlain by clay overburden so the bedrock source is unknown. Based upon available outcrop exposure, previous diamond drilling, and the results of the magnetometer survey this conductor is a priority exploration target that should be diamond drill tested. In addition to the drilling a number of airborne anomalies situated outside the grid area should be evaluated. The proposed budget for this work is \$15,000.

PROJECT LOCATION

The Mann Project is located 47 km north of Timmins Ontario, in Duff Township and Mann Township, of the Porcupine Mining Division (Figure 1). The specific project location is enclosed on the following Table 1.

Table 1 Project Location

Area:	Timmins Area
Township:	Duff and Mann
Mining Division:	Porcupine
Claim Map:	G-3234 G-3537
NTS:	42 A/NW
Latitude:	48° 52'
Longitude:	81°02'
-	

ACCESS

The Mann Project is located 47 km north of Timmins, Ontario (Figure 2). Access to the property is along Hwy 11, approximately 14 km northwest of the Iroqouis Falls turnoff (highway 578). From this location travel west along an all-season gravel road for 19 km until you reach a bridge over the Frederick House River. This is the central portion of the Mann Project.



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LAND TENURE AND OWNERSHIP

The Mann Project consists of 19 claims covering 304 hectares. The claims are registered to Mr. Leonard Hill (100%) of South Porcupine, Ontario.

PROSPECTING TARGET

The prospecting target sought for is Ni-Cu massive sulphide deposit hosted within ultramafic flows and intrusions. Platinum and palladium are secondary exploration targets that may be associated with a layered ultramafic intrusion. The exploration model is that of Ni-Cu sulphide deposits of the Abitibi subprovince (Langmuir, Alexo, Montcalm). Ni-Cu sulphide deposits are generally associated with ultramafic and gabbroic volcanic rocks of both intrusive and extrusive nature. The Ni-Cu sulphide deposits are generally associated with a specific sulphide rich horizon, which is generally conductive due to the high sulphide content. A summary of Ni-Cu sulphide deposits from the Timmins Area is included in **Table 2**.

Deposit Name	Grade	Tonnes
Texmont	0.93% Nī, Cu N.A.	3,190,000
Langmuir (1&2)	2.09% Ni, 0.08% Cu	1,600,00
Alexo	4.5% Ni, 0.50% Cu	52,000
Redstone	2.39% Ni, 0.09% Cu	1,220,000
Montcalm	1.44% Ni, 0.68% Cu	3,560,000

Table 2 Ni-Cu Sulphide Deposits in the Timmins Area

REGIONAL GEOLOGY

The Mann Project is situated with the Mann complex of the Abitibi subprovince. It is located at the northwestern end of the belt of ultramafic/mafic intrusive and extrusive rocks included in the Stoughton-Roquemaure assemblage, as recognized by Jackson and Fyon (1991). The geology of Mann Township was mapped by Satterly (1959), and Hunt and Richard (1980), and included in the regional studies of Jensen and Langford (1985).

In addition to ultramafic and mafic intrusions, the major lithologies in the area are predominantly northwestly striking mafic metavolcanics accompanied by minor intermediate matavolcanics and interflow sediments. The Mann complex is folded along a west to northwest trending fold axes.

LOCAL GEOLOGY

The property geology is based upon work by government agencies, work in the area by previous operators, and a research paper by Good, Crocket, and Barnet (1997). Regional mapping and limited diamond drilling on the project (three holes) indicates the presence of ultramfic intrusions. Diamond drilling to the north of the project area has intersected anomalous Ni and Cu mineralzation in ultramafic flows, intrusions and sediments. The drill holes were planned to test conductive horizons. Anomalous Ni-Cu mineralization was reported in six diamond drill holes.

Research by Good, Crocket and Barnet on the central portion of the Mann Project concluded that "Clinopyroxenite in the mafic-ultramafic complex in Mann township apparantly crystallized from magma similar to that which formed sulphide bearing komattiite at the Ni-Cu Alexo Deposit". This research indicates that exploration potential exists for the development of Ni-Cu sulphide mineralization in the Mann Complex.

SUMMARY OF PREVIOUS EXPLORATION

Exploration work on the Mann Project is limited. Very little exploration work has been completed on the project. Mr. Len Hill has completed a total of 7 diamond drill holes on the property. The diamond drilling was focussed along several locations along the Frederick House River. The purpose of the drill holes were to evaluate the platinum group element and diamond potential of the property. Mr. Hill reported intersecting 1 diamond in drill core, and has panned several diamonds from the river. A number of sections of core which contain a silvery mineral are currently being assayed for platinum.

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Holmer Gold Mines Completed one diamond drill in 1973 to test a vertical EM anomaly. A summary of the hole is as follows:

From – To (feet)	Rock Type
0 - 40 ft	Casing
40-368.5	Peridotite
368.5 - 379.5	Ultramafic Porphyry
379.5 - 393.5	Peridotite
393.5 - 420	Ultramafic pyroxenite
420 - 499	Ultramafic Porphyry
499 – 550 (E.O.H.)	Peridotite

Mineralization to account for the VEM anomaly was not encountered in the drill hole. Plotting of the drill hole on the recently cut grid indicates that the hole was spotted south of the EM anomaly and possibly overshot the anomaly. Follow up work on the unexplained anomaly was not reported.

PROJECT JUSTIFICATION

The justification for the Mann Project is based upon two important features;

- The Mann Project is situated within the Mann Complex, which has recently been shown to have the same chemistry as ultramafics which host the Alexo Ni-Cu sulphide deposit.
- 2) Ni-Cu sulphide deposits are accumulations of semi-massive to massive sulphide minerals. They are conductive horizons that may be detected with EM geolphysical techniques. A number of airborne EM anomalies are located on the Mann project which have not been drill tested. A number of EM anomalies north of the Mann Project which have been tested intersected anomalous Cu and Ni mineralization.

2 009

1998 EXPLORATION PROGRAM

The 1998 exploration program on the Mann Project focussed on utilizing cost effective, proven field exploration techniques, geared towards identifying new exploration targets. The purpose of the program was to identify Ni-Cu sulphide targets, delineate their extent, and document the mineralization, alteration, and controls on mineralization.

A total of 10.225 kilometres of linecutting was completed at 100 metre spaced lines with picket stations established every 25 metres. The purpose of the linecutting was to provide a reference system for the prospecting, geophysics and geological programs. In addition the grid was intended to provide a framework for further work on the property.

The prospecting and mapping proved to be of limited effectiveness. Outcrop exposure was poor <1% (Map 1). The best exposure of bedrock is situated along the Frederick House River at the bridge crossing. The continuous outcrop exposure consists of peridotite, dunite, pyroxenite and gabbro. Sulphide mineralization was not identified. A total of six samples were collected for XRF and ICP analysis.

A total 9.225 km of HLEM surveys were completed, with 100 metre length cable and 25 metres spaced stations (Map 2, Map 3). The survey was intended to locate a number of airborne EM anomalies. The HLEM survey identified a significant EM anomaly on the central portion of the grid from L 15+00 E / 13+00 N to L 19+00 E / 11+75 N. The EM anomaly is located coincident with a strong airborne EM anomaly.

A total of 10.225 km of magnetometer surveys were completed, with readings taken at 25m spaced stations (Map 4). The survey identified a significant magnetic high horizon, which is coincident with the HLEM anomaly. Adjacent to this magnetic high feature is a strong magnetic low, which extends for approximately 300 metres.

A soil survey was planned for the project but due to the extensive clay cover, the survey was not completed. Clays are not a good medium for soil surveys.

RESULTS OF 1998 EXPLORATION PROGRAM

The results of the exploration program indicate encouraging Ni-Cu sulphide potential for the Mann Project. Mapping and prospecting and previous diamond drilling has identified ultramafic rocks typical of those associated with Ni-Cu sulphide deposits. Geophysical surveys have identified a significant HLEM anomaly with a coincident magnetic high feature. A strong magnetic low feature flanks the HLEM anomaly.

RECOMMENDATIONS

Further work is recommended for the Mann Project. Diamond drilling in conjunction with down-hole EM surveys should be utilized to evaluate the Cu-Ni sulphide potential of this property. The HLEM anomaly with coincident mag high/mag low feature should be tested. Additional deeper penetrating geophysics should be performed on a number of airborne anomalies not identified through the HLEM survey. The estimated cost of the proposed program is \$15,000.

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Appendix I

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ICP and XRF Certificates

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Established 1928

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-4294-RG1

Date: NOV-10-98

Company: T. KEAST Project: MANN OPAP Aun: T. Keast

We hereby certify the following Geochemical Analysis of 6 Rock samples submitted NOV-02-98 by .

Sample	Au	Au Check	Multi	WRA	
Number	PPB	PPB	Element	+ Minors	
35772	17	26	Results	Results	
35773	14	-	to	to	
35774	Ni l	← .	follow	follow	
35775	3	-			
35776	57	46			
35777	10	-			

One assay ton portion used.

In Certified by

1 Cameron Ave., P.O. Box 10, Swastika, Ontario POK 1T0 Telephone (705)642-3244 Fax (705)642-3300

Swastik: aboratories T. KEAST 1 Cameron Ave., Swastika, Ontario Report No. : 8W4294 RJ Attention: T. Keast PHONE (705) 642-3244 FAX (705) 642-3300 Date : Nov-12-98 Project: MANN OPAP State State State State													Swastika R J 98																	
Sample: Rock	Sample: Rock MULTI-ELEMENT ICP ANALYSIS									 Ծ																				
												Ac	jua Ro	egia E	Digest	ion														bonat
Sample Number	Ag ppm	Ai %	As ppm	Ba ppm	Ве ррт	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Z 0 pp
35772	<0.2	1.11	<5	20	<0.5	<5	0.33	1	31	2097	31	3.05	0.06	6.98	590	<2	0.02	126	5 0	<2	30	5	<10	7	0.01	39	<10	<1	43	0 0
35773	<0.2	1.28	<5	10	<0.5	<5	0.43	1	40	1912	26	3.44	0.04	10.41	620	<2	0.02	163	50	2	30	5	<10	7	0.01	41	<10	<1	49	
35774	<0.2	1.44	<5	10	< 0.5	<\$	0.15	<1	75	455	1	5.19	0.05	14.85	640	<2	0.01	1076	100	2	10	5	<10	2	D.02	31	<10	2	37	
35775	<0.2	1.58	<5	20	< 0.5	<5	0.65	<1	17	243	100	1.67	0.03	1.91	205	<2	0.04	51	40	<2	5	2	<10	17	0.02	26	<10	<1	12	
35776	<0.2	1.93	<5	60	<0.5	<5	0.75	<1	15	576	15	1.45	0.07	2.98	230	<2	0.05	58	20	<2	10	2	<10	40	0.01	14	<10	<1	15	•••
35777	<0.2	1.07	<5	10	<0.5	<5	0.48	<1	20	815	17	2.00	0.03	3.30	250	<2	0.02	74	40	<2	10	3	<10	2	0.02	26	<10	<1	15	7056423300

A 5 gm sample is digested with 10 ml 3:1 HCI/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed

86.21 ANN

Swastika Laboratories																										
T. KEAST I Cameron Ave., Jastika. Ontario Report No											t No	8W4294 RL														
Attention: T. Keas	Attention: T. Keast PHONE (705) 642-3244 FAX (705) 642-3300 Date											: Nov-12-98 🛱														
Project: MANN OPAP													х Qu													
Sample: Rock	Sample: Rock ICP Whole Rock Assay																									
										Fu	ision A	nalysi	is													b o r
Sample Number	SiO₂ %	AI ₂ O3 %	Fe ₂ O <u>3</u> %	CaO %	MgO %	Na ₂ O %	TiO₂ %a	K₂O %	MnO %	P2O5 %	LOI %	Ba ppm	Sr ppm	Zr ppm	Sc ppm	Y ppm	Be ppm	Co ppm	Cr ppm	Cu ppm	Ni ppm	V ppm	Zn ppm	Rb %	Nb ppm	Total C % 7
35772	51.18	2.81	7.15	8.03	23.96	0.11	0.06	0.07	0.19	0.05	5.92	20	30	<10	20	<5	<5	40	2970	25	205	70	<5	<0.01	<10	99.8 00
35773	47.30	2.92	6.77	10.45	25.49	0.07	0.08	0.05	0.18	0.02	6.34	20	20	<10	20	<5	<5	40	2480	20	175	65	50	<0.01	<10	99.9
35774	39.75	3.90	10.73	2.81	31.18	0.06	0.23	0.05	0.15	0.04	10.39	10	<10	10	10	5	<5	70	1445	<5	1145	75	15	< 0.01	<10	99.5
35775 35776	48.81 49.64	15.03	5.55 4.63	15.28 13.70	9.35 12.72	1.54 1.\$3	0.17	0.49	0.13 0.12	0.02	2.31 2.94	170 500	100 210	10 <10	30 30	5	<5 <5	20 20	630 2020	115	75 105	130 95	<5 <5	<0.01 <0.01	<10 <10	
35777	50.16	3.18	7.43	17.42	18.04	0.20	0.21	0.04	0. 19	0.03	2.27	10	10	10	45	5	<5	35	3070	<5	135	160	<5	<0.01	<10	7056423300 9.5

Sample is fused with Lithium Metaborate or Sodium Peroxide and dissolved with either HNO3 or HCI respectively

NDV

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Appendix II

Survey Procedure

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SPECIFICATIONS

Frequencies:	222,444,888,1777 and 3555 Hz.
Modes of Operation:	MAX: Transmitter coil plane and re- ceiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with refer cable.
	MIN: Transmitter collplane horizon- tal and receiver collplane ver- tical (Min-coupled mode). Used with reference cable.
	V.L. : Transmitter coil plane verti- cal and receiver coil plane hori- zontal (Vertical-loop mode). Used without reference cable, in parallel lines.
Coil Separations:	25,50,100,150,200 & 250m (MMI) or 100, 200, 300, 400,600 and 800 ft. (MMIF). Coil separations in V.L.mode not re- stricted to fixed values.
Paramaters Read:	- In-Phase and Guadrature compo- nents of the secondary field in MAX and MIN modes.
	 Tilt-angle of the total field in V.L. mode.
Readouts:	- Automatic, direct readout on 90mm (3.5") edgewise meters in MAX and MIN modes. No null- ing or compensation necessary.
	- Tilt angle and null in 90mm edge- wise meters in VL.mode.
Scale Ranges:	In-Phase: \$20%,\$100% by push- button switch
	Guadratura: ±20%, ±100% by push- button switch.
	Tilt: ±75% slope . Null (V.L.): Sensitivity adjustable by separation switch.
Readability:	In-Phase and Quadrature: 0.25 % to 0.5 %; Tilt: 1%.

 $\pm 0.25\%$ to $\pm 1\%$ normally, depending on conditions, frequencies and coll apparation used.

- 222Hz : 220Atm² - 444Hz : 200Atm² - 888Hz : 120Atm² - 1777Hz : 60Atm² - 3555Hz : 30Atm²

9V trans. radio type batteries (4) Life: approx. 35hrs. continuous duty (alkaline, 0.5 Ah), less in cold weather.

12V 6Ah Gel-type rechargeable battery. (Charger supplied).

Light weight 2-conductor teflon cable for minimum friction. Unshielded. All reference cables optional at extra cost. Please specify

Built-in intercom system for voice communication between receiver and transmitter operators in MAX and MIN modes, via reference cable.

Built-in signal and reference waming lights to indicate erroneous readings.

-40°C to +60°C (-40°F to +140°F).

6kg (13 lbs.)

13kg (29 lbs.)

Typically 60kg (135 lbs.), depending on quantities of reference cable and batteries included. Shipped in two field/shipping cases.

Specifications subject to change without notification.

8.0 SPECIFICATIONS

8.1 Magnetometry Specifications

Total Field Operating Range	20,000 to 100,000 nT (1 nT = 1 gamma).
Gradient Tolerance For Total Field:	±5000 nT/m.
Total Field Absolute Accuracy	±1 nT at 50,000 nT ±2 nT over total field operating and temperature range.
Resolution	0.1 nT.
Tuning	Fully solid-state. Manual or automatic mode is keyboard selectable.
Reading Time	2 seconds. For portable readings this is the time taken from the push of a button to the display of the measured value.
Continuous Cycle Times	Keyboard selectable in 1 second increments upwards from 2 seconds to 999 seconds.
Operating Temperature Range	-40°C to +50°C provided optional Display Heater is used below -20°C.

8.2 Sensor Options

In the following options the actual sensors are identical; however, mountings and cables vary.

Portable Total FieldIncludes sensor, staff, twoSensor Option2 m cables and backpack sensor
harness. Weight of sensor,
cable and staff is 1.9 kg.

MP: 8 - 1

	Staff is 30 x 600 mm collapsed and 1600 mm extended.				
Base Station Sensor Option	Includes sensor, tripod, 50 m cable external power cable and analog chart recorder cable. Weight of sensor, cable and tripod is 6.5 kg. Tripod is 540 mm collapsed, 1650 mm extended.				
Gradiometer Sensor Option	For use with the Portable Total Field Sensor Option, includes second sensor, cables and both a .5m and a lm staff extender. Combined weight of Total Field and Gradiometer Sensor options with staff, extender and cables is 3.5 kg.				



Declaration of Assessment Work Performed on Mining Land

Transaction Number (office use) Assessment Files Rese imeging

Mining Act, Subsection \$5(2) and \$5(3), R.S.O. 1990



ibsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Ac nent work and correspond with the mining land holder. Questions about this coliment 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)

Name	Leonard Edward	Hill (100%)	Client Number 144430
Address	122 Helen Aue		Telephone Number 1-705-235-973
	South Porcupine	Outaric, PONIHO	Fax Number
Name	· · ·		Client Number
Address			Telephone Number
			Fax Number

2. Type of work performed: Check (1) and report on only ONE of the following groups for this declaration.

Geotechnical: prospecting, assays and work under secti	surveys, on 18 (regs)	D Ph tre	ysical: drill nching and	ing strip I associ	oping, ated assays		Rehabilitation
Work Type line cutting	10.225 km					Office Us	5e
magictometer s	uncey 10.225	Lem			Commodity		
mapping & prospe	ting of Grid	km d.			Total \$ Value of Work Claimed	\$ 11.4	58
Dales Work From 15 Sept Performed Day Month	1998 To 10 Year Day	N N	oV ionth Year	1998	NTS Reference	,	
Global Positioning System Data (If available)	Township/Area	Jann	+ Duff	Tup's	Mining Division	tac	oPine
	M or G-Plan Number G:	3537	G-323	4	Resident Geologis District	it (M .

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 Todd Keast.	Telephone Number 1-705-235-2540
Address Box 147, South Porcupine, Ontario,	Fax Number 1-705-235-2991
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

4. Certification by Recorded Holder or Agent

Leonard

1.

Edward Hill , do hereby certify that I have personal knowledge of the facts set forth in (Print Name)

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 Recor	ded Holder or Agent \mathcal{I} \mathcal{E} . \mathcal{H}	ift-7	Date 1/ 22/99
Agent's Address	MAGARMAN	Telephone Number 235 - 5736	Fax Number
0241 (03/97)	APR 30 1999 10:45 AL AL PORCUPINE MINING DIVISION	2.19175	RECEIVED MAY 0 3' 1999 GEOSCIENCE ASSESSMENT OFFICE

5. Work to be recorded and distributed. Work can only land where work was performed, at the time work was performed. A map showing the contiguous link must accompa

form	۱.		·		4)9960	00193
Minin work minin colum	ng Claim Number. Or if was done on other eligible ng land, show in this nn the location number ated 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 o to be distribute at a future date
eg	TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg	1234567	12	0 -	\$24,000	0	0
eg	1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
19	1154627	1	-	4.00		
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19475 APR SO 1999 10:45 12 k PORCUPINE MINING DIVISION





Statement of Costs for Assessment Credit

I Fansacuon 19960.00193 1

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 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 collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontari 685.

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 C
Linecutting	11,32Km	\$ 325.00/Km	# 3.6
Magnetometer	10,275 Km	\$ IUDEd Ka	\$ 1.0
HLEM	10.275 Km	15 - 210/Km	\$ 2,4
Mapping / Prospection	11.32 Km	# 100/1cm	\$ 2,20
Assays	8 samples	# 25/ sample	\$ 20
Report / Drafting	4 days	\$ 250/day	1,00
Associated Costs (e.g. supplie	s, mobilization and demobilization).		
			\$ 35
	· · · · · · · · · · · · · · · · · · ·		
·			
Transpo	rtation Costs 2.10.		# 200
		5	
Eood and	Adaina Costa		
		· · · · · · · · · · · · · · · · · · ·	\$ 35C
Calculations of Filing Discounts: 1. Work filed within two years of perfor 2. If work is filed after two years and un Value of Assessment Work. If this s	RECEIVED MAY 0 3 1999 GEOSCIENCE ASSESSMENT I aimed atoreout of the above To p to five years after performance, it can only ituation applies to your claims, use the calc	alue of Assessment Work tal Value of Assessment Work y be claimed at 50% of the To ulation below:	<u> </u>
 TOTAL VALUE OF ASSESSMENT WO Note: Work older than 5 years is not eligib A recorded holder may be required to request for verification and/or correct Minister may reject all or part of the 	RK x 0.50 = le for credit. to verify expenditures claimed in this statem ction/clarification. If verification and/or corre assessment work submitted.	nent of costs within 45 days of ction/clarification is not made,	a the
Certification verifying costs: I, <u>Leonald</u> (please print full name) be determined and the costs were incur Declaration of Work form as RECENT	, do hereby certify, that the amounts sho red while conducting assessment work on t <u>CECC CECC</u> <u>Holder</u> reter sent, or state company position with signing authority) Signature	own are as accurate as may re he lands indicated on the acco I am authorized to make th Date	easonably ompanying is certificatio
0212 (03/97) APR 30 1999	~ <u>7.8.</u>	Arie Hpri	<u> 22/95</u>
. UNCOFINE MINING DIVIS			

Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines

June 1, 1999

LEONARD EDWARD HILL 122 HELEN AVENUE P.O. BOX 1022 SOUTH PORCUPINE, Ontario P0N-1H0



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

Telephone: (888) 415-9846 Fax: (877) 670-1555

Visit our website at: www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.19475

 Subject: Transaction Number(s):
 W9960.00193
 Deemed Approval

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

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. 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 Lucille Jerome by e-mail at lucille.jerome@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

- 120

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

Correspondence ID: 13827 Copy for: Assessment Library

Work Report Assessment Results

Submission Numbe	r: 2.19475				
Date Corresponden	ce Sent: June 01	, 1999	Assessor:Lucille Jerome		
General Comment:					
Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date	
W9960.00193	1154628	MANN, DUFF	Deemed Approval	June 01, 1999	
Section: 14 Geophysical MAG 12 Geological GEOL 14 Geophysical EM					
Correspondence to: Resident Geologist South Porcupine, ON	:		Recorded Holder(s) LEONARD EDWAR SOUTH PORCUPINI	and/or Agent(s): D HILL E, Ontario	
Assessment Files Lib Sudbury, ON	orary				







2.19475

200 0 100 metros

BL 10+00N Az 1250

Project Mann Hill **OPAP** 98 Len Geological Mapping 115,000 42 A M. M T.K. 198

Map 1



M			
-4076 - 2076 0 + 2076 + 4076 13 - 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10			
100 meter cable spacing In- Phase			
and the twee			
Quadrature			
Protile Scale cm = 20%			
Scale 1:5000			
© 50m (com 150m 250m 250m)			
Instrument : Apex MAXMINIE, SN 1204			
Mann Tup Project Porcupine Mining Division			
Ground Geophysical Survey -			
HLEM Maxmin II 1777 Hz.			
Scale 1:5000 NTS 424 NW Oct 1998			











58,000 subtracted from all reading Instrument: Scintrex IGS 2, MR4 SN. 8507254

Scale 1:5000

3 50m (00m (Son 200m 250m

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Mann Twp Project Porcupine Mining Division

Ground Geophysical Survey

Total Field Magnetics

Scale 1:5000 NTS 424 NW Oct 1998