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3:05 PM  
PORCUPINE MINING DIVISION

Lot 4  
Con II

T/L 2400 E

Lot 3  
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Lot 4  
Con I

Lot 3  
Con I

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GO 15-03

1034613

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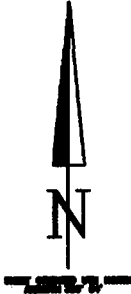
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42A11NE2007 2.19360 GOWAN

ASTRONOMIC



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FALCONBRIDGE LIMITED



Exploration Division

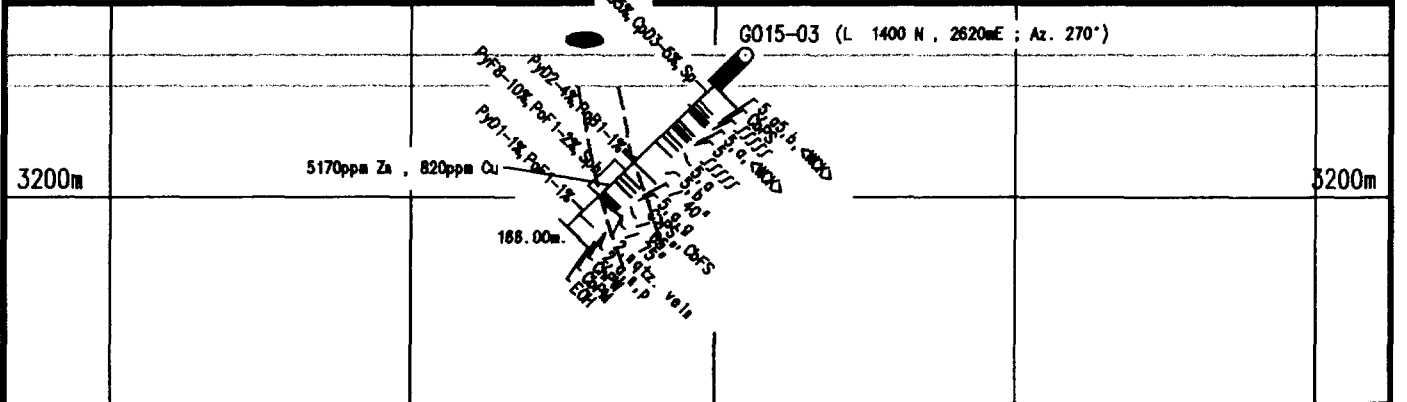
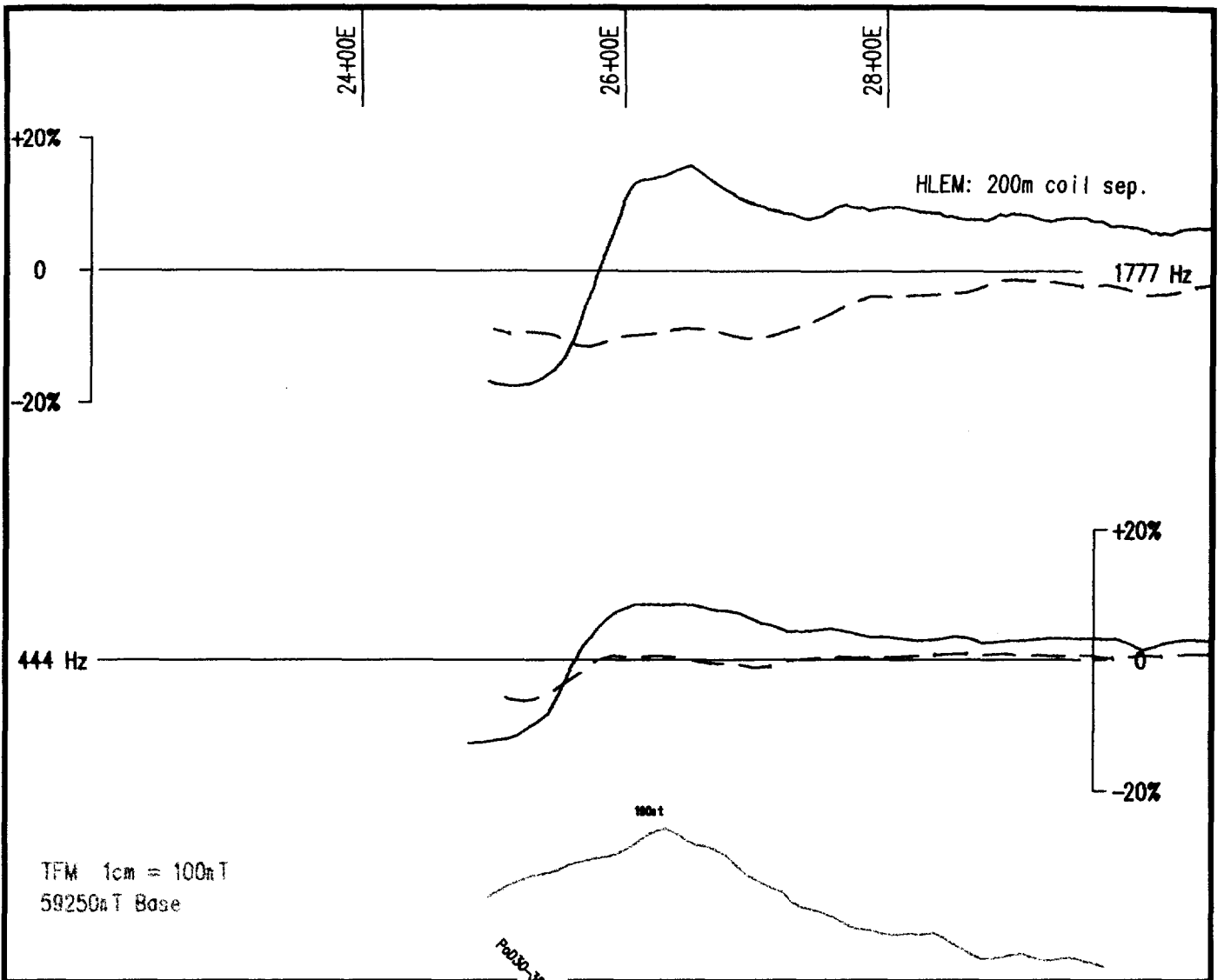
Timmins ONTARIO



GOWAN VMS PROJECT (GOWAN 15)

GOWAN TOWNSHIP

COMPILATION MAP

TRACED: PRODES	DATE: 12/95	NTB: 48-A/11	PROJECT: 6298
DRAWN: d e l	DATE: 06/04/98	MAP No:	FILE: 6298 L
SUPERVISED: D I British	DATE: 06/04/98	SCALE 1:5 000 (metres)	
REVISED:	DATE:	0 40 80 120 160	



<b>FALCONBRIDGE LIMITED</b>		
Exploration Division	Timmins ONTARIO	
<b>GOWAN VMS PROJECT (GOWAN 15)</b>		
<b>DIAMOND DRILL SECTION</b>		
<b>L 1400 N (G015-03)</b>		
LOOKING NORTH		GOWAN Twp.
TRACED: PRODES	DATE: 25/04/86	NTS: 42-A/14 & H/03 PROJECT: 8258
DRAWN: d o l	DATE: 25/04/86	MAP No: FILE: 8258 H
SUPERVISED: D I Brishin	DATE: 14/03/85	SCALE 1:5 000 (metres)
REVISED: P Oulsooy	DATE: 25/04/86	

1. MAIN ROCK DIVISIONS

- 15 Phanerozoic Sediments
- 14 Huronian Supergroup
- 13 Metamorphic (Unknown)
- 12 Gneiss
- 11 Schist
- 10 Diabase
- 9 Felsic Intrusive
- 8 Intermediate Intr. Rocks
- 7 Mafic Intrusive Rocks
- 6 Ultramafic Intr. Rocks
- 5 Sedimentary Rocks
- 5,s Sulphide (>40%)
- 4 Felsic Volcanic Rocks
- 3 Intermediate Volcanic Rocks
- 3,C Heterolithic Volcanic Rocks
- 2 Mafic Volcanic rocks
- 1 Ultramafic Volcanic Rocks

2. TEXTURAL/GEOCHEMICAL MODIFIERS

- |    |                         |   |                       |
|----|-------------------------|---|-----------------------|
| a  | Fine Grained            | A | Primitive (Y<20)      |
| b  | Medium Grained          | B | Evolved (Y>20<60)     |
| bx | Breccia                 |   |                       |
| c  | Coarse Grained          | C | Heterolithic          |
| d  | Quartz-Feldspar Phyrlic | D | Feldspar Phyrlic      |
| e  | Amygdaloidal/Vesicular  | E | Chert                 |
| f  | Primary Fragmentals     | F | Wacke                 |
| g  | Graphitic/Argillaceous  | G | Leucoxene Bearing     |
| h  | Tholeiitic              | H | Basaltic Komatiite    |
| i  | Alkalic                 |   |                       |
| j  | Calc-Alkalic            | J | Pyroxenite            |
| k  | Komatiitic              | K | Net Textured          |
| l  | Flows (banded)          | L | Peridotite            |
| m  | Massive                 | M | Dunite                |
| n  | Variolitic/Spherulitic  | N | Ophitic               |
| p  | Pillowed                | P | Porphyritic           |
| q  | Quartz Phyrlic          | Q |                       |
| r  | Oxide Iron Formation    | R | Polysutured           |
| s  | Sulphides, Exhalites    | S | Fractured             |
| t  | Pyroclastic             | T | Gabbroic Textured     |
| u  | High Mg                 | U | Pyroxene Spinifex     |
| v  | High Fe                 | V | Olivine Spinifex      |
| w  | High Al                 | W | Skeletal/Crescumulate |
| x  | Andesite                | X | Adcumulate            |
| y  | Icelandite              | Y | Mesocumulate          |
| z  | Highly Evolved (Y>60)   | Z | Orthocumulate         |

ROCK NAMES MUST HAVE ALL MODIFIERS COMMA DELIMITED AND CAN BE NO LONGER THAN 15 CHARACTERS, COMMAS INCLUDED. Example: 3,\*y,d,<DAC>,\*t

3. ALTERATION MODIFIERS

- Ab Albitization
- Bl Bleached
- C> Carbonaceous
- Cb Carbonatization
- Ch Chloritization
- Ep Epidotization
- F> Iron Carbonatization
- He Hematization
- K> Potassic Alteration
- Ka Kaolinitization
- Rs Rust Stained
- Se Sericitization
- Si Silicification
- Sr Serpentinization
- Tc Talc-Carbonatization
- Tk Talc

4. Textural./Structural MODIFIERS

- |     |                           |    |                              |
|-----|---------------------------|----|------------------------------|
| *a  | Tuff (67% <2mm)           | *n | Graded Bedding               |
| *b  | Lapilli Tuff (2-64mm)     | *o | Cross bedding                |
| *c  | Lapillistone (76% <264mm) | *p | Fault Gouge                  |
| *ct | Cataclastic               | *q | Augen                        |
| *d  | Block (>64mm)/Xenolith    | *r | Porphyroblastic              |
| *e  | Autoclastic/Hyaloclastic  | *s | Hornfels                     |
| *f  | Thickly Laminated         | *t | foliated/sheared             |
| *g  | Thinly Laminated          | *u | folded                       |
| *h  | Clast Supported           | *v | boudinage                    |
| *i  | Matrix Supported          | *w | fragmental (felsic>mafic)    |
| *j  | Granule (grit 2-4mm)      | *x | fragmental (mafic>felsic)    |
| *k  | Pebble (4-64mm)           | *y | Crystal Tuff (>50% of frags) |
| *l  | Cobble (64-256mm)         | *z | Lithic Tuff (>50% of frags)  |
| *m  | Boulder (>256)            |    |                              |

ALTERATION CODES

- | FORM     |                          |
|----------|--------------------------|
| S        | Spots                    |
| F        | Fracture/vein controlled |
| P        | Pervasive                |
| STRENGTH |                          |
| S        | Strong                   |
| M        | Moderate                 |
| W        | Weak                     |

Example: EpPW = Epidote,Pervasive,Weak

MINERALIZATION CODES

- | FORM |                          | PERCENTAGE |
|------|--------------------------|------------|
| D    | Disseminated/Blebs       |            |
| F    | Fracture/vein controlled |            |
| M    | Massive                  |            |
| B    | Bedded                   |            |
| C    | Clasts/Fragments         |            |

Numeric percentage, or percentage range (i.e. 1-3%), must always be specified

Example: CpB3% = Chalcopyrite, Bedded, 3%

5. MINERALOGICAL NAMES

Ak	Actinolite	Fc	Fuchsite	Pn	Pentlandite
Alb	Albite	Gn	Galena	Py	Pyrite
Al	Almandine	Gt	Garnet	Px	Pyroxene
Am	Amphibolite	VG	Gold	Po	Pyrrhotite
Ah	Anhydrite	Gf	Graphite	Qt	Quartz
Ad	Andalusite	GS	Gravel & sand	Ro	Rhodochrosite
Ay	Anthophyllite	Gyp	Gypsum	Ru	Rutile
Ap	Apatite	Hem	Hematite	Sur	Serpentine
Ar	Argentite	Hb	Homblende	Sc	Sericite
Asp	Arsenopyrite	Hy	Hypersthene	Sh	Scheelite
Asb	Asbestos	Il	Ilmenite	Sid	Siderite
Aug	Augite	I-F	Iron Formation	Sil	Silica
Az	Azurite	Jr	Jarosite	Slm	Silliminite
Ba	Barite	Ky	Kyanite	Sps	Spessartite
bi	Bismuthite	Ls	Limestone	Sph	Sphalerite
Bi	Biotite	Lm	Limonite	Ti	Sphene (Titanite)
Bo	Bornite	Mag	Magnetite	Ag	Silver
Ca	Calcite	Mc	Malachite	Sp	Spinel
Cn	Chalcedony	Ma	Marcasite	Spd	Spodumene
Cc	Chalcocite	Mi	Mica	St	Staurolite
Cp	Chalcopyrite	Mk	Microcline	Sb	Stibnite
Chl	Chlorite	Ml	Millerite	Sul	Sulphides
Ch>	Chloritoid	Mo	Molybdenite	S-M	Mass.Sulphides
Cr	Chromite	Mu	Muscovite	S-D	Diss.Sulphides
Cpx	Clinopyroxene	Ne	Nepheline	Tk	Talc
Co	Cobalt Minerals	Nc	Niccolite	Te	Telluride
Cv	Covellite	Ni	Nickel minerals	Tt	Tetrahedrite
Ct	Cordierite	Ov	Olivine	Ta-Cl	Tantalite-Columbite
Dp	Diopside	Or	Orthoclase	Tl	Tourmaline
Dol	Dolomite	Opx	Orthopyroxene	Tr	Tremolite
Epi	Epidote	Pl	Phlogopite	Wo	Wollastonite
Fel	Feldspar	Pg	Plagioclase	Zr	Zircon
Fl	Fluorite				

6. ROCK TYPE / PROTOLITH

<QFG>	Quartzofeldspathic	<PER>	Peridotite	<CHM>	Chem. Precip.
<QTZ>	Quartzite	<SER>	Serpentinite	<SLA>	Slate
<MAR>	Marble	<DUN>	Dunite	<KIM>	Kimberlite
<SKA>	Skarn(Calc-Silicate)	<PRX>	Pyroxenite	<CAR>	Carbonatite
<PHY>	Phyllite	<LMP>	Lamprophyre	<AMP>	Amphibolite
<TON>	Tonalite	<SST>	Sandstone	<MIG>	Migmatite
<SYN>	Syenite	<ARK>	Arkosic sandstone	<PEG>	Pegmatite
<GRA>	Granite	<WCK>	Graywacke	<LEU>	Leucocratic
<MON>	Monzonite	<CGL>	Conglomerate	<MEL>	Melanocratic
<GRD>	Granodiorite	<SLT>	Siltstone	<UNK>	Unknown Protolith
<APL>	Aplite	<ARG>	Mudstone-argillite	<UMF>	Ultramafic
<FEL>	Felsite	<EXH>	Chert/exhalite	<MAF>	Mafic
<QDI>	Quartz Diorite	<QIF>	Silicate IF	<AND>	Andesite
<GAB>	Gabbro	<OIF>	Oxide IF	<DAC>	Dacite
<NOR>	Norite	<SIF>	Sulphide IF	<RYD>	Rhyodacite
<ANT>	Anorthosite	<CIF>	Carbonate IF	<RHY>	Rhyolite
<DIO>	Diorite	<SHA>	Shale	<SCL>	Sulphide Clasts
		<LST>	Limestone	<RWV>	Reworked Volcanic Debris

7. HURONIAN SUPERGROUP

<i>Cobalt Group</i>	
BR	Bar River Formation
GL	Gordon Lake Formation
LR	Lorrain Formation
GW	Gowganda Formation
<i>Quirke Lake Group</i>	
SP	Serpent Formation
ES	Espanola Formation
BC	Bruce Formation
<i>Hough Lake Group</i>	
MS	Mississagi Formation
PC	Pecora Formation
RL	Ramsey Lake Formation
<i>Elliot Lake Group</i>	
MK	McKim Formation
MT	Matinenda Formation
SL	Salmay Lake Formation
DL	Dollyberry Formation
TH	Thessalon Formation
LC	Livingstone Creek Formation

8. PHANEROZOIC SEDIMENTARY FORMATIONS

MOOSE RIVER BASIN		TIMISKAMING OUTLIER	
MtFm	Mattagami Formation	ThFm	Thornloe Formation
LRFm	Long Rapids Formation	EtFm	Earlton Formation
WIFm	Williams Island Formation	WaFm	Wabi Formation
MIFm	Murray Island Formation	DPFm	Dawson Point Formation
MRFm	Moose River Formation	FrFm	Farr Formation
KwFm	Kwataboahagan Formation	BuFm	Bucke Formation
SRFm	Stooping River Formation		
SXFm	Sextant Formation		

MAIN ROCK DIVISIONS		Corel Draw- Pantone Spot Colours	Pencil Crayons - Berol Prismacolor
13	Metamorphic (Unknown)	Use Protolith Colour	Use Protolith Colour
12	Gneiss	Use Protolith Colour	Use Protolith Colour
11	Schist	Use Protolith Colour	Use Protolith Colour
10	Diabase	133 CV	941
9	Felsic Intrusive	198 CV	929
8	Intermediate Intr. Rocks	486 CV	928
7	Mafic Intrusive Rocks	307CV	919
	Diorite	307CV	919
	Gabbro	302CV	906
6	Ultramafic Intr. Rocks	235CV	932
5	Sedimentary Rocks		
	Generic	6CV	964
	Argillite/Wacke - 5f (5g)	6CV	964
	Graphite - 5g	Black	965
5,s	Sulphides/Exhalites -5s	200CV	922
4	Felsic Volcanic Rocks		
	Generic	4CV	915
	Flow - 4m, 4l	4CV	915
	Pyroclastic - 4t, 4f	4CV	917
3	Intermediate Volcanic Rocks	176CV	927
3,C	Dacite/Mixed Fragmental	176CV	927
2	Mafic Volcanic rocks		
	Generic - 2m, 2f, 2t, 2p	370CV	910
	High Alumina Basalt - 2w	370CV	910
	Andesite - 2x	375CV	913
	High Mg Basalt - 2u	271CV	920
	High Fe Basalt - 2v	446CV	909
	Icelandite - 2y	450CV	911
1	Ultramafic Volcanic Rocks		
	Generic - 1H, 1J, 1L, 1M,	225CV	932
	Dunite - 1M	225CV	932
	Peridotite - 1L	223CV	956
	Pyroxenite - 1J	311CV	920



FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 28.97	<OB > Casing Overburden					
28.97 TO 102.81	<5> Sedimentary	Massive looking argillite with minor greywacke units intermixed, 80% and 20% respectively.  #28.97-53.15#<5,a> Sedimentary fine grained, argillite. Good bedding developed 39°TCA. .5% white calcite veins displaying various angles TCA.  43.15-46.48 <5,b,<WCK>> Sedimentary medium grained, graywacke, good topping direction due to graded bedding (ie; uphole tops). Bedding angle changed from previous, 70°TCA.  #49.13-50.95#<FAI > Fault Broken core possible fault gouge.  #62.53-65.35#<5,a,<WCK>> Sedimentary fine grained, graywacke, possible uphole tops??  #67.63-68.15#<FAI > Fault Broken core, possible fault gouge.  #73.00-76.81#<5,a> Sedimentary fine grained, intercalated greywacke and argillite. Here we have a confliction of topping directions. Graded bedding indicating downhole tops and flame structures showing uphole tops.  #82.86-102.81#<5,b> Sedimentary medium grained, greywacke showing numerous argillite ripups. Graded bedding present again indicating uphole tops. Bedding present at 65° TCA. Minor crenulation cleavage present, but unmeasurable.		The entire unit is weakly carbonaceous with pervasive carbonate alteration associated seen in the greywacke units.  #43.15-46.48#<CBPS> strong, pervasive, carbonatization	Weak overall with localized blebs.  #35.12-35.16#<PoD30-35%, CpD3-5%, SphD1-1%> 30.0-35.0% disseminated/blebby pyrrhotite; 3.0-5.0% disseminated/blebby chalcopyrite; 0.5-1.0% disseminated/blebby sphalerite  #100.60-102.81#<PyD2-4%, PoB1-1%> 2.0-4.0% disseminated/blebby pyrite; 0.5-1.0% bedded/banded pyrrhotite. The pyrite is euhedral (.5cm diameter), while the pyrrhotite are smaller needle like controlled by bedding.	Sperry Sun test 40 meters dip=43.5 az=278.5

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
102.81 TO 135.52	<5,a,g> Sedimentary fine grained graphitic/a rgillaceous	Overall 10-15% carbonate and quartz veins, very small mm scale but locally up to 1.5cm diameter. This zone is very complex, many of the carbonate veins have been folded into "S" or "Z" folds. In particular where mineralization exists, giving boudinage pyrite crystals.  #112.85-116.78#<S0 40°> Bedding Outlined by thin greywacke beds, locally graded indicating uphole tops. Flame structures in the greywacke give evidence of uphole tops.  #121.00-131.00#<S0 65°> Bedding  #133.00-135.50#<S0 75°> Bedding		#102.81-135.52#<C>PS ,CbFS> strong, pervasive, carbonaceous alter.; strong, fracture/vein controlled, carbonatization. The alteration occurs as calcite (ie; turns red when carbonate stain is applied).	The mineralization occurs as two forms, vein controlled is predominant with minor blebs occurring.  #110.50-135.52#<PyP8-10%,PoF1-2%,SphD1-1%>  8.0-10.0% fracture/vein controlled pyrite; 1.0-2.0% fracture/vein controlled pyrrhotite; 0.5-1.0% disseminated/blebby sphalerite.	Sperry Sun test at 103 meters dip=44° az=259° Bad reading due to pyrrhotite veins akin to rearing. The entire unit is strongly conductive.
135.52 TO 166.00	<2,a,n,p> Mafic Volcanic fine grained variolitic/ spherulitic pillowed	Very large pillows and pillow selvages. Localized quartz veining upto 2.0cm diameter. Many large (1.5-2.0m) massive looking units, possibly the interior of a large pillow.  #135.52-135.97#<2,n> Mafic Volcanic variolitic/spherulitic, range in size from .50 to 3.0cm diameter.  152.30-152.76 <qtz. vein> Felsic Volcanic Large quartz vein with numerous axinite crystals throughout the vein.		Weak and pervasive.  #136.71-166.00#<ChPM> weak, pervasive, chloritization, seen most pronounced in pillow selvages but occurs throughout the unit.  #154.00-166.00#<CbPM> moderate, pervasive, carbonatization	Nil  #149.85-150.28#<PyD1-1%,PoF1-1%> 0.5-1.0% disseminated/blebby pyrite; 0.5-1.0% fracture/vein controlled pyrrhotite	Sperry Sun test at 160 meters dip=44° az=286°
166.00 TO 166.00	<EOH> End-Of-Hole					



Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppm	Sb ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AR02768	101.00	102.00	1.00	209	180	17	157	<2	0.5										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02769	102.00	103.00	1.00	217	452	73	272	<2	0.4										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02771	103.00	104.00	1.00	179	976	118	270	3	0.7										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02772	104.00	105.00	1.00	157	691	51	215	<2	0.4										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02773	105.00	106.00	1.00	124	515	29	248	<2	0.2										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02774	106.00	107.00	1.00	178	654	21	325	<2	0.3										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02775	107.00	108.00	1.00	136	277	18	105	<2	0.2										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02776	108.00	109.00	1.00	83	260	19	102	<2	0.2										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02777	109.00	110.00	1.00	54	240	8	68	<2	0.2										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02778	110.00	111.00	1.00	65	346	14	105	3	0.3										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02779	111.00	112.00	1.00	59	274	17	92	3	0.2										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02780	112.00	113.00	1.00	57	370	13	86	<2	0.1										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02781	113.00	114.00	1.00	88	502	22	107	<2	0.2										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02782	114.00	115.00	1.00	77	444	20	98	<2	0.3										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02783	115.00	116.00	1.00	107	741	34	142	<2	0.3										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02784	116.00	117.00	1.00	82	394	34	101	<2	0.2										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02785	117.00	118.00	1.00	118	626	35	132	<2	0.3										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02786	118.00	119.00	1.00	96	587	43	115	<2	0.3										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02787	119.00	120.00	1.00	91	598	30	110	<2	0.3										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02788	120.00	121.00	1.00	116	629	29	110	3	0.3										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02789	121.00	122.00	1.00	105	698	27	89	7	0.3										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02791	122.00	123.00	1.00	172	891	34	148	<2	0.5										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02792	123.00	124.00	1.00	208	1380	30	149	<2	0.5										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02793	124.00	125.00	1.00	243	1660	34	181	<2	0.7										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02794	125.00	126.00	1.00	922	2580	42	149	<2	0.8										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02795	126.00	127.00	1.00	186	1850	38	172	<2	0.7										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02796	127.00	128.00	1.00	600	2160	33	211	<2	0.6										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02797	128.00	129.00	1.00	241	2890	24	222	<2	0.5										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02798	129.00	130.00	1.00	232	1740	52	155	3	0.8										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02799	130.00	131.00	1.00	191	1640	56	135	10	0.8										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR02800	131.00	132.00	1.00	771	5200	101	171	7	1.4										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR03901	132.00	133.00	1.00	541	2350	39	146	<2	0.9										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR03902	133.00	134.00	1.00	507	2550	29	104	<2	0.6										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR03903	134.00	134.58	0.58	429	1410	16	138	<2	0.5										0.0	0.0	0.0	0.0	0.0	0.0	5,g	
AR03904	135.00	136.00	1.00	153	262	1	226	3	0.2										0.0	0.0	0.0	0.0	0.0	0.0	2,p	
AR03905	136.00	137.00	1.00	135	151	1	270	<2	0.3										0.0	0.0	0.0	0.0	0.0	0.0	2p	

Sample	From (M)	To (M)	Leng. (M)	SI02 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AR03418	139.00	142.00	3.00	51.26	16.58	7.57	4.18	4.17	0.78	8.39	0.68	0.10	0.27	0.07	6.70	100.75	22	68		65	70	220		2,p	3h	132
AR03419	163.00	166.00	3.00	51.75	16.69	8.51	4.21	3.24	0.06	9.72	0.69	0.10	0.25	0.08	5.60	100.90	22	52		65	75	250		2,p	3h	141

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AJ PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM	
AR03418	139.00	142.00	3.00						50		3300																			
AR03419	163.00	166.00	3.00						55		100																			

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AR03418	139.00	142.00	3.00																						0.54	0.46	53	30	17
AR03419	163.00	166.00	3.00																						0.51	0.51	59	27	23

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPM
AR03418	139.00	142.00	3.00			
AR03419	163.00	166.00	3.00			



Ministry of  
Northern Development  
and Mines

### Declaration of Assessment Work Performed on Crown Lands

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

Transaction Number (office use) <i>W9960.00134</i>
Assessment Files Research Imaging



subsection 66(2) of the Mining Act. Under section 8 of the Mining Act, this assessment work and correspond with the mining land holder. Questions about this form should be directed to the Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario N2S 2L7.

42A11NE2007 2.19360 GOWAN 900

- Instructions: - For work performed on mining lands, use form 0241.  
- Please type or print in ink

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

Name <i>Falconbridge Ltd.</i>	Client Number <i>130679</i>
Address <i>P.O. Box 1140 Timmins ON P4N 7H9</i>	Telephone Number <i>(705) 267-1188</i>
	Fax Number <i>(705) 267-8874</i>
Name	Client Number
Address	Telephone Number
	Fax Number

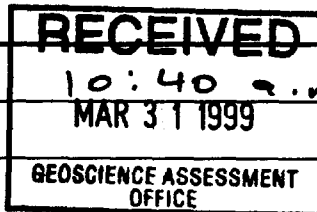
**2. Type of work performed.** Only regional surveys and prospecting work are allowed on Crown Lands before recording. For work performed after recording a claim or on other mining lands, use form 0241.

Work Type <i>Diamond Drilling, Geochemistry &amp; Assays</i>	Office Use
	Commodity
	Total \$ Value of Work Claimed <i>\$ 4232</i>
Dates Work Performed From <i>28 FEB 95</i> To <i>04 MAR 95</i>	NTS Reference
Global Positioning System Data (if available)	Mining Division <i>Porcupine</i>
Township/Area <i>GOWAN</i>	Resident Geologist District <i>Timmins</i>
M or G-Plan Number <i>G-3946</i>	

- Please remember to:
- 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;
  - provide proper notice to surface rights holders before starting work.

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

Name <i>Andre' Taillefer - Falconbridge Limited</i>	Telephone Number <i>(705) 267-1188</i>
Address <i>P.O. Box 1140, Timmins, ON P4N 7C3</i>	Fax Number <i>(705) 267-8874</i>
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number



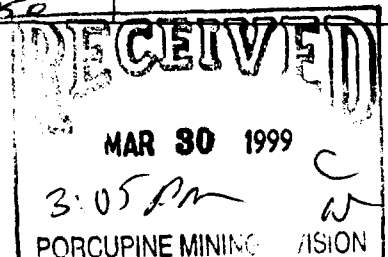
**4. Certification by Recorded Holder or Agent**

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

Signature of Recorded Holder or Agent <i>Andre' Taillefer</i>	Date <i>March 30/99</i>
Agent's Address <i>268 Jaguar Drive Timmins, ON P4N 7E2</i>	Telephone Number <i>(705) 268-4750</i>
	Fax Number

0240 (03/97) *Deemed on June 29/99*

2.19360



MAR 31 '99 10:10 FR GEOSCIENCE ASSESSMENT 7056705881 TO 917052678874

P.02/03

MAR 30 '99 15:25 FR MFD PORCLIPINE DIJ

705 235 1610 TO 017056705881

P.03/09

*Revised Copy*

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, for hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank Value of work to be distributed at a future date
08 TB 7827	16 ha	\$25,885	N/A	\$24,000	\$2,825
09 1234307	12	0	\$24,000	0	0
09 1234304	2	\$ 8,882	\$ 4,000	0	\$4,882
1 1034616	1	423.25	\$ 400.00	\$ 400.00	3052.25
2 1034613	1		\$ 400.00		
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		4232	800	400	3432

**RECORDED**  
MAR 30 1999

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

Signature of Recorder/Recorder Agent [Signature] Date March 30/99

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

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

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

**RECEIVED**  
MAR 31 1999  
GEOSCIENCE ASSESSMENT OFFICE

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

For Office Use Only

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

MAR 30 1999  
3:05 PM  
PRINCIPAL MINING DIVISION

**RECEIVED**  
MAR 30 1999  
GEOSCIENCE ASSESSMENT OFFICE

2.19860

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

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

May 12, 1999

FALCONBRIDGE LIMITED  
P.O. BOX 1140  
TIMMINS, ONTARIO  
P4N 7H9

Visit our website at:  
[www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm](http://www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm)

Dear Sir or Madam:

**Submission Number:** 2.19360

**Status**

**Subject: Transaction Number(s):** W9960.00134 Deemed Approval

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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](mailto:lucille.jerome@ndm.gov.on.ca) or by telephone at (705) 670-5858.

Yours sincerely,



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



# Work Report Assessment Results

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**Submission Number:** 2.19360

**Date Correspondence Sent:** May 12, 1999

**Assessor:** Lucille Jerome

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<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9960.00134	1034616	GOWAN	Deemed Approval	May 12, 1999

**Section:**  
16 Drilling PDRILL

**Correspondence to:**

Resident Geologist  
South Porcupine, ON

Assessment Files Library  
Sudbury, ON

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

Andre Taillefer  
TIMMINS, ONTARIO

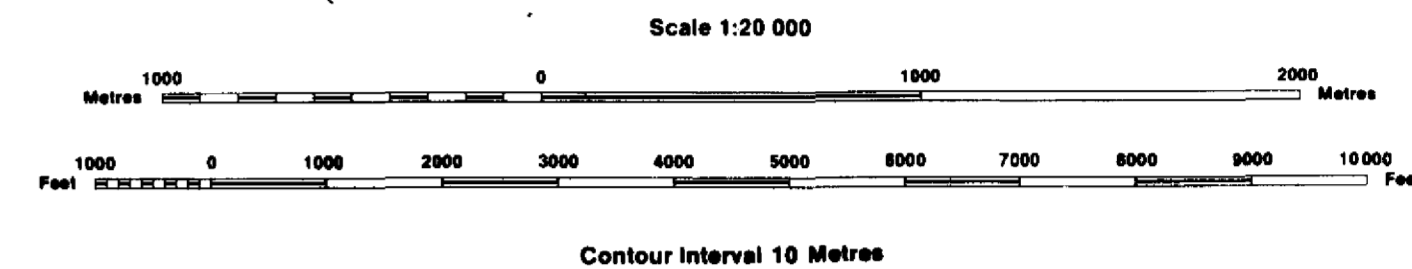
FALCONBRIDGE LIMITED  
TIMMINS, ONTARIO

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### INDEX TO LAND DISPOSITION

PLAN  
**G-3946**  
 TOWNSHIP  
**GOWAN**

M.N.R. ADMINISTRATIVE DISTRICT  
**TIMMINS**  
 MINING DIVISION  
**PORCUPINE**  
 LAND TITLES/REGISTRY DIVISION  
**COCHRANE**



#### AREAS WITHDRAWN FROM DISPOSITION

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

#### SYMBOLS

Description	Order No.	Date	Disposition	File
Boundary				
Township, Meridian, Baseline				
Road allowance; surveyed				
shoreline				
Lot/Concession; surveyed				
unsurveyed				
Parcel; surveyed				
unsurveyed				
Right-of-way; road				
railway				
utility				
Reservation				
Cliff, Pit, Pile				
Contour				
Interpolated				
Approximate				
Depression				
Control point (horizontal)				
Flooded land				
Mine head frame				
Pipeline (above ground)				
Railway; single track				
double track				
abandoned				
Road; highway, county, township				
access				
trail, bush				
Shoreline (original)				
Transmission line				
Wooded area				

**DATE OF ISSUE**  
 APR 30 1993  
 PROVINCIAL RECORDING  
 OFFICE - SUDBURY

#### NOTE

THIS TOWNSHIP LIES WITHIN THE MUNICIPALITY OF CITY OF TIMMINS

#### DISPOSITION OF CROWN LANDS

Patent	
Surface & Mining Rights	●
Surface Rights Only	○
Mining Rights Only	○
Lease	
Surface & Mining Rights	■
Surface Rights Only	□
Mining Rights Only	□
Licence of Occupation	▼
Order-in-Council	OC
Cancelled	⊖
Reservation	⊙
Sand & Gravel	⊙

ACTIVATED MARCH 10, 1993 BY D.C.

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources.

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only.

