

**Report on Diamond Drilling
Falconbridge Limited - Exploration**

Reid Township, Timmins, Ont.
Porcupine Mining Division

NTS 42A/14

June 7th, 2004

Prepared by:
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2. 27837



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REID

010

Diamond Drilling Assessment Report
Reid Twp., Porcupine Mining Division

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Jun 07, 2004



DETAILED LOG FALCONBRIDGE LTD.

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Hole Number: **RE54-07**

Units: METRIC

Project Name: Exploration	Location: Reid	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -55.00
Project Number: Explor	Section:	Grid: UTM: (P)	Grid: UTM:	Grid: UTM:	Collar Az: 180.00
Claim Number: P849225	Parent (if wedge):	North: 5402039.13	North: 5402039.13	North: -2140.00	Length: 228.01
Hole Type: Diamond Drill		East: 461807.50	East: 461807.50	East: -1700.00	Start Depth: 0.00
		Elev: 300.00	Elev: 300.00	Elev: 300.00	Final Depth: 228.01
Date Started: Jan 02, 2003	Collar Survey: N	Pulse EM Survey:	Multishot Survey: N	Contractor: BENOIT	
Date Completed: Jan 09, 2003	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Mine	
Date Entered: Mar 28, 2003	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: 57m NW & BW left in hole	
Logged By: DBS				Hole Size: BQ	

Comments: testing MegaTEM target
 -conductivity thickness: 12.0 seimens
 -conductor explained by semi-massive pyrrhotite-pyrite in an insitu-brecciated mafic volcanic from 119.62-135.63

Directional Data

Depth	Azimuth	Decimal	Dip	Decimal	Test Type	Flag	Comments
69.00	177.00		-55.00		UK	OK	
228.00	189.00		-53.00		UK	OK	

For Dave
Stevenson



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE54-07**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 57.00	(CAS) Casing/Overburden				
57.00 TO 119.62	<p>(2) Mafic Volcanic Rocks</p> <p>-fine grained massive to weakly silicified, weakly bleached, moderately chloritic variolitic mafic flow</p> <p>-varioles comprise 30% of the unit, range in size from <2mm to up to 1cm in diameter and consist of light green strongly silicified mafic volcanic? (rhyolite?)</p> <p>-the edges of many of the larger varioles are bleached for 1mm</p> <p>-insitu-brecciated intervals occur over narrow widths (<50cm) and generally consists of angular fragments ranging in size from <1cm to 3cm</p> <p>-unit may be locally pillowed?</p> <p>-unit is periodically cut by thin (<1cm) pyrite-bearing white quartz-calcite-chlorite veins and veinlets trending 45-55 deg TCA</p> <p>-mag. suscept.: 0.02-0.15, generally <0.05</p> <p>-unit lower contact sharp at 45 deg TCA</p>	<p>57.00 - 119.62: (IBX) Insitu Breccia</p> <p>57.00 - 119.62: (M) Massive</p> <p>57.00 - 119.62: (N) Variolitic/Spherulitic</p> <p>57.00 - 119.62: (A) Fine Grained</p>	<p>57.00 - 119.62: (LCTSHP) Lower Contact - Sharp.</p>	<p>57.00 - 119.62: (SI) Silicification, (W) Weak, (P) Pervasive</p> <p>57.00 - 119.62: (CC) Calcite (Calcitic Alt.), (M) Moderate, (FV) Fracture/Veined controlled</p> <p>57.00 - 119.62: (BL) Bleached/Bleaching, (W) Weak, (S) Spots/Mealy</p> <p>57.00 - 119.62: (CC) Calcite (Calcitic Alt.), (M) Moderate, (P) Pervasive</p> <p>57.00 - 119.62: (CHL) Chloritization, (M) Moderate, (P) Pervasive</p>	<p>57.00 - 119.62: 0.5% (PY) Pyrite, (FV) Fracture/Veined Controlled</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE54-07**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
119.62 TO 135.63	<p>(2) Mafic Volcanic Rocks</p> <p>-fine grained light grey to light brown massive to weakly insitu-brecciated, weakly bleached, weakly calcitic, moderately silicified carbonaceous pyrrhotite-pyrite-rich mafic flow -unit consists of a massive weakly bleached mafic flow that host abundant disseminated pyrrhotite and pyrite that is weakly insitu-brecciated -haphazard insitu-brecciated intervals are filled with white to dark grey to black siliceous carbonaceous to quartz-calcitic material in association with abundant semi-massive to massive pyrrhotite and pyrite</p> <p>-some insitu-brecciated fracture edges are weakly bleached for 1-2mm</p> <p>-pyrrhotite is the dominant sulphide but there are local areas where pyrite dominates</p> <p>-mag. suscept.: 0.15-0.52 in non semi-massive pyrrhotite-pyrite zones, 1.0-2.5 in semi-massive pyrrhotite-pyrite zones</p> <p>-unit is rarely cut by thin <1cm white barren to pyrite-pyrrhotite-bearing quartz-calcite veins and veinlets trending 20-70 deg TCA</p> <p>-this unit is the source of the conductor</p> <p>-unit lower contact gradational</p>	<p>119.62 - 135.63: (IBX) Insitu Breccia</p> <p>119.62 - 135.63: (M) Massive</p> <p>119.62 - 135.63: (A) Fine Grained</p>	<p>119.62 - 135.63: (LCTGRD) Lower Contact - Gradational,</p>	<p>119.62 - 135.63: (BL) Bleached/Bleaching, (W) Weak, (FV) Fracture/Veined controlled</p> <p>119.62 - 135.63: (GPH) Carbonaceous, (W) Weak, (FV) Fracture/Veined controlled</p> <p>119.62 - 135.63: (CC) Calcite (Calcitic Alt.), (W) Weak, (FV) Fracture/Veined controlled</p> <p>119.62 - 135.63: (SI) Silicification, (M) Moderate, (P) Pervasive</p> <p>119.62 - 135.63: (CC) Calcite (Calcitic Alt.), (W) Weak, (P) Pervasive</p>	<p>119.62 - 135.63: 1% (PY) Pyrite, (D) Disseminated/Blebbly</p> <p>119.62 - 135.63: 4% (PO) Pyrrhotite, (SM) Semi-massive</p> <p>119.62 - 135.63: 2% (PY) Pyrite, (SM) Semi-massive</p> <p>119.62 - 135.63: 2% (PO) Pyrrhotite, (D) Disseminated/Blebbly</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE54-07**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
135.63 TO 151.40	<p>(2) Mafic Volcanic Rocks</p> <p>-fine grained massive to moderately insitu-brecciated weakly calcitic, weakly bleached, moderate to strongly silicified light to medium green amygdaloidal mafic flow</p> <p>-amygdules comprise <5% of the unit, are rounded to elliptical, <1mm to 3mm in diameter and filled with white to dark grey quartz-calcite</p> <p>-varioles are rarely present, comprise <1% of the unit, are rounded, <1-2mm in diameter and consists of light green strongly silicified mafic volcanic? (rhyolite?)</p> <p>-insitu-brecciated fractures are filled with either white quartz-calcite or a mixture of medium grey quartz, semi-massive pyrrhotite and dark green moderately chloritic mafic fragments</p> <p>-at times the mafic volcanic within the insitu-brecciated intervals can host abundant disseminated pyrrhotite</p> <p>-mag. suscept.: 0.02-0.08 in non-sulphide zones and 0.61-2.6 in pyrrhotite-rich areas</p> <p>-unit lower contact sharp at 70 deg TCA and marked by 10cm of semi-massive pyrrhotite with lesser pyrite and chalcopyrite</p>	<p>135.63 - 151.40: (E) Amygdaloidal/Vesicular</p> <p>135.63 - 151.40: (A) Fine Grained</p> <p>135.63 - 151.40: (IBX) Insitu Breccia</p> <p>135.63 - 151.40: (N) Variolitic/Spherulitic</p> <p>135.63 - 151.40: (M) Massive</p>	<p>135.63 - 151.40: (LCTSHP) Lower Contact - Sharp,</p>	<p>135.63 - 151.40: (CC) Calcite (Calcitic Alt.), (W) Weak, (FV) Fracture/Veined controlled</p> <p>135.63 - 151.40: (BL) Bleached/Bleaching, (W) Weak, (P) Pervasive</p> <p>135.63 - 151.40: (CHL) Chloritization, (W) Weak, (P) Pervasive</p> <p>135.63 - 151.40: (SI) Silicification, (S) Strong, (P) Pervasive</p>	<p>135.63 - 151.40: 0.5% (PY) Pyrite, (FV) Fracture/Veined Controlled</p> <p>135.63 - 151.40: 0.25% (CO) Cobalt Minerals, (FV) Fracture/Veined Controlled</p> <p>135.63 - 151.40: 2% (PO) Pyrrhotite, (SM) Semi-massive</p> <p>135.63 - 151.40: 1% (PO) Pyrrhotite, (D) Disseminated/Blebbly</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE54-07**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
151.40 TO 186.05	(1) Ultramafic Volcanic Rocks -fine grained massive to highly fractured light to dark grey-black talc-chlorite ultramafic volcanic -unit has a spotted texture due to dark green chlorite and white to light grey talc? -the chlorite and talc? spots comprise 30% of the unit and are 1-2mm in diameter -unit also host abundant haphazard wispy to thin (<1cm) white to light grey quartz-chlorite and talc veins and veinlets, some thicker vein sets trend 20-30 deg TCA -upper part of the unit has poor RQD's and 10cm-30cm intervals of fault gouge -mag. suscept.: 0.03-0.09 in upper part of unit and increasing to 0.59-3.3 in lower part -unit lower contact sharp at 35 deg TCA	151.40 - 186.05: (IBX) Insitu Breccia 151.40 - 186.05: (M) Massive 151.40 - 186.05: (A) Fine Grained	151.40 - 186.05: (LCTSHP) Lower Contact - Sharp, 151.70 - 153.00: (FZ) Fault (Fault Zone), -highly broken core, 75cm lost core, RQD's 0% 153.75 - 153.85: (FZ) Fault (Fault Zone), -highly broken core, RQD's 0% 155.95 - 156.18: (FZG) Fault Zone - Gouge, 161.25 - 161.48: (FZG) Fault Zone - Gouge, 166.52 - 166.70: (FZG) Fault Zone - Gouge,	151.40 - 186.05: (T) Talcose (+/- Carbonate), (S) Strong, (P) Pervasive 151.40 - 186.05: (T) Talcose (+/- Carbonate), (S) Strong, (FV) Fracture/Veined controlled	151.40 - 186.05: 1% (PY) Pyrite, (FV) Fracture/Veined Controlled
186.05 TO 228.00	(2) Mafic Volcanic Rocks -fine grained massive dark green quartz-feldspar-phyric mafic flow -feldspar phenocrysts comprise <4%, to locally up to 10% of the unit, are euhedral to rounded, white and <1 to 3mm in diameter -quartz phenocrysts comprise <2%, to locally up to 5% of the unit, are rounded to elliptical, dark grey and <1 to 5mm in diameter -no pillow selvages are observed -unit is locally strongly insitu-brecciated over 10-30cm intervals (flow top breccia?) -unit is rarely cut by thin (<3mm) white quartz-calcite-chlorite veins and veinlets trending 30-80 deg TCA -mag. suscept.: 0.01-0.08	186.05 - 228.00: (QFP) Quartz-Feldspar Phyric/Porphyry 186.05 - 228.00: (M) Massive 186.05 - 228.00: (A) Fine Grained	186.05 - 228.00: (LCTSHP) Lower Contact - Sharp,	186.05 - 228.00: (CC) Calcite (Calcitic Alt.), (W) Weak, (FV) Fracture/Veined controlled 186.05 - 228.00: (SI) Silicification, (M) Moderate, (P) Pervasive 186.05 - 228.00: (CHL) Chloritization, (M) Moderate, (P) Pervasive	186.05 - 228.00: 0.25% (PY) Pyrite, (FV) Fracture/Veined Controlled
228.00 TO 228.01	(EOH) End of Hole -30 BQ core boxes				



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE54-07**

Units: METRIC

Assay Information - Kidd Mine

Sample Number	Type	From	To	Length	S.G.	Ag gpt	Cu %	Zn %	Pb %	S %	Fe %	Se gpt	Sn %	NI %	Au ppb	Mineralization	Alteration	Rock	Comments
AV02970	ASSAY	119.62	121.12	1.50											7				-weakly insitu-brecciated, weakly
AV02971	ASSAY	121.12	122.62	1.50											34				-weakly insitu-brecciated, weakly
AV02972	ASSAY	122.62	124.12	1.50											-2				-weakly insitu-brecciated, weakly
AV02973	ASSAY	124.12	125.62	1.50											-2				-weakly insitu-brecciated, weakly
AV02974	ASSAY	125.62	127.12	1.50											-2				-weakly insitu-brecciated, weakly
AV02975	ASSAY	127.12	128.62	1.50											27				-weakly insitu-brecciated, weakly
AV02976	ASSAY	139.50	141.00	1.50											-2				-weakly insitu-brecciated, weakly
AV02977	ASSAY	148.40	149.90	1.50											24				-weakly fractured, weakly chloritic
AV02978	ASSAY	149.90	151.40	1.50											-2				-weakly calcitic amygdaloidal mc



**DETAILED LOG
FALCONBRIDGE LTD.**

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Units: METRIC

Assay Information - Exploration

Sample Number	Type	From	To	Length	Ag ppm	Cu gpt	Zn gpt	Pb gpt	Au ppb	Ni gpt	Co gpt	S gpt	S %	Cd gpt	Pd ppb	Pt ppb	Os ppb	Sn gpt	Se gpt	In gpt	Bi gpt	Mineralization	Alteration	Rock	Comments	
AV02970	ASSAY	119.62	121.12	1.50	0	87	143	1	7	297	54														-weakly insitu-brecciated, weak	
AV02971	ASSAY	121.12	122.62	1.50	0	93	122	1	34	100	43															-weakly insitu-brecciated, weak
AV02972	ASSAY	122.62	124.12	1.50	0	63	80	1	-2	87	60															-weakly insitu-brecciated, weak
AV02973	ASSAY	124.12	125.62	1.50	0	78	76	1	-2	86	32															-weakly insitu-brecciated, weak
AV02974	ASSAY	125.62	127.12	1.50	0	74	102	1	-2	77	37															-weakly insitu-brecciated, weak
AV02975	ASSAY	127.12	128.62	1.50	0	60	100	1	27	90	41															-weakly insitu-brecciated, weak
AV02976	ASSAY	139.50	141.00	1.50	0	68	47	1	-2	69	31															-weakly insitu-brecciated, weak
AV02977	ASSAY	148.40	149.90	1.50	0	112	71	1	24	83	38															-weakly fractured, weakly chlor
AV02978	ASSAY	149.90	151.40	1.50	0	119	65	1	-2	62	27															-weakly calcitic amygdaloidal r



**DETAILED LOG
FALCONBRIDGE LTD.**

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Units: METRIC

Assay Information - Visual Estimates + Calculated Grades

Sample Number	Type	From	To	Length	Estimates								Calculations				Mineralization	Alteration	Rock	Comments
					Cp %	Sph %	Gn %	Py %	Po %	Bo %	Au gpt	Ni %	Cu %	Zn %	Pb %	Ni %				
AV02970	ASSAY	119.62	121.12	1.50									0.00	0.00					-weakly insitu-brecciated, weakly	
AV02971	ASSAY	121.12	122.62	1.50									0.00	0.00					-weakly insitu-brecciated, weakly	
AV02972	ASSAY	122.62	124.12	1.50									0.00	0.00					-weakly insitu-brecciated, weakly	
AV02973	ASSAY	124.12	125.62	1.50									0.00	0.00					-weakly insitu-brecciated, weakly	
AV02974	ASSAY	125.62	127.12	1.50									0.00	0.00					-weakly insitu-brecciated, weakly	
AV02975	ASSAY	127.12	128.62	1.50									0.00	0.00					-weakly insitu-brecciated, weakly	
AV02976	ASSAY	139.50	141.00	1.50									0.00	0.00					-weakly insitu-brecciated, weakly	
AV02977	ASSAY	148.40	149.90	1.50									0.00	0.00					-weakly fractured, weakly chloritic	
AV02978	ASSAY	149.90	151.40	1.50									0.00	0.00					-weakly calcitic amygdaloidal mc	



**DETAILED LOG
FALCONBRIDGE LTD.**

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WRA Information - Oxides

Sample Number	From	To	Length Rock	CHEMID	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Cr2O3 %	LOI %	SUM %	Cr ppm	Y ppm	Zr ppm	Cu ppm	Zn ppm	MineralizationAlterationComments
AV02582	60.00	63.00	3.00		47.51	0.76	12.84	11.64	0.21	8.93	10.58	2.17	0.05	0.09		4.71	99.66	725	25	70	80	95	-fine grained weakly insitu-brecciated
AV02583	90.00	93.00	3.00		48.87	0.73	12.69	11.06	0.21	8.06	11.26	1.68	0.08	0.07		4.75	99.63	685	25	70	75	95	-fine grained variolitic mafic flow
AV02584	123.00	126.00	3.00		56.14	0.74	15.34	8.60	0.08	4.86	3.89	4.59	1.61	0.12		3.36	99.40	130	20	110	35	105	-fine grained weakly insitu-brecciated
AV02585	144.00	147.00	3.00		60.11	0.74	15.32	5.85	0.13	3.26	6.65	4.30	0.63	0.13		2.48	99.67	170	20	110	45	75	-fine grained amygdaloidal mafic flow
AV02586	159.00	162.00	3.00		35.65	0.12	2.22	7.03	0.07	32.25	1.59	0.05	-0.01	0.03		20.15	99.57	1490	5	10	20	35	-fine grained talc-chlorite ultramafic
AV02587	189.00	192.00	3.00		55.82	0.82	15.65	8.59	0.08	4.36	6.30	4.91	0.62	0.14		2.17	99.53	120	20	110	70	50	-fine grained quartz-feldspar-phyric n
AV02588	225.00	228.00	3.00		53.30	0.80	14.95	8.66	0.14	5.56	6.59	3.99	0.30	0.12		5.06	99.56	165	20	90	90	80	-fine grained quartz-feldspar-phyric n



**DETAILED LOG
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WRA Information - Mixed

Sample Number	From	To	Length	Rock	CHEMID	Cd ppm	V ppm	B ppm	Be ppm	Br ppm	Ga ppm	Ge ppm	In ppm	Ir ppb	Li ppm	Rb ppm	Sr ppm	Cs ppm	Sc ppm	Hf ppm	Pt ppb	Pd ppb	Re ppb	Rh ppb	Ru ppb
AV02582	60.00	63.00	3.00				285		-5										45						
AV02583	90.00	93.00	3.00				280		-5										45						
AV02584	123.00	126.00	3.00				175		-5										25						
AV02585	144.00	147.00	3.00				170		-5										25						
AV02586	159.00	162.00	3.00				60		-5										10						
AV02587	189.00	192.00	3.00				210		-5										30						
AV02588	225.00	228.00	3.00				215		-5										30						



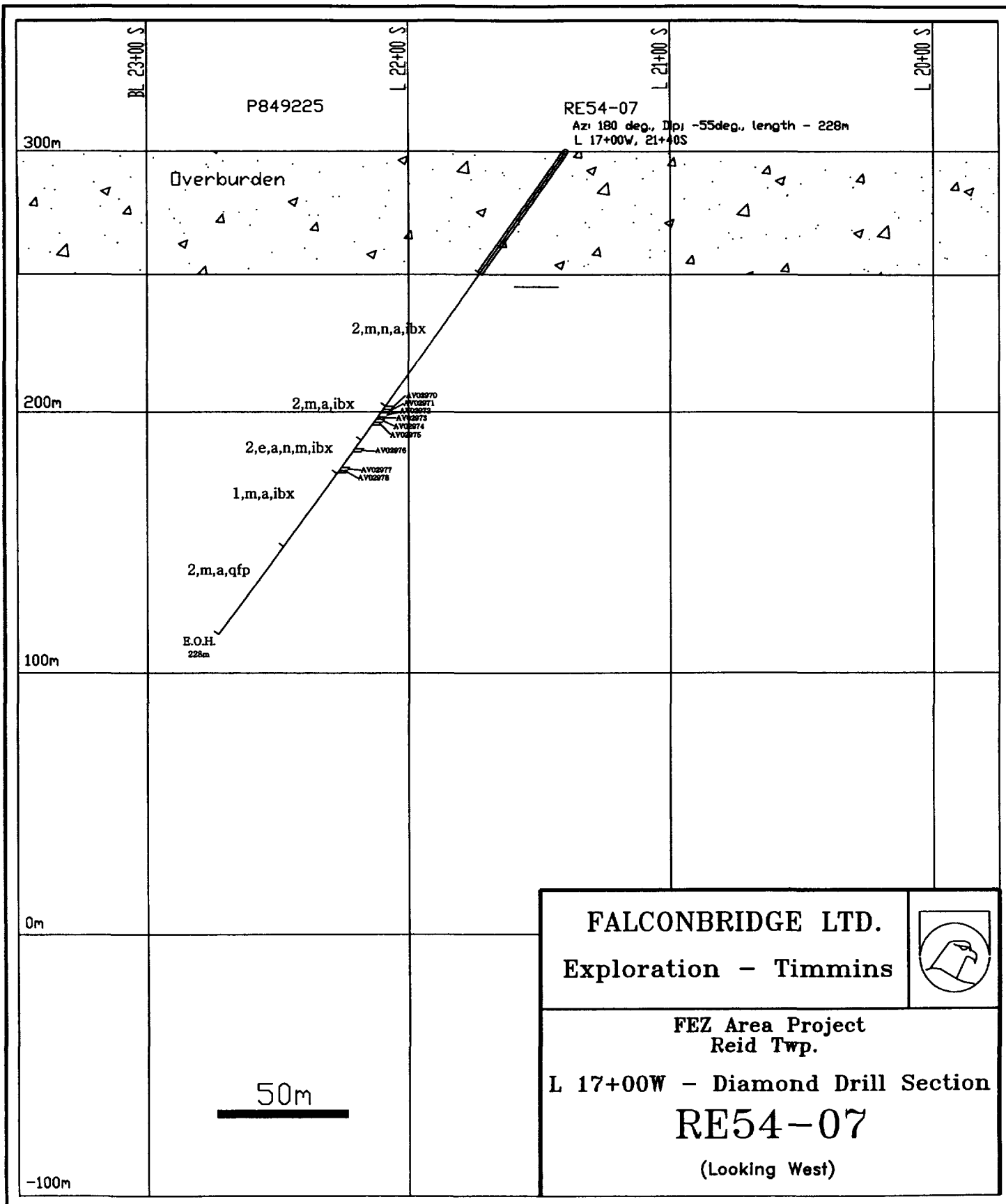
**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE54-07**

Units: METRIC

WRA Alteration Indices

Sample Number	From	To	Length	Rock	CHEMID	Al ₂ O ₃ /TiO ₂	Zr/Y	ALUM	ISHIKW	ACNK	SERICIT	Ca/Al	Zn/Na ₂ O	MgO	NUM	Ni/MgO	Cu/Zn	Co/Ni	Mineralization	Alteration	Comments
AV02582	60.00	63.00	3.00			16.89	2.80	100.31	41.33	0.41	0.00	0.82	44	0.64	22.96	45.71	0.27				-fine grained weakly insitu-brecciated
AV02583	90.00	93.00	3.00			17.38	2.80	97.47	38.61	0.39	0.01	0.89	57	0.63	21.71	44.12	0.31				-fine grained variolitic mafic flow
AV02584	123.00	126.00	3.00			20.73	5.50	152.03	43.28	0.79	0.29	0.25	23	0.57	26.75	25.00	0.19				-fine grained weakly insitu-brecciated
AV02585	144.00	147.00	3.00			20.70	5.50	132.30	26.21	0.61	0.09	0.43	17	0.56	32.21	37.50	0.24				-fine grained amygdaloidal mafic flow
AV02586	159.00	162.00	3.00			18.50	2.00	136.20	95.16	0.51	-0.01	0.72	700	0.91	68.06	36.36	0.03				-fine grained talc-chlorite ultramafic v
AV02587	189.00	192.00	3.00			19.09	5.50	132.29	30.76	0.63	0.09	0.40	10	0.54	20.64	58.33	0.39				-fine grained quartz-feldspar-phyric r
AV02588	225.00	228.00	3.00			18.69	4.50	137.41	35.64	0.63	0.04	0.44	20	0.60	45.86	52.94	0.16				-fine grained quartz-feldspar-phyric r



P849225

RE54-07
 Azi 180 deg., Dip -55deg., length - 228m
 L 17+00W, 21+40S

Overburden

2,m,n,a,ibx

2,m,a,ibx

2,e,a,n,m,ibx

1,m,a,ibx

2,m,a,qfp

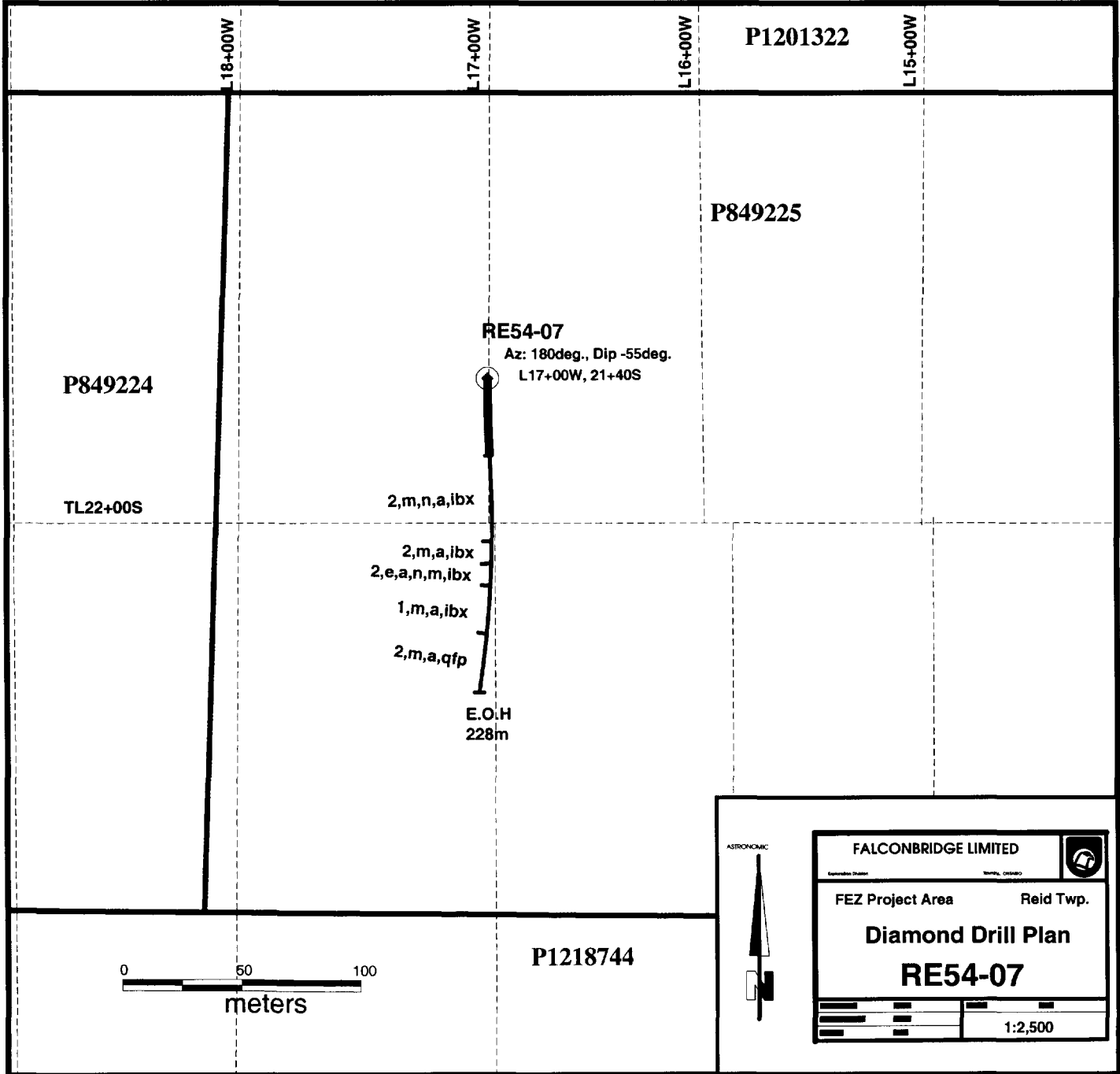
E.O.H.
 228m

AV02970
 AV02971
 AV02972
 AV02973
 AV02974
 AV02975

AV02976
 AV02977
 AV02978

50m

<p>FALCONBRIDGE LTD. Exploration - Timmins</p>		
<p>FEZ Area Project Reid Twp. L 17+00W - Diamond Drill Section RE54-07 (Looking West)</p>		



P849224

TL22+00S

P1201322

P849225

RE54-07

Az: 180deg., Dip -55deg.
L17+00W, 21+40S

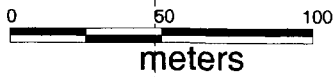
2,m,n,a,ibx

2,m,a,ibx
2,e,a,n,m,ibx

1,m,a,ibx

2,m,a,qfp

E.O.H
228m



P1218744

ASTRONOMIC



FALCONBRIDGE LIMITED



FEZ Project Area

Reid Twp.

Diamond Drill Plan

RE54-07

1:2,500



Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Page 1 of 2

3W-1252-RG1


Geochemical Analysis Certificate

Date: APR-22-03

Company: **FALCONBRIDGE (EXPL) LTD**
Project: 305
Attn: D. Rogers

We hereby certify the following Geochemical Analysis of 34 Core samples submitted APR-08-03 by .

Sample Number	Au_PPB PPB	Cu_gpt	Zn_gpt	Pb_gpt	Ag_PPM	Ni_gpt	Co_gpt
AV02627	<2	56	133	2	0.1	42	40
AV02628	<2	60	115	1	0.1	35	35
AV02629	<2	63	148	1	0.1	56	46
AV02630	<2	94	114	10	0.1	236	85
AV02631	<2	83	122	1	0.1	123	68
AV02632	14	56	198	19	0.1	46	39
AV02633	<2	23	153	17	0.1	16	15
AV02634	14	15	179	5	0.1	1	17
AV02635	69	64	61	1	0.1	63	35
AV02636	14	40	53	1	0.1	42	23
AV02637	24	51	81	1	0.1	66	34
AV02638	<2	50	73	1	0.1	57	34
AV02639	31	49	81	1	0.1	70	38
AV02640	<2	58	63	12	0.1	57	33
AV02641	3	23	34	1	0.1	11	7
AV02642	7	9	51	4	0.1	7	5
AV02643	<2	9	33	1	0.1	5	5
AV02644	<2	5	40	1	0.2	3	3
AV02645	<2	8	42	1	0.1	6	5
AV02646	<2	94	152	1	0.1	129	56
AV02647	7	75	165	1	0.2	111	53
AV02648	514	81	195	1	0.3	90	42
AV02649	<2	217	57	1	0.2	47	26
AV02650	7	255	56	1	0.2	41	21
AV02970	7	87	143	1	0.1	297	54
AV02971	34	93	122	1	0.1	100	43
AV02972	<2	63	80	1	0.1	87	60
AV02973	<2	78	76	1	0.1	86	32
AV02974	<2	74	102	1	0.1	77	37
AV02975	27	60	100	1	0.1	90	41

Certified by 



Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Page 2 of 2

Geochemical Analysis Certificate

3W-1252-RG1

Company: **FALCONBRIDGE (EXPL) LTD**

Date: APR-22-03

Project: 305

Attn: D. Rogers

We hereby certify the following Geochemical Analysis of 34 Core samples submitted APR-08-03 by .

Sample Number	Au_PPB PPB	Cu_gpt	Zn_gpt	Pb_gpt	Ag_PPM	Ni_gpt	Co_gpt
AV02976	<2	68	47	1	0.1	69	31
AV02977	24	112	71	1	0.1	83	38
AV02978	<2	119	65	1	0.1	62	27
AV02927	14	38	91	103	0.2	64	3

Certified by *Denis Charte*

FALCONBRIDGE (EXPL) LTD

Attention: D. Rogers

Project: 350

Sample: Core

Assayers anada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 3W125

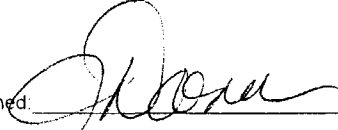
Date : May-16-03

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	Na ₂ O %	K ₂ O %	TiO ₂ %	MnO %	P ₂ O ₅ %	Cr ppm	Zr ppm	Y ppm	Cu ppm	Zn ppm	Ni ppm	Co ppm	Nb ppm	V ppm	Sc ppm	Be ppm	LOI %	S %	Total %
AV02574	52.92	13.11	15.73	6.32	2.69	2.95	0.39	1.86	0.26	0.48	55	180	50	40	145	15	50	<10	170	35	5	2.99	0.07	99.77
AV02575	47.87	14.05	15.06	6.36	6.12	2.72	0.17	2.00	0.21	0.16	555	80	30	95	205	170	70	<10	335	35	5	4.70	0.03	99.57
AV02576	55.18	12.61	14.58	5.77	1.93	3.36	0.62	1.49	0.24	0.59	30	210	55	40	150	5	40	<10	45	30	5	3.16	0.13	99.59
AV02577	45.75	13.11	15.34	8.49	5.82	2.03	0.13	1.86	0.23	0.15	460	70	25	100	160	175	65	<10	330	40	<5	6.51	0.09	99.57
AV02578	43.23	13.55	16.12	8.07	3.33	2.71	0.43	2.78	0.24	0.27	140	130	35	105	195	140	85	10	360	35	5	8.92	0.48	99.77
AV02579	47.22	13.30	9.92	8.00	4.18	0.70	2.73	1.01	0.19	0.20	155	120	25	70	95	80	45	<10	230	30	<5	12.09	0.31	99.64
AV02580	66.29	12.16	4.05	5.49	1.23	0.88	3.02	0.37	0.12	0.09	155	210	40	15	60	30	10	<10	20	10	<5	6.04	0.12	99.82
AV02581	55.23	14.38	9.00	6.18	1.64	4.43	0.90	1.06	0.23	0.49	20	160	45	10	65	15	20	<10	25	25	<5	6.11	0.02	99.67
AV02582	47.51	12.84	11.64	10.58	8.93	2.17	0.05	0.76	0.21	0.09	725	70	25	80	95	205	55	<10	285	45	<5	4.71	0.08	99.66
AV02583	48.87	12.69	11.06	11.26	8.06	1.68	0.08	0.73	0.21	0.07	685	70	25	75	95	175	55	<10	280	45	<5	4.75	0.33	99.63
AV02584	56.14	15.34	8.60	3.89	4.86	4.59	1.61	0.74	0.08	0.12	130	110	20	35	105	130	25	<10	175	25	<5	3.36	3.02	99.40
AV02585	60.11	15.32	5.85	6.65	3.26	4.30	0.63	0.74	0.13	0.13	170	110	20	45	75	105	25	<10	170	25	<5	2.48	0.05	99.67
AV02586	35.65	2.22	7.03	1.59	32.25	0.05	<0.01	0.12	0.07	0.03	1490	10	5	20	35	2195	55	<10	60	10	<5	20.15	0.16	99.57
AV02587	55.82	15.65	8.59	6.30	4.36	4.91	0.62	0.82	0.08	0.14	120	110	20	70	50	90	35	<10	210	30	<5	2.17	0.01	99.53
AV02588	53.30	14.95	8.66	6.59	5.56	3.99	0.30	0.80	0.14	0.12	165	90	20	90	80	255	40	<10	215	30	<5	5.06	0.05	99.56
AV02928	75.38	10.86	2.78	0.23	0.53	1.20	6.87	0.24	0.03	0.03	395	300	120	45	100	180	5	20	25	5	<5	1.40	0.03	99.68

Sample is fused with Lithium metaborate and dissolved in dilute HNO3

Signed: 

Benoit Diamond Drilling Ltd.
Forage à Diamant Benoit Ltée

1701, RUE DE L'HYDRO
 PARC INDUSTRIEL
 VAL D'OR (QUÉBEC) J9P 6Y9
 TÉL.: (819) 824-9107
 FAX : (819) 825-0784
 EMAIL: forage.benoit@sympatico.ca

FALCONBRIDGE EXPLORATION
 P.O. Box 1140
 Timmins, Ontario
 P4N 7H9

INVOICE
 FACTURE 7951

Date December 30 20 02

DRILLING SITE Kidd Creek project, DRILL # "12"
 EMPLACEMENT Timmins area, Ontario
 DE FORAGE FOREUSE #

Hole NO. RE-54-07,

\$ 27,205.14

Vendor Short Name <u>Benoit</u>						
Bus. Unit	Account	Dept	Product	Project	Amount	cr (x)
11016	7601016117	6015	CREATION	13150	13570 00	
11016	7601016118	6015	CREATION	13150	1785 00	
11016	7601016119	6015	CREATION	13150	3914 00	
11016	7601016120	6015	CREATION	13150	7936 14	
Taxes & Adds.					Coded	Approved
					0310505 GST	1904.36
					0310507 QST	
					0310508 HST	

SOUS-TOTAL	\$ 27,205.14
T.P.S. # R101840569	1,904.36
T.V.Q. # 1000291541	-----
TOTAL	\$ 29,109.50

#8107006

Les marchandises décrites ci-dessus demeurent la propriété de Forage à Diamant Benoit Ltée, tant et aussi longtemps qu'elles ne seront pas entièrement payées.

TERMES: Net 30 jours 2% d'intérêt par mois 24% par année
 Frais de collection et frais de cour payables par le client.

Signature du client



ANNEX 1

HOLE NO. RE-54-07,

INVOICE NO. 7951

MOVING, OPENING ROAD & SEARCHING FOR WATER:

Day: Labour: 2 men x 12 hours x \$30.00	\$	720.00
Tractor: 12 hours x \$55.00		660.00
Night: Labour: 2 men x 12 hours x \$30.00		720.00
Tractor: 12 hours x \$55.00		660.00
Day: Labour: 2 men x 12 hours x \$30.00		720.00
Tractor: 12 hours x \$55.00		660.00
Night: Labour: 2 men x 12 hours x \$30.00		720.00
Tractor: 12 hours x \$55.00		660.00
Day: Labour: 2 men x 12 hours x \$30.00		720.00
Tractor: 12 hours x \$55.00		660.00
Night: Labour: 2 men x 12 hours x \$30.00		720.00
Tractor: 12 hours x \$55.00		660.00
Day: Labour: 2 men x 12 hours x \$30.00		720.00
Tractor: 12 hours x \$55.00		660.00
Night: Labour: 2 men x 12 hours x \$30.00		720.00
Tractor: 12 hours x \$55.00		660.00

DRILLING IN OVERBURDEN: 57m

From 0 to 30: 30 metres at \$34.44	1,033.20
From 30 to 45: 15 metres at \$36.10	541.50
From 45 to 57: 12 metres at \$39.35	472.20

DRILLING IN BEDROCK: 171m

From 57 to 228: 171 metres at \$34.44	5,889.24
---------------------------------------	----------

HAULING WATER WITH TRACTOR:

6 hours at \$85.00	510.00
3 hours at \$85.00	255.00
12 hours at \$85.00	1,020.00

ANNEX 2

HOLE NO. RE-54-07, CONTINUED

INVOICE NO. 7951

MATERIAL LEFT IN THE HOLE:

4 lengths of NW Casing 3m at \$166.25	\$ 665.00
19 lengths of BW Casing 3m at \$141.00	2,679.00
1 NQ Casing Shoe at \$180.00	180.00
1 NQ to BW Casing Bit at \$390.00	390.00

MOVING OUT EQUIPMENT TO THE ROAD:

Night: Labour: 2 men x 10 hours x \$30.00	600.00
Tractor: 10 hours x \$55.00	550.00
Day: Labour: 2 men x 12 hours x \$30.00	720.00
Tractor: 12 hours x \$55.00	660.00

\$ 27,205.14

FL TIMMINS GEOLOGY - ROCK LEGEND - 2001A

1a. MAIN ROCK DIVISIONS - REGIONAL		2. TEXTURE & GEOCHEMICAL MODIFIERS	
15 Phanerozoic Sediments	A Fine Grained	N Varolitic/Spherulitic	
14 Huronian Supergroup	ADC Adcumulate	NN Graded Bedding	
13 Metamorphic (Unknown)	B Medium Grained	NT Net Textured	
12 Gneiss	BD Bedded	OO Cross bedding	
11 Schist	BK Basaltic Komatiite	OP Ophitic	
10 Diabase	BX Breccia	ORC Orthocumulate	
9 Felsic Intrusive Rocks	C Coarse Grained	OSX Olivine Spinifex	
8 Intermediate Intrusive Rocks	CH Chert	P Pillowed	
7 Mafic Intrusive Rocks	DD Block (>64mm)/Xenolith	PBX Pillow Breccia	
6 Ultramafic Intrusive Rocks	DN Dunite	PE Peridotite	
5 Sedimentary Rocks	E Amygdaloidal/Vesicular	PH Porphyritic	
5S Sulphide (>40%)	EE Autoclastic/Hyaloclastic	PR Primitive (Y<20)	
4 Felsic Volcanic Rocks	EV Evolved (Y>20<60)	PS Polysaturated	
3 Intermediate Volcanic Rocks	F Fragmental	PSX Pyroxene Spinifex	
3HT Heterolithic Volcanic Rocks	FB Flow Banded	PX Pyroxenite	
2 Mafic Volcanic Rocks	FBX Flow Breccia	QFP Quartz-Feldspar Phryic/Porphyry	
1 Ultramafic Volcanic Rocks	FF Feldspar (Albite) Flowers	QP Quartz Phryic/Porphyry	
	FP Feldspar Phryic	QT Quench Textured/Chilled	
	GB Gabbroic Textured	RR Porphyroblastic	
	GPH Graphitic/Argillaceous	RWV Reworked Volcanic	
	H Tholeiitic	S Sulphides, Exhalites	
	HEV Highly Evolved (Y>60)	SKC Skeletal/Crescumulate	
	HH Clast Supported	SS Hornfels	
	HT Heterolithic	SX Spinifex	
	I Alkalic	T Pyroclastic	
	IF Oxide Iron Formation	TKL Thickly Laminated	
	II Matrix Supported	TNL Thinly Laminated	
	IBX In situ Breccia	TUF Tuff	
	J Calc-Alkalic	TW Tuffwacke	
	JJ Granula (grit 2-4mm)	U High Mg	
	K Komatiitic	V High Fe	
	KK Pobble (4-64mm)	VBX Volcanic Breccia	
	LL Cobble (64-256mm)	W High Al	
	LST Lapillistone	WK Wacke	
	LTF Lapilli Tuff	WW fragmental (felsic>mafic)	
	LX Laucoxene Bearing	X Andesite	
	LXP Laucoxene Bearing -Pink	XX fragmental (mafic>felsic)	
	LXW Laucoxene Bearing -White	Y Icelandite	
	M Massive	YY Crystal Tuff (>50% of frags)	
	MM Boulder (>256)	ZZ Lithic Tuff (>50% of frags)	
	MSC Mesocumulate		
1b. MAIN ROCK DIVISIONS - KIDD MINE		3. STRUCTURAL TYPES	
A/D1 "Andesite/Diorite" - Type 1		AUG Augen	GG Gouge
A/D2 "Andesite/Diorite" - Type 2		BC Broken Core	JTQC Joint - Quartz Carbonate
A/D3 "Andesite/Diorite" - Type 3		BD Badding	JTR Joint - Regular
A/D4 "Andesite/Diorite" - Type 4		BON Boudinage	LCTBRK Lower Contact - Broken
AM Amphibolite		BND Banding	LCTF Lower Contact - Faulted
BA Black Argillite		DSK Discing	LCTGRD Lower Contact - Gradational
BC Black Chert		FLD Fold	LCTSHP Lower Contact - Sharp
BK Basaltic Komatiite		FLDB Fold - Broad	MSF Moderately Schistose/Foliated
CB Cherty Breccia		FLDT Fold - Tight	MZ Milled Zone
D "Dacite"		FV Fractured and Veined	SF Schistose/Foliated
G Greywacke		FZ Fault (Fault Zone)	SHZ Shear (Shear Zone)
MGT Magnesium Tholeiite		FZBX Fault Zone - Breccia	SSF Strongly Schistose/Foliated
MMF Mixed Mafic Fragmental		FZG Fault Zone - Gouge	VSSF Very Strongly Schistose/Foliated
MRF Mixed Rhyolite Fragmental		FZS Fault Zone - Very Strong Schisosity	WSF Weakly Schistose/Foliated
MS Massive Sulphides			
MSC Massive Sulphides - Mainly CP			
MSCS Massive Sulphides - Mainly CP + SPH			
MSP Massive Sulphides - Mainly PY			
MSPD Massive Sulphides - Mainly PD			
MSS Massive Sulphides - Mainly SPH			
MV Mafic Volcanic			
PCR Pyrite - Carbonate Rock			
PK Pyroxenite Komatiite			
QFP Quartz Feldspar Porphyry			
QP Quartz Porphyry			
QV Quartz Vein			
R Rhyolite			
S Serpentinite			
SM Semi-Massive Sulphides			
TC Talc-Carbonate			
1c. OTHER "ROCK" DIVISIONS			
CAS Casing/Overburden			
BF Backfill			
BT Break Through			
ECH End Of Hole			
LC Lost Core			
NAV Navigational Drilling - No Core			
UNK Unknown			
5. MINERALIZATION STYLE		4. ALTERATION TYPES	
B Bedded		AB Albitization	HE Hematization
D Disseminated/Blebs		B Biotite	K Potassic Alteration
F Fragmental/Clasts		BL Bleached/Bleaching	KA Kaolinization
FV Fracture/vein controlled		CA Carbonatization	RS Rust Staining
M Massive		CC Calcite (Calcitic Alt.)	SE Sericitization
S Stringer		CHL Chloritization	SER Serpentinization
SM Semi-massive		EP Epidotization	SI Silicification
STN Stain		F Fuchsite	SID Siderite (Fe-Carbonate)
		GPH Carbonaceous	T Talcose (+/- Carbonate)
MINERALIZATION TYPES			
CP Chalcopyrite			
GN Galena			
PN Pentlandite			
PO Pyrrhotite			
PY Pyrite			
Q Quartz			
SPH Sphalerite			
		ALTERATION STYLE	ALTERATION INTENSITY
		S Spots	S Strong
		FV Fracture/vein controlled	M Moderate
		P Pervasive	W Weak
		Example, EpPW = Epidote Pervasive Weak	

Work Report Summary

Transaction No: W0460.00895 Status: APPROVED
 Recording Date: 2004-JUN-09 Work Done from: 2003-JAN-02
 Approval Date: 2004-JUN-10 to: 2003-JAN-09

Client(s):
 130679 FALCONBRIDGE LIMITED

Survey Type(s):
 ASSAY PDRILL

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
P 849225	\$28,934	\$28,934	\$0	\$0	\$24,000	24,000	\$4,934	\$4,934	2005-MAY-01
P 1204771	\$0	\$0	\$2,400	\$2,400	\$0	0	\$0	\$0	2005-JUN-09
P 1204772	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2005-JUN-09
P 1204773	\$0	\$0	\$1,600	\$1,600	\$0	0	\$0	\$0	2005-JUN-09
P 1204774	\$0	\$0	\$6,000	\$6,000	\$0	0	\$0	\$0	2005-JUN-09
P 1204775	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2005-JUN-09
P 1218744	\$0	\$0	\$3,600	\$3,600	\$0	0	\$0	\$0	2005-JUN-20
P 1218745	\$0	\$0	\$6,400	\$6,400	\$0	0	\$0	\$0	2005-JUN-20
P 1218746	\$0	\$0	\$2,800	\$2,800	\$0	0	\$0	\$0	2005-JUN-20
	\$28,934	\$28,934	\$24,000	\$24,000	\$24,000	\$24,000	\$4,934	\$4,934	

External Credits: \$0

Reserve:
 \$4,934 Reserve of Work Report#: W0460.00895

 \$4,934 Total Remaining

Status of claim is based on information currently on record.



42A13SE2015 2.27837 REID

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines



Date: 2004-JUN-10

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

FALCONBRIDGE LIMITED
800-207 QUEEN'S QUAY WEST
TORONTO, ONTARIO
M5J 1A7 CANADA

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

Submission Number: 2.27837
Transaction Number(s): W0460.00895

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

NOTE: The plan should also locate the claim, on which the work was performed, within the township or to recognizable topographical features.

If you have any question regarding this correspondence, please contact BRUCE GATES by email at bruce.gates@ndm.gov.on.ca or by phone at (705) 670-5856.

Yours Sincerely,

A handwritten signature in black ink that reads "Ron C Gashinski".

Ron C. Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist

Falconbridge Limited
(Claim Holder)

Dean Rogers
(Agent)

Assessment File Library

Falconbridge Limited
(Assessment Office)

Date / Time of Issue: Fri Jul 02 09:17:13 EDT 2004

TOWNSHIP / AREA
REID

PLAN
G-3966

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division
Land Titles/Registry Division
Ministry of Natural Resources District

Porcupine
COCHRANE
TIMMINS

TOPOGRAPHIC

- Administrative Boundaries
- Township
- Contour Line
- Pipeline/Pipe
- Section Reserve
- CAT P&A Pipe
- Canyon
- Mine Shaft
- Mine Headframe
- Railway
- Road
- Trail
- Power Line Pole
- Utility Line
- Tower

Land Tenure

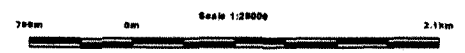
- Freehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only
- Leasehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only
- License of Occupation
- Open Well Standoff
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only
- Land Use Permit
- Order to Construct (Not open for advice)
- Water Power Lease Agreement
- Mining Claim
- Field Only Mining Claim

Year	Area	Area	Area	Area
1984	1985	1986	1987	1988
1989	1990	1991	1992	1993
1994	1995	1996	1997	1998
1999	2000	2001	2002	2003
2004	2005	2006	2007	2008

LAND TENURE WITHDRAWALS

- Area Withdrawn From Database
- Mining Area Withdrawal Types
- Surface And Mining Rights Withdrawal
- Mining Rights Only Withdrawal
- Order to Construct Withdrawal Types
- Surface Rights Only Withdrawal
- Mining Rights Only Withdrawal
- Key Rights Only Withdrawal

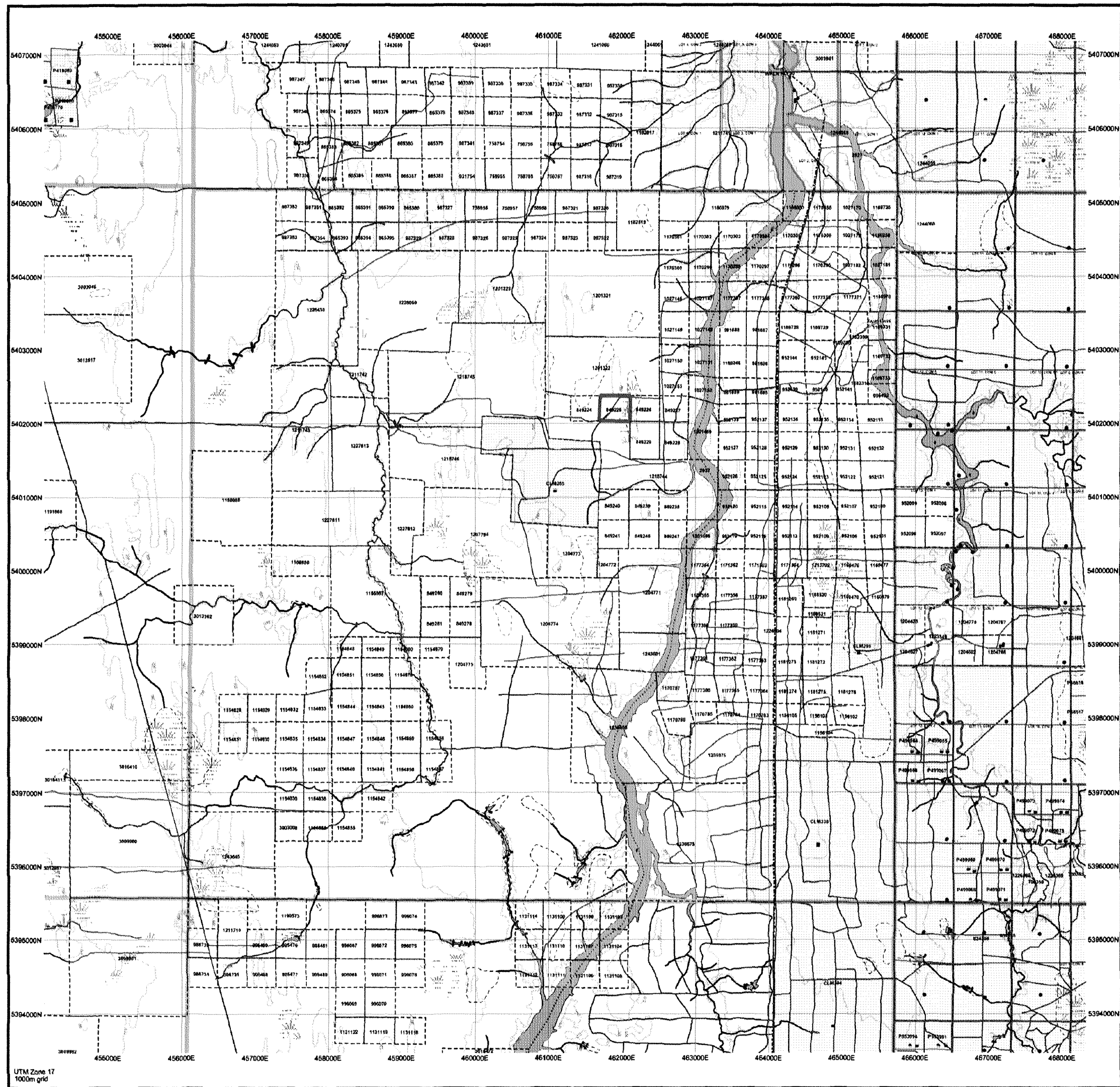
IMPORTANT NOTICES



LAND TENURE WITHDRAWAL DESCRIPTIONS

Location	Type	Date	Description
2738	Water	Jan 1, 2004	FLOODING RESERVATION TO CONFIRM ELEVATION 511 FT RESERVED TO ONTARIO HYDRO
2627	Water	Jan 1, 2004	FLOODING RIGHTS IN LOTS 1, 2 AND 3, CON 1 TO NE P.C.L.D. TWS
2917	Water	Jan 1, 2004	FLOODING ON MATTAGAM RIVER LOTS
3637	Water	Jan 1, 2004	FLOODING RIGHTS RESERVED TO ONTARIO HYDRO, LOTS 5
WELL-C190	Water	Feb 1, 2004	WELL-C190
WELL-P194	Water	Feb 26, 2004	WELL-P194

2.27837
ASSAY
PDRILL



Those wishing to make mining claims should consult with the Provincial Mining Records Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown herein. This map is not intended for use as a title, survey, or land title instrument, and the information shown on this map is compiled from various sources. No guarantee or warranty is made. Additional information may also be obtained through the Land Titles or Registry Office, or the Ministry of Natural Resources.

General Information and Limitations
Contact Information: Provincial Mining Records Office, Water Control Office, 233 Riverside Drive, Porcupine, ON P2H 2G9
Tel: (800) 419-9245 ext. 2749 or (705) 729-3500
Fax: (705) 729-1444
Map Datum: NAD 83
Projection: UTM
Scale: 1:50,000
This map may not show unregistered land shown and interests in land including certain patents, leases, easements, rights of way, flooding rights, or other forms of encumbrances of title and interest from the Crown. Also certain land tenure and land uses that existed or existed for a while, but which claims may not be shown.

42A135E2015 2.27837 REID

