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**Report on Diamond Drilling – R61-01
Falconbridge Limited - Exploration**

Robb Township, Timmins, Ont.
Porcupine Mining Division

NTS 42A-12

January 12th, 2007

Prepared by:
Dean Rogers, P.Geo.

Diamond Drilling Assessment Report
Robb Twp., Porcupine Mining Division

Contents

- A) Introduction
- B) Property Location & Access
- C) Previous Work
- D) Current Work Program
- E) Recommendations
- F) Personnel
- G) References

Appendices

- 1) FL Rock Code Legend
- 2) Diamond Drill Log – R61-01
- 3) Assay Certificates
- 4) DDH Plan Map & Section

A) Introduction

A program of diamond drilling was carried out by Falconbridge Limited between May 23-27, 2006. The program was aimed at evaluating an AEM target identified from a MegaTEM airborne survey completed over the area in 2000. A single diamond drill hole was completed in Robb Twp., Porcupine Mining Division for a total meterage of 221m. All drilling was completed by Forage Major of Val d'Or, QC.

B) Property Location & Access

The property is located approximately 32km northwest of the City of Timmins in the northwest corner of Robb Twp. and extending into Loveland and Cote Twps. The block consists of 4 claims totaling 32 units in the Porcupine Mining Division (Fig. 1). A listing of the mining claims comprising the property is also given in the table below (Table 1). Access to the property area can be obtained by an all-weather logging road which is accessible from either the Mallette logging road to the south or from the Thorburn logging road north of Kamiskotia Lake.

Claim	Units	Township	Held	Due Date	Work Rq'd
P3005514	9	Robb	Falconbridge Limited	Nov. 5, 2007	\$3,600
P3009972	9	Loveland	Falconbridge Limited	Jan. 14, 2007	\$3,600
P3009973	10	Robb	Falconbridge Limited	Jan. 14, 2007	\$4,000
P3009974	4	Robb	Falconbridge Limited	Jan. 14, 2007	\$1,600

Table 1 – Property Listing

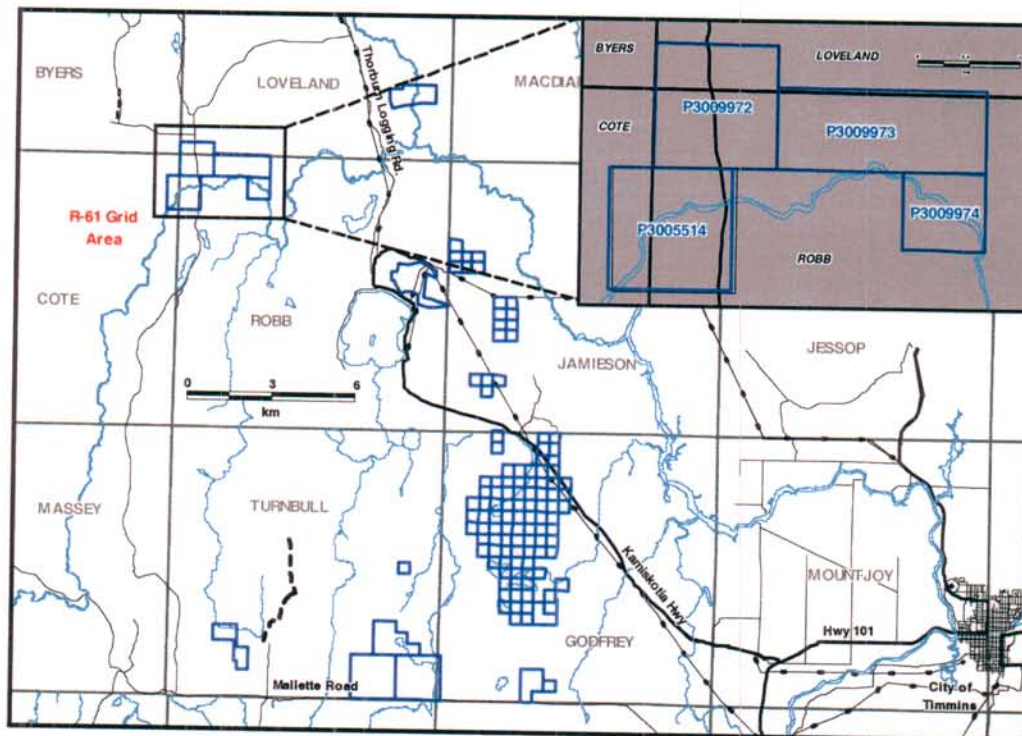


Fig. 1 – Property Location Map

C) Previous Work

A considerable amount of historic work has been completed in the R-61 area by numerous exploration companies. A summary of previous work available from the ERMES assessment database is summarized in Table 2 below.

AFRI File	Company	Work Types	Year
42A12SE0337	Dominion Gulf	EM & Magnetics	1955
42A12SE0277	Dominion Gulf	Geology & Magnetics	1956
42A12SE0333	Mespi Mines	Diamond Drilling	1964
42A12NE0650	Mespi Mines	EM	1965
42A12SE0334	JST Mining Company	Diamond Drilling	1966
42A12SE0306	Cincinnati-Porcupine Mines	Diamond Drilling	1967
42A12SE0296	J. Tesluk	Diamond Drilling	1967
42A12NE0248	Kennecot Exploration	EM & Magnetics	1970
42A12SE0332	Noranda Inc.	Diamond Drilling	1971
42A12SE0336	Noranda Inc.	EM & Magnetics	1971
42A12SE0289	Cominco Ltd.	Diamond Drilling	1974
42A12SE0241	Cominco Ltd.	EM & Magnetics	1975
42A12SE0247	Stellar Resources	VLF & Magnetics	1985
42A12SE0248	Stellar Resources	VLF & Magnetics	1985
42A12SE0240	Stellar Resources	IP	1986
42A12NE0570	Noranda Inc.	Geology	1988
42A12NE0564	Noranda Inc.	EM & Magnetics	1989
42A12NE0567	Noranda Inc.	Diamond Drilling	1989
42A12SE0220	Falconbridge Limited	EM & Magnetics	1990
42A12NE8371	Noranda Inc.	Diamond Drilling	1990
42A12SE0330	Noranda Inc.	Diamond Drilling	1992
42A12SE0019	Falconbridge Limited	Line-cutting, EM & Magnetics	1995
42A12NE0025	Noranda Inc.	Line-cutting, IP & Magnetics	1995
42A12NE2024	John Huot	Diamond Drilling	2001
42A12NE2026	John Huot	Geochemistry	2001
42A12SE2016	John Huot	Diamond Drilling	2001

Table 2 – Historical Work Summary

The most significant work program in the vicinity of the R-61 target was completed by Tesluk Mining Corporation between 1965-1966 who completed approximately 11 drill-holes in the area. The work identified several weak zones of Cu-Zn mineralization associated with felsic volcanic rocks on the western limit of claim P3005514 in Cote Twp. Drilling was also completed by Tesluk approximately 1km to the east of the target but which failed to intersect any volcanic stratigraphy.

A large program of overburden drilling was also carried out by Gulf Minerals north of the property block in 1979 however none of the work covered the specific target on the R-61 grid.

D) Current Work Program

Line-cutting and ground geophysics (HLEM & Mag) were completed over the Robb-61 grid area in March, 2005 and followed up by ground TEM surveying in early 2006. The work identified a strong ground conductor coincident with the targeted AEM anomaly

just south of the Kamiskotia River. Diamond drilling to test the target was contracted to Forage Major of Val d'Or, QC and was initiated in May 2006. Drill-hole R61-01 (221m) was completed in the central portion of the R-61 grid at grid coordinates L12+80E, 10+25N and drilled at azimuth 120° at a dip of -65°. The hole intersected 12m of overburden before coring massive mafic volcanic rocks to 51.9m. A thick sequence felsic fragmental rocks was intersected between 51.9m to 201.9m with an interval of thin mafic intrusives cutting the volcanics between 80.6-103.1m. The felsic rocks displayed weak to moderate quartz-sericite alteration and a zone of increased sulphide mineralization (pyrite-pyrrhotite) between 103-135m. The mineralized zone contained 20-30% sulphides composed primarily of fracture controlled to disseminated pyrrhotite. Trace exsolved chalcopyrite was also found within the pyrrhotite mineralization however no significant base-metals were encountered. Further mafic volcanic rocks were intersected from 201.9m to the end of hole at 221m. No significant assays were returned from geochemical sampling of the hole.

E) Recommendations

The targeted EM conductor was adequately explained by the iron-sulphide mineralization intersected by R61-01 and no significant assays were returned from the hole. Further work on the R-61 target is therefore not recommended. Given the base-metal mineralization intersected by historic work west of the target however, work to identify additional targets along the prospective felsic horizon based on geophysics and whole rock geochemistry should be completed.

F) Personnel

The following persons were involved in the supervision, performance and reporting of this work;

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Timmins, ON

P4R 1B8

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G) References**Ontario Geological Survey**

2003: Geological Compilation of the Abitibi Greenstone Belt – Digital Data,
Ontario Geological Survey MRD 143, scale 1:250,000

ERMES MNDM Website

Various assessment files

**Dean F. Rogers, P.Geo.**

Senior Project Geologist

Xstrata Copper (formerly Falconbridge Limited)

**Date**

Appendices

FL TIMMINS GEOLOGY - ROCK LEGEND - 2001A					
1a. MAIN ROCK DIVISIONS - REGIONAL		2. TEXTURE & GEOCHEMICAL MODIFIERS			
15	Phanerozoic Sediments	A	Fine Grained	N	Variolitic/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 (>84mm)/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<80)	PS	Polysutured
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
1b. MAIN ROCK DIVISIONS - KIDD MINE		FP	Feldspar Phryic	QT	Quench Textured/Chilled
A/D1	"Andesite/Diorite" - Type 1	GB	Gabbroic Textured	RR	Porphyroblastic
A/D2	"Andesite/Diorite" - Type 2	GPH	Graphitic/Argillaceous	RWV	Reworked Volcanic
A/D3	"Andesite/Diorite" - Type 3	H	Tholeiitic	S	Sulphides, Exhalites
A/D4	"Andesite/Diorite" - Type 4	HEV	Highly Evolved (Y>80)	SKC	Skeletal/Crescumulate
AM	Amphibolite	HH	Clast Supported	SS	Hornfels
BA	Black Argillite	HT	Heterolithic	SX	Spinifex
BC	Black Chert	I	Alkalic	T	Pyroclastic
BK	Basaltic Komatiite	IF	Oxide Iron Formation	TKL	Thickly Laminated
CB	Cherty Breccia	II	Matrix Supported	TNL	Thinly Laminated
D	"Dacite"	IBX	In situ Breccia	TUF	Tuff
G	Greywacke	J	Calc-Alkalic	TW	Tuffwacke
MGT	Magnesium Tholeiite	JJ	Granule (grit 2-4mm)	U	High Mg
MMF	Mixed Mafic Fragmental	K	Komatiitic	V	High Fe
MRF	Mixed Rhyolite Fragmental	KK	Pebble (4-64mm)	VBX	Volcanic Breccia
MS	Massive Sulphides	LL	Cobble (64-256mm)	W	High Al
MSC	Massive Sulphides - Mainly CP	LST	Lapillistone	WK	Wacke
MSCS	Massive Sulphides - Mainly CP + SPH	LTF	Lapilli Tuff	WW	fragmental (felsic>mafic)
MSP	Massive Sulphides - Mainly PY	LX	Leucoxene Bearing	X	Andesite
MSPO	Massive Sulphides - Mainly PO	LXP	Leucoxene Bearing -Pink	XX	fragmental (mafic>felsic)
MSS	Massive Sulphides - Mainly SPH	LXW	Leucoxene Bearing -White	Y	Icelandite
MV	Mafic Volcanic	M	Massive	YY	Crystal Tuff (>50% of frags)
PCR	Pyrite - Carbonate Rock	MM	Boulder (>256)	ZZ	Lithic Tuff (>50% of frags)
PK	Pyroxenite Komatiite	MSC	Mesocumulate		
QFP	Quartz Feldspar Porphyry	3. STRUCTURAL TYPES			
QP	Quartz Porphyry	AUG	Augen	GG	Gouge
QV	Quartz Vein	BC	Broken Core	JTQC	Joint - Quartz Carbonate
R	Rhyolite	BD	Bedding	JTR	Joint - Regular
S	Serpentinite	BDN	Boudinage	LCTBRK	Lower Contact - Broken
SM	Semi-Massive Sulphides	BND	Banding	LCTF	Lower Contact - Faulted
TC	Talc-Carbonate	DSK	Discing	LCTGRD	Lower Contact - Gradational
1c. OTHER "ROCK" DIVISIONS		FLD	Fold	LCTSHP	Lower Contact - Sharp
CAS	Casing/Overburden	FLDB	Fold - Broad	MSF	Moderately Schistose/Foliated
BF	Backfill	FLDT	Fold - Tight	MZ	Milled Zone
BT	Break Through	FV	Fractured and Veined	SF	Schistose/Foliated

Jan 14, 2007



DETAILED LOG FALCONBRIDGE LTD.

Page 1 of 8

Hole Number: **R61-01**

Units: METRIC

Project Name: Exploration	Location: Robb Twp.	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -65.00
Project Number: Explor	Section:	Grid: UTM: (P)	Grid: UTM:	Grid: ALT:	Collar Az: 120.00
Claim Number: P3005514	Parent (if wedge):	North: 5384452.00	North: 5384452.00	North: 1025.00	Length: 221.01
Hole Type: Exploration		East: 446488.00	East: 446488.00	East: 1280.00	Start Depth: 0.00
		Elev: 300.00	Elev: 300.00	Elev: 300.00	Final Depth: 221.01
Date Started: May 23, 2006	Collar Survey: N	Pulse EM Survey: Y	Multishot Survey: N	Contractor: MAJOR DOMINIK	
Date Completed: May 27, 2006	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Creek	
Date Entered: May 30, 2006	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: No	
Logged By: drogers				Hole Size: BQ	

Comments: -targeting coincident AEM/TEM anomaly, explained by short semi-massive Po/Py intervals between 100-140m
 -strong alteration in felsics but negligible base-metals
 -no significant BHEM off-hole targets

Directional Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
21.00	121.00	-65.00	EZ	OK	
51.00	122.00	-64.70	EZ	OK	
81.00	121.00	-64.30	EZ	OK	
111.00	123.00	-63.80	EZ	OK	
141.00	125.00	-63.30	EZ	OK	
171.00	125.00	-63.10	EZ	OK	
201.00	127.00	-62.70	EZ	OK	



DETAILED LOG FALCONBRIDGE LTD.

Hole Number: **R61-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 12.00	(CAS) Casing/Overburden				
12.00 TO 51.90	(2) Mafic Volcanic Rocks -fine to med. grained mafic volcanic, dark greenish to black -fairly massive mafic volcanic, weakly in-situ brecciated by gash chlorite veining -possibly some weakly developed pillow selvages -rare accessory felsic fragments -several short intervals of felsic fragmental between 24.2-24.6m, 28.5-29.5m, 49.6-49.75m -siliceous, watery gray & brecciated -5cm zone of pastey fault gouge at 14.75m, otherwise unit fairly competent. minor jointing with very weak foliation	12.00 - 51.90: (M) Massive	14.75 - 14.80: (FZG) Fault Zone - Gouge, pastey, gouge material	12.00 - 51.90: (CHL) Chloritization, (W) Weak, (P) Pervasive -very weakly chloritic, pervasive & fracture controlled 12.00 - 51.90: (CC) Calcite (Calcitic Alt.), (W) Weak, (FV) Fracture/Veined controlled -weakly carbonatized with minor qtz-carb veining	12.00 - 51.90: 0.01% (SPH) Sphalerite, (FV) Fracture/Veined Controlled rare Sph specks w/in qtz-calcite veins 12.00 - 51.90: 0.1% (PY) Pyrite, (FV) Fracture/Veined Controlled tr. Py along qtz-calcite veins
51.90 TO 80.60	(4) Felsic Volcanic Rocks -gradational uphole contact over 15cm, unit also displays intermixing between mafics and felsic units over upper 6-7m of unit -watery gray to pale yellowy-green with pervasivesericite alteration -well banded/folded felsic volcanic, unit is likely fragmental, accentuated by alteration -banding/bedding? variable but predominantly at ~45deg. TCA -weakly qtz-phyric locally, but overall, largely aphyric -cherty, glassy appearance, possibly due to silicification -felsic fragments appear to be from 2-5cm in diameter, set in a granular ash matrix -short mafic volcanic intervals between 53.4-54.65, 55.8-59.4, -contacts with these intervals are sharp but irregular, possibly intrusive?	51.90 - 80.60: (F) Fragmental 51.90 - 80.60: (LTF) Lapilli Tuff	51.90 - 80.60: (MSF) Moderately Schistose/Foliated, 45 Deg to CA weak banding, transposed bedding & foliation	51.90 - 80.60: (SI) Silicification, (M) Moderate, (P) Pervasive pale watery, pervasive silicification 51.90 - 80.60: (SE) Sericitization, (M) Moderate, (P) Pervasive mod. to strong pervasive sericite alteration	51.90 - 80.60: 0.1% (PO) Pyrrhotite, (FV) Fracture/Veined Controlled tr Po associated with Py veinlets 51.90 - 80.60: 1% (PY) Pyrite, (FV) Fracture/Veined Controlled tr-1% fracture controlled Py, rarely disseminate 51.90 - 80.60: 0.1% (SPH) Sphalerite, (FV) Fracture/Veined Controlled tr. Sph specks along Py veins



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **R61-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
80.60 TO 103.10	<p>(3HT) Heterolithic Volcanic Rocks -gradational uphole contact -unit consists of a complex mixture of relatively massive mafic units and strongly altered felsic volcanic fragmentals as marked out below -unit is fairly blocky however no significant evidence of faulting</p> <p>-mafic units are dark green and med. to coarse-grained locally, relatively massive with sharp, irregular contacts suggesting possible intrusive origin -chill margins observed on some units however other show weak banding texture suggesting possible tufts/sediments</p> <p>-felsic units units are similar to those uphole, displaying prominent banded textures and moderate sericite alteration and silicification</p> <p>80.60 - 84.90 (7) Mafic Intrusive Rocks -sharp contact with coarser-grained interior portion 84.90 - 91.00 (4) Felsic Volcanic Rocks -distinct fragmental textures, lapilli-tuff -minor intercalated mafic/wacke beds 91.00 - 92.60 (7) Mafic Intrusive Rocks -sharp contacts, massive and relatively featureless 92.60 - 98.10 (4) Felsic Volcanic Rocks -felsic fragmental, lapillistone -marked increase in qtz-sericite alteration 98.10 - 99.60 (7) Mafic Intrusive Rocks 99.60 - 100.30 (4) Felsic Volcanic Rocks -watery gray, massive -possibly a fragment/raft within mafic intrusive unit above and below</p>	<p>80.60 - 103.10: (F) Fragmental felsic units likely are fragmental in origin, mafic component is likely mostly intrusive</p>	<p>80.60 - 103.10: (MSF) Moderately Schistose/Foliated, 60 Deg to CA</p>	<p>80.60 - 103.10: (SI) Silicification, (M) Moderate, (P) Pervasive within felsic components of mixed unit 80.60 - 103.10: (SE) Sericitization, (M) Moderate, (P) Pervasive within felsic components of mixed unit</p>	<p>80.60 - 103.10: 0.5% (PY) Pyrite, (FV) Fracture/Veined Controlled tr. Py+/- Po mineralization along fracture & fol/n planes 80.60 - 103.10: 1% (PO) Pyrrhotite, (FV) Fracture/Veined Controlled weak Po mineralization, often remobilized along fractures</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **R61-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
100.30 - 103.10 TO 103.10 TO 151.10	<p>100.30 - 103.10 (7) Mafic Intrusive Rocks -med. to coarse grained, sharp uphole contact</p> <p>(4) Felsic Volcanic Rocks -sharp uphole contact with mafic intrusive unit above -dark to watery gray, yellowish green with strong sericite alteration</p> <p>-unit marked by abrupt decrease in intensity of mafic dyking and appearance of significant sulphide mineralization -well developed fragmental textures with massive, cherty rhyolite clasts (2-4cm) set in a strongly sericitic groundmass -weakly Qtz-phynic locally</p> <p>-overall unit contains 3-5% sulphides (Po-Py) as fractures, clots and disseminations, generally along fol'n/bedding planes, but locally reaching semi-massive over short 10-30cm intervals as noted -sulphides are granular/sugary in texture and where greater percentages occur, appear to cement short zones of internal brecciation. -higher concentrations between 109.4-110.2m, 125.8-126.5m & 135.0-135.3m are likely the cause of the AEM/TEM response</p> <p>-minor mafic dykes similar to those above between 111.2-113.2m & 115.2-117.6m</p>	<p>103.10 - 151.10: (QP) Quartz Phryic/Porphyry 2-3% subrounded Qtz-phenocrysts sporadically throughout unit 103.10 - 151.10: (LST) Lapillstone well developed fragmental texture 103.10 - 151.10: (S) Sulphides, Exhalites fracture controlled to clotty Po+Py mineralization</p>	<p>103.10 - 151.10: (MSF) Moderately Schistose/Foliated, 60 Deg to CA</p>	<p>103.10 - 151.10: (SE) Sericitization, (S) Strong, (P) Pervasive strong pervasive and fracture controlled sericite, decreasing towards bottom of unit 103.10 - 151.10: (SI) Silicification, (M) Moderate, (P) Pervasive cherty, pervasive silicification</p>	<p>103.10 - 151.10: 0.1% (CP) Chalcopyrite, (D) Disseminated/Blebbly -tr. Cpy specks exsolved from Po within unit 103.10 - 151.10: 5% (PO) Pyrrhotite, (FV) Fracture/Veined Controlled -up to 5% overall outside of more concentrated intervals below disseminated and clotty to discreetly veined 103.10 - 151.10: 3% (PY) Pyrite, (FV) Fracture/Veined Controlled -up to 3% overall outside of more concentrated intervals below 109.40 - 110.20: 5% (PO) Pyrrhotite, (S) Stringer -associated with stringer Py within interval 109.40 - 110.20: 15% (PY) Pyrite, (S) Stringer -granular, stringery Py with minor associated Po 125.80 - 126.50: 15% (PO) Pyrrhotite, (S) Stringer -predominantly Po, massive to semi-massive over 10cm intervals 125.80 - 126.50: 5% (PY) Pyrite, (S) Stringer -Py associated with Po within interval 135.00 - 135.30: 5% (PY) Pyrite, (S) Stringer -minor Py associated in interval 135.00 - 135.30: 25% (PO) Pyrrhotite, (S) Stringer -predominantly Po, semi-massive</p>



DETAILED LOG FALCONBRIDGE LTD.

Hole Number: **R61-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
151.10 TO 201.90	<p>(4) Felsic Volcanic Rocks</p> <p>-sharp uphole contact defined by first appearance of mafic dyking and relatively abrupt decrease in alteration and mineralization in felsic unit</p> <p>-dark gray to greenish gray</p> <p>-well banded/bedded felsic fragmental unit consisting of watery gray felsic clasts set in a weakly chloritic groundmass</p> <p>-clasts comprise >75% of felsic portions of unit</p> <p>-weakly qtz-phyric locally</p> <p>-abrupt decrease in sulphide content, minor disseminated to clotty Py/Py with rare discreet Py veins</p> <p>-significant mafic dyking within unit which composes ~ 50% of unit</p> <p>-dark green and fine to med. grained with chill margins apparant on some intervals</p> <p>-dykes between 151.1-151.6m, 153.3-154.9m, 155.6-156.7m, 162.7-164.4m, 166.3-171.8m, 175.2-176.1m, 180.6-183.0, 185.5-188.1m, 191.7-198.4m</p> <p>-dykes become wider and more abundant towards base of unit</p>	<p>151.10 - 201.90: (F) Fragmental</p> <p>151.10 - 201.90: (LST) Lapillistone</p>	<p>151.10 - 201.90: (MSF) Moderately Schistose/Foliated, 60 Deg to CA</p>	<p>151.10 - 201.90: (SI) Silicification, (M) Moderate, (P) Pervasive</p> <p>151.10 - 201.90: (SER) Serpentinization, (W) Weak, (P) Pervasive</p> <p>151.10 - 201.90: (CHL) Chloritization, (W) Weak, (FV) Fracture/Veined controlled</p>	<p>151.10 - 201.90: 1% (PY) Pyrite, (D) Disseminated/Blebbly</p> <p>151.10 - 201.90: 2% (PO) Pyrrhotite, (D) Disseminated/Blebbly</p>
201.90 TO 221.00	<p>(2) Mafic Volcanic Rocks</p> <p>-sharp but broken uphole contact, possibly faulted</p> <p>-dark green to dark gray, fine-grained</p> <p>-well banded/bedded tuffaceous predominantly mafic in composition but with minor interbedded cherty horizons and possibly felsic units</p> <p>-graywacke/sedimentary appearance locally</p> <p>-possibly similar to mixed unit above but mafic component appears more distinctly fragmental/tuffaceous</p> <p>-minor sulphides (diss/clotty Po) within more felsic portions and rarely in late qtz/calcite veins</p> <p>-weak pervasive silicification, mod to strong qtz/calcite veining within upper 6-7m of unit but decreases abruptly downhole</p>	<p>201.90 - 221.00: (TUF) Tuff</p> <p>201.90 - 221.00: (A) Fine Grained</p>	<p>201.90 - 221.00: (WSF) Weakly Schistose/Foliated, 45 Deg to CA</p>	<p>201.90 - 221.00: (CC) Calcite (Calcitic Alt.), (W) Weak, (FV) Fracture/Veined controlled</p> <p>201.90 - 221.00: (CHL) Chloritization, (W) Weak, (P) Pervasive</p> <p>201.90 - 221.00: (SI) Silicification, (W) Weak, (P) Pervasive</p>	

Jan 14, 2007



**DETAILED LOG
FALCONBRIDGE LTD.**

Page 6 of 8

Hole Number: **R61-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
221.00 TO 221.01	(EOH) End of Hole				

Jan 14, 2007



**DETAILED LOG
FALCONBRIDGE LTD.**

Page 8 of 8

Hole Number: **R61-01**

Units: METRIC

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	Mineralization	Alteration	Comments
AV03835	36.00	39.00	3.00			52.10	0.85	16.41	10.51	0.17	5.70	6.69	3.11	0.99	0.12		2.54	99.26		18	104	3	66			
AV03836	60.00	63.00	3.00			71.76	0.07	14.69	1.75	0.02	0.19	0.99	4.39	3.92	0.01		0.84	98.67		102	82	3	61			
AV03837	81.00	84.00	3.00			45.95	1.19	15.24	13.66	0.24	7.17	10.40	1.46	1.19	0.15		2.71	99.43		20	78	18	65			
AV03838	93.00	96.00	3.00			71.06	0.07	14.77	1.70	0.04	0.28	1.91	4.26	3.06	0.01		1.27	98.51		87	79	3	23			
AV03839	144.00	147.00	3.00			72.77	0.05	14.37	1.84	0.03	0.16	1.30	4.61	2.13	0.01		1.38	98.71		79	86	79	31			
AV03840	159.00	162.00	3.00			72.45	0.06	14.25	1.65	0.04	0.34	1.64	5.41	1.60	0.01		1.23	98.91		73	81	75	40			
AV03841	192.00	195.00	3.00			52.68	1.17	15.19	11.38	0.17	4.79	8.22	2.35	1.21	0.21		2.45	99.91		26	142	117	56			
AV03842	204.00	206.00	2.00			47.04	0.76	15.63	12.61	0.22	7.87	8.98	1.81	1.52	0.12		3.12	99.75		16	76	3	106			



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Swastika Laboratories Ltd

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Page 1 of 2

Geochemical Analysis Certificate


6W-1707-RG1

Company: **FALCONBRIDGE LIMITED**
Project: 032
Attn: C.David

Date: JUN-15-06

We hereby certify the following Geochemical Analysis of 50 Core samples submitted JUN-09-06 by .

Sample Number	Au_PPB	Cu_gpt	Zn_gpt	Pb_gpt	Ag_gpt	Ni_gpt	Co_gpt
AV05401	<2	122	114	4	0.1	255	59
AV05402	7	367	136	43	0.7	327	65
AV05403	2	45	79	1	0.1	3	4
AV05404	2	57	77	1	0.1	2	4
AV05405	2	74	93	1	0.1	42	26
AV05406	2	200	97	1	0.2	43	31
AV05407	3	62	95	1	0.1	43	26
AV05408	62	55	191	1	0.1	115	30
AV05409	<2	35	69	1	0.1	122	27
AV05410	14	93	4510	1260	0.8	111	45
AV05411	5266	1470	5060	223	6.8	71	49
AV05412	3	64	159	4	0.1	155	29
AV05413	3	59	115	4	0.1	100	23
AV05414	31	93	68	1	0.2	92	24
AV05415	<2	54	64	1	0.1	56	17
AV05416	2	71	83	2	0.1	88	24
AV05417	7	100	67	1	0.1	42	19
AV05418	51	247	464	1	0.2	85	40
AV05419	21	773	197	3	1.2	93	39
AV05420	31	536	730	2	0.8	86	79
AV05421	14	263	472	3	0.3	89	46
AV05422	10	139	394	2	0.1	53	29
AV00540	4930	1480	5040	216	6.8	65	48
AV00514	3	22	33	1	0.1	4	2
AV00515	2	17	50	1	0.1	3	2
AV00516	3	23	274	1	0.1	11	7
AV00517	38	83	333	1	0.3	17	33
AV00518	<2	25	32	1	0.1	6	4
AV00519	<2	39	77	1	0.1	48	17
AV00520	3	47	86	1	0.1	23	14

Certified by 



Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Page 2 of 2

6W-1707-RG1


Geochemical Analysis Certificate

Date: JUN-15-06

Company: **FALCONBRIDGE LIMITED**
Project: 032
Attn: C.David

We hereby certify the following Geochemical Analysis of 50 Core samples submitted JUN-09-06 by .

Sample Number	Au_PPB	Cu_gpt	Zn_gpt	Pb_gpt	Ag_gpt	Ni_gpt	Co_gpt
AV00521	<2	68	110	1	0.1	60	21
AV00522	<2	29	101	1	0.1	52	13
AV00523	<2	28	35	1	0.1	13	4
AV00524	<2	41	27	1	0.1	13	8
AV00525	<2	83	81	1	0.2	22	13
AV00526	<2	41	109	1	0.1	10	13
AV00527	<2	25	68	1	0.1	6	7
AV00541	5150	1460	5040	218	6.7	66	48
AV00528	<2	22	13	1	0.1	2	8
AV00529	<2	21	33	1	0.1	9	10
AV00530	<2	28	17	1	0.1	10	8
AV00531	<2	19	31	1	0.1	16	6
AV00532	206	273	73	1	0.5	99	51
AV00533	<2	34	8	1	0.1	5	4
AV00534	<2	44	8	1	0.1	2	4
AV00535	213	47	16	1	0.1	1	5
AV00536	10	56	10	1	0.1	3	6
AV00537	<2	28	37	1	0.1	11	7
AV00538	165	33	11	1	0.1	3	4
AV00542	4913	1470	5040	216	7.1	68	46
Blank	<2	-	-	-	-	-	-
STD OxJ47	2455	-	-	-	-	-	-

Certified by 

Assaye Canada

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

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

Report No : 6W1973RL

Date : Jul-26-06

ALCONBRIDGE (EXPL) LTD

Attention:

Project: 032

Sample type:


ICP-AES 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 %	P ₂ O ₅ %	MnO %	BaO %	Cr ₂ O ₃ %	Be ppm	Co ppm	Cu ppm	Nb ppm	Ni ppm	Rb ppm	Sc ppm	Sr ppm	V ppm	Y ppm	Zn ppm	Zr ppm	LOI %	Total %	C %	S %
V 03345	46.95	14.67	12.11	13.44	4.02	2.00	0.11	0.90	0.07	0.26	0.01	0.03	<5	54	63	<10	91	<100	36	110	294	17	58	54	4.49	99.08	0.97	0.07
V 03346	44.64	14.21	14.35	13.88	7.12	0.97	0.04	0.94	0.08	0.20	<0.01	0.04	<5	61	115	<10	94	<100	38	76	288	18	70	84	2.47	98.98	0.08	0.26
V 03347	57.26	15.52	8.08	4.59	4.11	5.58	0.20	1.05	0.27	0.12	0.01	0.01	<5	33	42	<10	133	<100	17	152	163	16	78	142	2.15	98.95	0.11	0.13
V 03348	47.05	13.98	15.85	7.38	5.26	3.85	0.02	1.21	0.09	0.25	0.01	0.02	<5	65	93	11	100	<100	44	103	370	25	60	78	4.06	99.07	0.46	1.25
V 03349	46.99	13.90	16.15	7.27	5.57	3.74	0.02	1.22	0.09	0.28	0.01	0.02	<5	65	84	15	55	<100	45	92	389	26	60	83	3.92	99.21	0.52	0.60
V 03835	52.10	16.41	10.51	6.69	5.70	3.11	0.99	0.85	0.12	0.17	0.02	0.02	<5	44	<5	<10	97	<100	23	149	183	18	66	104	2.54	99.26	0.07	0.02
V 03836	71.76	14.69	1.75	0.99	0.19	4.39	3.92	0.07	<0.01	0.02	0.09	0.01	<5	<5	<5	<10	<5	<100	<5	96	<5	102	61	82	0.84	98.67	0.13	0.38
V 03837	45.95	15.24	13.66	10.40	7.17	1.46	1.19	1.19	0.15	0.24	0.02	0.03	<5	57	18	<10	159	<100	33	165	310	20	65	78	2.71	99.43	0.21	0.10
V 03838	71.06	14.77	1.70	1.91	0.28	4.26	3.06	0.07	<0.01	0.04	0.10	0.02	<5	<5	<5	<10	41	<100	<5	99	<5	87	23	79	1.27	98.51	0.25	0.31
V 03839	72.77	14.37	1.84	1.30	0.16	4.61	2.13	0.05	<0.01	0.03	0.05	0.03	<5	<5	79	10	27	<100	<5	57	37	79	31	86	1.38	98.71	0.22	0.25
V 03840	72.45	14.25	1.65	1.64	0.34	5.41	1.60	0.06	<0.01	0.04	0.07	0.02	<5	2150	75	<10	26	<100	<5	104	<5	73	40	81	1.23	98.91	0.25	0.04
V 03841	52.68	15.19	11.38	8.22	4.79	2.35	1.21	1.17	0.21	0.17	0.02	0.03	<5	42	117	<10	99	<100	24	175	204	26	56	142	2.45	99.91	0.18	0.11
V 03842	47.04	15.63	12.61	8.98	7.87	1.81	1.52	0.76	0.12	0.22	0.03	0.01	<5	52	<5	<10	243	<100	22	149	189	16	106	76	3.12	99.75	0.16	0.02
V 05422	50.07	14.27	13.03	10.49	6.43	1.00	<0.01	1.14	0.10	0.20	<0.01	0.03	<5	48	<5	<10	55	<100	38	256	335	21	46	81	2.92	99.71	0.03	0.10
V 05423	58.78	15.82	7.35	6.39	3.78	3.74	0.04	0.65	0.14	0.12	<0.01	0.02	<5	29	<5	<10	50	<100	16	166	130	15	40	125	2.82	99.66	0.24	0.33
V 05424	68.03	12.96	5.65	3.05	1.53	2.70	1.73	0.63	0.12	0.06	0.06	0.03	<5	13	404	<10	<5	<100	11	102	81	50	37	251	2.84	99.41	0.44	0.12
V 05425	59.01	15.95	6.18	7.97	3.25	3.04	0.10	0.65	0.13	0.12	<0.01	0.02	<5	20	<5	<10	41	<100	14	146	152	15	47	125	2.54	98.95	0.22	0.09
V 05426	58.74	17.06	5.84	6.65	3.27	3.97	0.46	0.69	0.14	0.11	0.02	0.03	<5	20	<5	<10	50	<100	16	176	137	17	39	134	2.75	99.74	0.24	0.07
V 05427	68.61	13.33	5.71	3.76	1.61	3.30	0.85	0.66	0.13	0.06	0.03	0.02	<5	14	<5	<10	6	<100	12	199	108	50	35	248	1.57	99.63	0.07	0.21

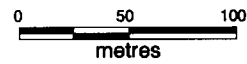
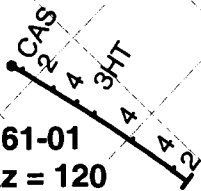
These elements are not included in the total column: C, S

Sample is fused with Lithium metaborate and dissolved in dilute HNO₃.

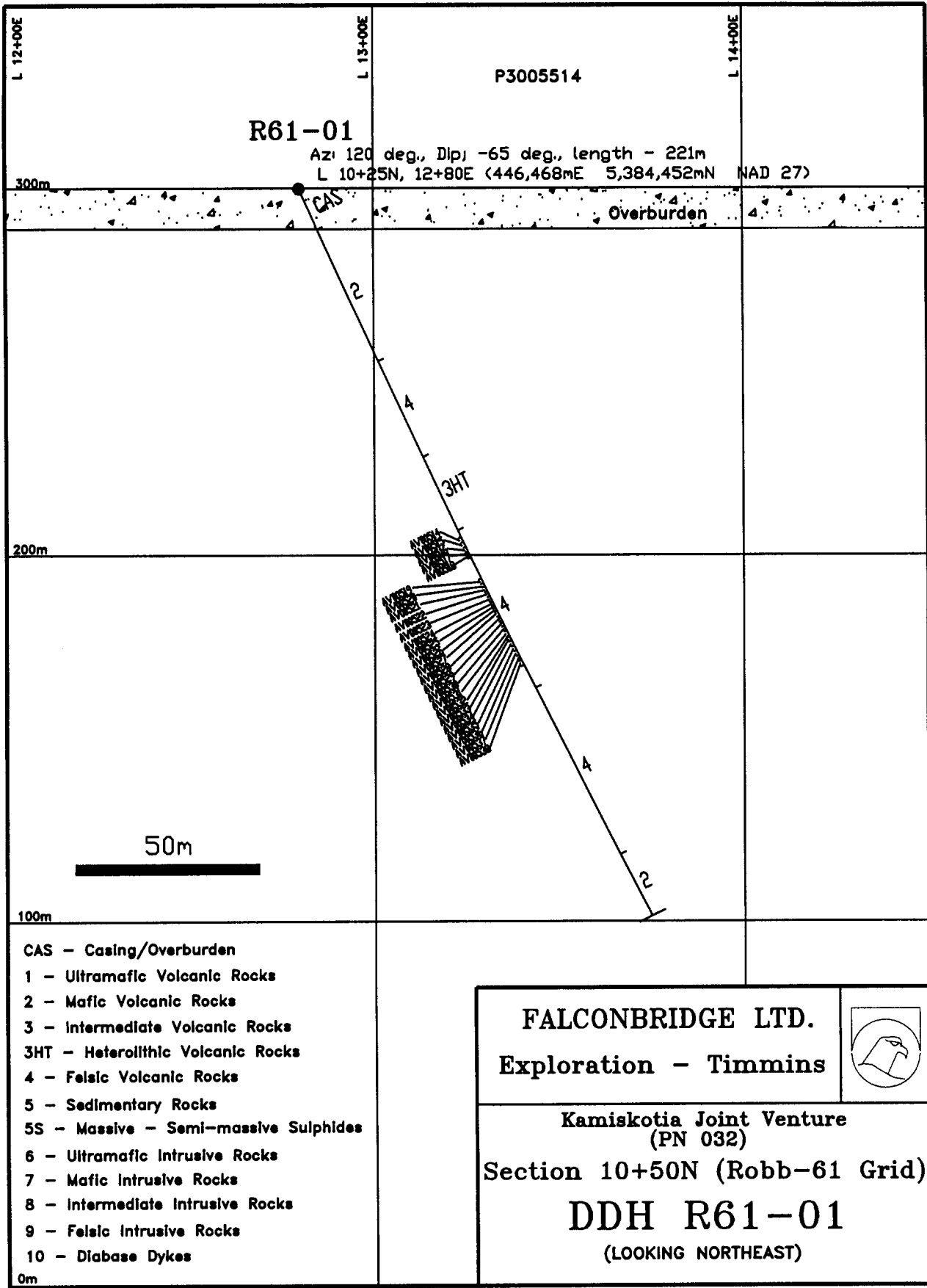
Signed: 

P3005514

R61-01
Az = 120
Dip = -65
Len = 221m
L10+25N, 12+80E
446,468mE, 5,384,452mE



FALCONBRIDGE LIMITED	
Exploration Division	Timmins, ONTARIO
Robb Twp.	Kamiskotia JV (PN 032)
Plan Map (R-61 Grid)	
DDH R61-01	
1:3,500 (NAD 27)	



P3005514

R61-01

Azi 120 deg., Dip -65 deg., length - 221m
 L 10+25N, 12+80E (446,468mE 5,384,452mN NAD 27)

300m

Overburden

200m

50m

100m

- CAS - Casing/Overburden
- 1 - Ultramafic Volcanic Rocks
- 2 - Mafic Volcanic Rocks
- 3 - Intermediate Volcanic Rocks
- 3HT - Heterolithic Volcanic Rocks
- 4 - Felsic Volcanic Rocks
- 5 - Sedimentary Rocks
- 5S - Massive - Semi-massive Sulphides
- 6 - Ultramafic Intrusive Rocks
- 7 - Mafic Intrusive Rocks
- 8 - Intermediate Intrusive Rocks
- 9 - Felsic Intrusive Rocks
- 10 - Diabase Dykes

FALCONBRIDGE LTD.
 Exploration - Timmins



Kamiskotia Joint Venture
 (PN 032)
 Section 10+50N (Robb-61 Grid)
DDH R61-01
 (LOOKING NORTHEAST)

0m