

REPORT ON DIAMOND DRILLING

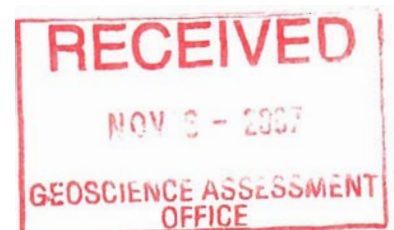
Kamiskotia MegaTEM Project
Loveland, Byers & Moberly Twps.
Porcupine Mining Division

NTS: 42A/12

PROJ #563

FALCONBRIDGE LIMITED
October 15th, 2007

2.36297



SUMMARY AND RECOMMENDATIONS

A diamond drilling program was carried out on several Falconbridge properties in Loveland, Byers and Moberly Twps., Porcupine Mining Division. Drilling was completed in three phases between Dec. 2nd, 2004 and June 23rd, 2005. Bradley Bros. Limited of Timmins, ON completed a single hole in late 2004 followed by Orbit Drilling of Val d'Or, QC who completed 5 holes in May of 2005. A 7th hole was also completed with helicopter support by Norex Drilling of South Porcupine, ON in mid-2005. A total of 1,613m of drilling was completed in seven drill-holes aimed at evaluating geophysical anomalies previously identified on the properties by MegaTEM airborne surveying.

Apart from minor stringer pyrrhotite mineralization within mafic volcanic rocks intersected in L52-01, all the remaining conductors targeted were found to be sourced by sulphidic interflow sediments and iron formations, intercalated within mafic volcanic flows. A narrow felsic volcanic unit displaying weak to moderate sericite alteration was intersected in DDH BY55-01 however the source of the conductor on the grid was ultimately found to be caused by interflow sediments. Although some weakly anomalous assays were returned from within the sedimentary rocks, no economic sulphides were intersected by any of the holes. Further work on any of the target areas is not recommended.

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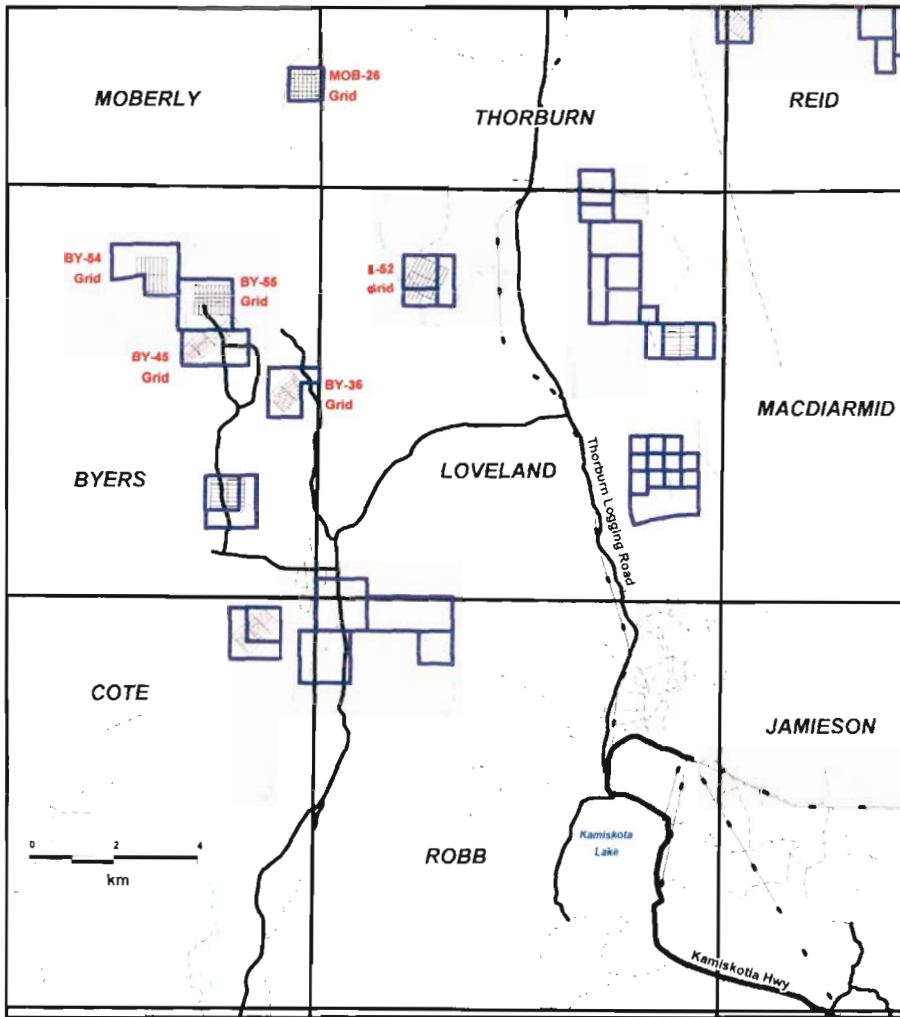
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PROPERTY, LOCATION & ACCESS

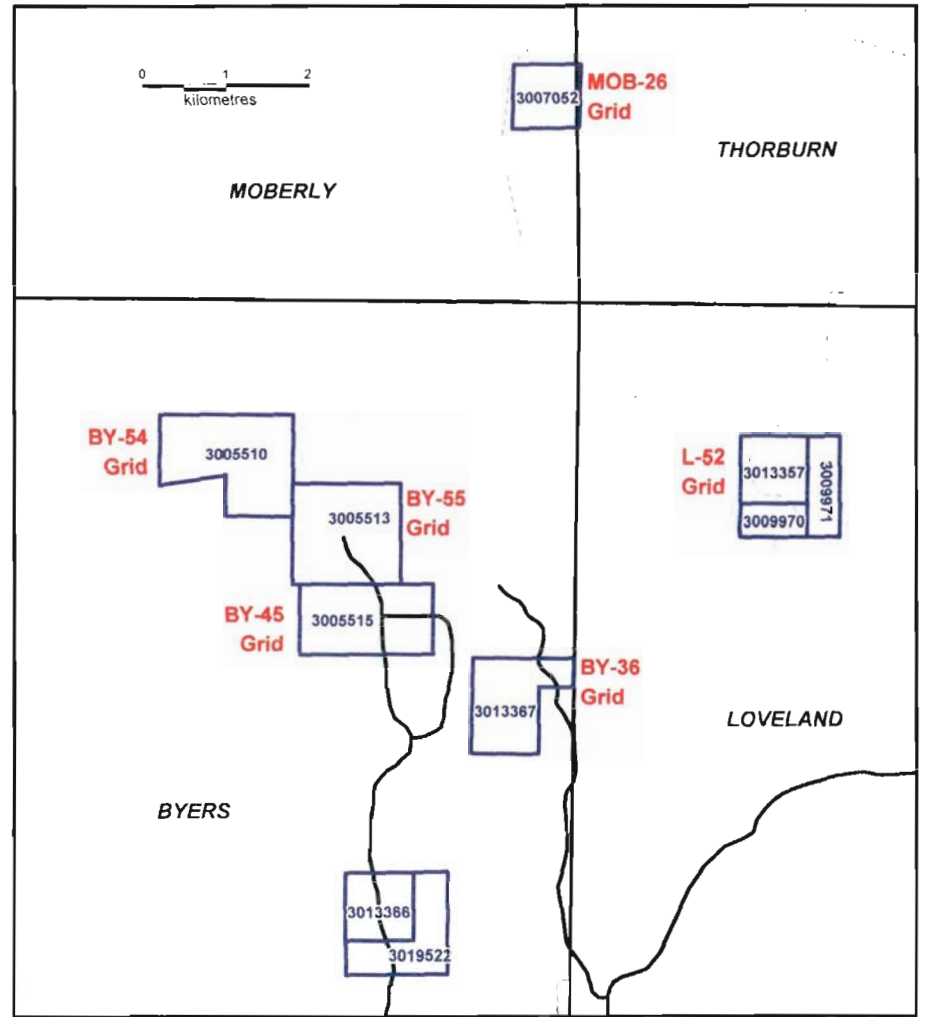
A diamond drilling program was completed over several Falconbridge Limited properties in the Kamiskotia area aimed at evaluated airborne conductors identified by the 2003 Discover Abitibi Kamiskotia MegaTEM survey. The property area is located approximately 40km northwest of city of Timmins, ON in Loveland, Byers and Moberly Twps. Main access to the property is via the Thorburn logging road which branches westward off the Kamiskotia Hwy just north of Kamiskotia Lake. The individual grid areas are accessed through a series of existing secondary bush and logging roads which turn off of the logging road (see map). The property consists of four isolated claim blocks totalling 48 units in 8 individual claims. The claims were recorded between Nov. 5th, 2003 and Sept. 1st, 2004 and are all registered to Falconbridge Limited. A listing of the mining claims comprising the properties is given in the table below (Table 1).

Property	Township	Claim	Units	Recording Date	Due Date	\$\$ Required
L-52	Loveland	3013357	4	Nov. 5th, 2003	Nov. 5th, 2007	\$1,600
	Loveland	3009970	2	Sept. 1st, 2004	Sept. 1st, 2008	\$800
	Loveland	3009971	3	Sept. 1st, 2004	Sept. 1st, 2008	\$1,200
BY-36	Byers	3013367	7	Nov. 5th, 2003	Nov. 5th, 2007	\$2,800
BY-45	Byers	3005515	8	Nov. 5th, 2003	Nov. 5th, 2007	\$3,200
BY-55	Byers	3005513	10	Nov. 5th, 2003	Nov. 5th, 2007	\$4,000
MOB-26	Moberly	3007052	4	Nov. 5th, 2003	Nov. 5th, 2010	\$1,600
BY-54	Byers	3005510	10	Nov. 5th, 2003	Nov. 5th, 2007	\$4,000

Table 1 – Property Description



Property Location and Access



Falconbridge Property Map

PREVIOUS WORK

Summaries of historical work completed on the individual property blocks are provided in the tables below.

1) L-52 Property

AFRI File	Company	Work Types	Year
42A12NE0630	Payrock Mines	EM & Magnetism	1964
42A12NE0790	Payrock Mines	Diamond Drilling	1964
42A12NE0595	Int. Bibis Tin Mines	Diamond Drilling	1965
42A12NE0643	M. Denomme	EM	1966
42A12NE0618	Noranda Exploration	Geology	1971
42A12NE0655	D. Meunier	Geochemistry	1973
42A12NE0606	Noranda Exploration	EM & Magnetism	1974

2) BY-36 Property

AFRI File	Company	Work Types	Year
42A12NE0694	Texas Gulf Sulphur	Diamond Drilling	1961
42A12NE0632	Mespi Mines	EM & Magnetism	1963
42A12NE0646	Mespi Mines	Geology, EM & Magnetism	1963
42A12NE0597	Mespi Mines	Diamond Drilling	1964
42A12NE0593	Mespi Mines	Diamond Drilling	1965
42A12NE0647	Mespi Mines	EM	1965
42A12NE0656	Mespi Mines	EM	1965
42A12NE0626	Hollinger Mines	Geology & VLF	1967
42A12NE8907	Noranda Exploration	VLF & Magnetism	1970
42A12NE0619	Cominco	EM	1971
42A12NE0660	Cominco	Diamond Drilling	1972
42A12NE0661	Cominco	Diamond Drilling	1972
42A12NE8909	Cominco	Magnetism	1972
42A12NE0594	Cominco	Diamond Drilling	1973
42A12NE0855	Cominco	IP	1973
42A12NE0580	Unknown	Diamond Drilling	1974
42A12NE0785	Hollinger Mines	Diamond Drilling & Geochemistry	1974
42A12NE0581	Hollinger Mines	Diamond Drilling	1975
42A12NE0605	Cominco	Magnetism	1975
42A12NE0659	Cominco	Diamond Drilling & Geochemistry	1975
42A12NE0782	Hollinger Mines	Diamond Drilling	1975
42A12NE0654	Cominco	EM	1977

3) BY-45, BY-54 & BY-55 Property

AFRI File	Company	Work Types	Year
42A12NE0657	Int. Helium Company	EM	1964
42A12NW0105	Mespi Mines	EM	1965
42A12NW0109	Mespi Mines	Diamond Drilling	1965
42A12NW0103	Cominco	Magnetism	1973
42A12NE0999	Cominco	EM	1974
42A12NW0101	Pamorex Minerals	VLF & Magnetism	1989

4) MOB-26 Property

AFRI File	Company	Work Types	Year
42A13SE0096	Mespi Mines	EM	1966
42A13SE0604	Hollinger Mines	Diamond Drilling & Geochemistry	1977
42A13SE0145	Amax Potash	EM & Magnetics	1978
42A12NE0011	Noranda Exploration	EM & Magnetics	1988
42A12NE0014	Noranda Exploration	Geology	1988
42A12NE0601	Noranda Exploration	EM & Magnetics	1988
42A12NE0012	Noranda Exploration	EM & Magnetics	1989
42A12NE0005	Noranda Exploration	Diamond Drilling	1990
42A12NE8656	Noranda Exploration	Diamond Drilling	1991
42A13SE2009	Inco	EM	2001

CURRENT WORK PROGRAM

Ground HLEM (Max-Min) surveying was completed in mid-2004 to more clearly define several airborne anomalies identified from the 2003 Discover Abitibi Kamiskotia MegaTEM survey. Based on the survey results, diamond drilling was proposed on six separate property blocks. Drilling was completed in three phases between Dec. 2nd, 2004 and June 23rd, 2005. Bradley Bros. Limited of Timmins, ON completed a single hole in late 2004 followed by Orbit Drilling of Val d'Or, QC who completed 5 holes in May of 2005. A 7th hole was also completed with helicopter support by Norex Drilling of South Porcupine, ON in mid-2005. A total of 1,613m of drilling was completed in seven drill-holes. Results of the drilling on each property block are summarized below.

DDH	Easting	Northing	Azimuth	Dip	Casing	Length	Start	Finish
L52-01	448,822	5,393,156	205	-50	43	244	2-Dec-04	6-Dec-04
BY36-01	445,742	5,390,584	180	-50	29	183	26-Apr-05	30-Apr-05
BY45-01	443,900	5,391,925	45	-50	29	201	1-May-05	5-May-05
BY55-01	444,035	5,392,575	0	-50	22	297	6-May-05	8-May-05
BY55-02	443,950	5,392,716	145	-50	49	249	10-May-05	14-May-05
MOB26-01	446,165	5,397,660	295	-50	74	225	24-May-05	28-May-05
BY54-01	442,527	5,393,295	340	-50	30	214	21-Jun-05	23-Jun-05

Table 2 – DDH Summary

1) L52-01

Drill-hole L52-01 (244m) targeted a relatively weak HLEM anomaly defined largely from the 3,555Hz frequency. The hole encountered 43m of overburden before coring a sequence of mafic volcanic rocks cut by several intermediate to felsic

intrusives. Although no obvious explanation for the conductor was identified from the hole, subsequent borehole EM surveys identified a prominent in-hole conductor and indicated that the source of the surface conductor was related to minor stringer pyrrhotite mineralization intersected at ~108m. No anomalous assays were returned and no geochemically alteration was apparent from whole rock sampling. Additional work on the target is not recommended.

2) BY36-01

Max-Min surveys defined a moderate strength conductor but which displayed a strong magnetic association not originally apparent in the airborne data. DDH BY36-01 (183m) also intersected a sequence of intermediate to mafic volcanic rocks with minor felsic intrusives. Intercalated within the volcanics between 47-82m were multiple sedimentary horizons and iron formations carrying variable concentrations (1-5%) of pyrite and pyrrhotite mineralization. These interflow units were likely the source of the EM conductor. Weakly anomalous Cu (1,070ppm over 0.15m) was intersected within one sedimentary horizon at 60.7m however no economic base-metal values were encountered. Borehole EM surveys of the hole were not possible due to bad ground and cave encountered between 65-87m however given the geological environment and presence of sedimentary units to explain the conductor, further work on the target is not warranted.

3) BY45-01

HLEM surveying only defined a very weak response over the primary target on the southern portion of the BY-45 grid. A much stronger EM response with a coincident magnetic anomaly was however identified on the northern half of the grid. The anomaly was drill tested by DDH BY45-01 (201m) which intersected a thick succession of mafic volcanic rocks with intercalated sedimentary horizons. The targeted conductor was explained by thick iron formations intersected between 70-78m and 89-96m which carried discontinuous laminations of pyrrhotite (+/-pyrite). No significant. Borehole EM surveys identified a strong off-hole anomaly associated with the iron-formations between 70-90m however no significant assays were returned from the hole and given the geological environment, additional drilling on the target is not warranted.

4) *BY55-01/02*

BY55-01 targeted a broad HLEM response of relatively weak strength but which was partly obscured by an apparent diabase dyke trending north-south through the grid area. DDH BY55-01 (297m) cored predominantly mafic volcanic rocks but also intersected a thin unit of sericite altered felsic volcanic between 141.7-168.6m. Only minor disseminated sulphides were encountered and no apparent source for the HLEM conductor was intersected. Borehole EM surveys identified a strong off-hole anomaly associated with the felsic horizon and a second hole, BY55-02 was collared to test the off-hole response. The hole intersected intervals of sulphidic iron formation between 65-74m and 92-95m to explain the targeted off-hole anomaly. Weakly anomalous Zn values were returned from the latter horizon (up to 4,260ppm / 0.65m) however no economic values were realized. Having adequately explained the anomaly, further work on the target is not recommended.

5) *MOB26-01*

MOB26-01 (225m) targeted a low amplitude HLEM response trending northeast along the margin of a strong magnetic anomaly. Approximately 74m of overburden were encountered before the hole reached bedrock, collaring in massive, mafic volcanic flows. The conductor was intersected between 126-140m where a thick interval of sedimentary rocks, including banded iron formations and mafic tuffs were intersected. The sequence contained several thin intervals (5-10cm) of semi-massive pyrrhotite (+/-pyrite) with trace chalcopyrite. The highest assay returned from the unit graded 1,940ppm Cu over 0.2m however most other values were less than 500ppm Cu. Borehole EM surveys defined an low conductance 'edge-type' response associated with the zone with the bulk of the conductor located below the hole. Given the poor quality of the off-hole anomaly and the geological environment indicated by the hole, additional work on the target is not warranted.

6) *BY54-01*

Due to difficult access conditions drilling on the BY-54 grid was completed with the use of a fly-drill and helicopter support. Drill-hole BY54-01 targeted a well defined but relatively low conductance HLEM anomaly flanking a formational magnetic high. The hole intersected predominantly massive to pillowed mafic volcanic rocks with

the conductor being explained by a thin iron formation carrying up to 5% laminated pyrrhotite mineralization between 55.0-55.3m. The best assay returned 1,040ppm Zn over 0.3 m. Borehole EM surveys could not be completed due to access conditions however given the apparent cause of the HLEM response intersected by the hole, further work on the target is not recommended.

PERSONNEL

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

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Appendices

FL TIMMINS GEOLOGY - ROCK LEGEND - 2001A

1a. MAIN ROCK DIVISIONS - REGIONAL

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

1b. MAIN ROCK DIVISIONS - KIDD MINE

- A/D1 "Andesite/Diorite" - Type 1
- A/D2 "Andesite/Diorite" - Type 2
- A/D3 "Andesite/Diorite" - Type 3
- A/D4 "Andesite/Diorite" - Type 4
- AM Amphibolite
- BA Black Argillite
- BC Black Chert
- BK Basaltic Komatiite
- CB Cherty Breccia
- D "Dacite"
- G Greywacke
- MGT Magnesium Tholeiite
- MMF Mixed Mafic Fragmental
- MRF Mixed Rhyolite Fragmental
- MS Massive Sulphides
- MSC Massive Sulphides - Mainly CP
- MSCS Massive Sulphides - Mainly CP + SPH
- MSP Massive Sulphides - Mainly PY
- MSPO Massive Sulphides - Mainly PO
- 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

2. TEXTURE & GEOCHEMICAL MODIFIERS

- | | | | |
|-----|---------------------------|-----|---------------------------------|
| A | Fine Grained | N | Variolitic/Spherulitic |
| ADC | Adcumulate | NN | Graded Bedding |
| B | Medium Grained | NT | Net Textured |
| BD | Bedded | OO | Cross bedding |
| BK | Basaltic Komatiite | OP | Ophitic |
| BX | Breccia | ORC | Orthocumulate |
| C | Coarse Grained | OSX | Olivine Spinifex |
| CH | Chert | P | Pillowed |
| DD | Block (>64mm)/Xenolith | PBX | Pillow Breccia |
| DN | Dunite | PE | Peridotite |
| E | Amygdaloidal/Vesicular | PH | Porphyritic |
| EE | Autoclastic/Hyaloclastic | PR | Primitive (Y<20) |
| EV | Evolved (Y>20<60) | PS | Polysutured |
| F | Fragmental | PSX | Pyroxene Spinifex |
| FB | Flow Banded | PX | Pyroxenite |
| FBX | Flow Breccia | QFP | Quartz-Feldspar Phyric/Porphyry |
| FF | Feldspar (Albite) Flowers | QP | Quartz Phyric/Porphyry |
| FP | Feldspar Phyric | QT | Quench Textured/Chilled |
| GB | Gabbroic Textured | RR | Porphyroblastic |
| GPH | Graphitic/Argillaceous | RWV | Reworked Volcanic |
| H | Tholeiitic | S | Sulphides, Exhellites |
| 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 | Insitu Breccia | TUF | Tuff |
| J | Calc-Alkalic | TW | Tuffwacke |
| JJ | Granule (grit 2-4mm) | U | High Mg |
| K | Komatiitic | V | High Fe |
| KK | Pebble (4-64mm) | VBX | Volcanic Breccia |
| LL | Cobble (64-256mm) | W | High Al |
| LST | Lapillistone | WK | Wacke |
| LTF | Lapilli Tuff | WW | fragmental (felsic>mafic) |
| LX | Leucoxene Bearing | X | Andesite |
| LXP | Leucoxene Bearing -Pink | XX | fragmental (mafic>felsic) |
| LXW | Leucoxene Bearing -White | Y | Icelandite |
| M | Massive | YY | Crystal Tuff (>50% of frags) |
| MM | Boulder (>256) | ZZ | Lithic Tuff (>50% of frags) |
| MSC | Mesocumulate | | |

3. STRUCTURAL TYPES

- | | | | |
|------|----------------------|--------|-------------------------------|
| AUG | Augen | GG | Gouge |
| BC | Broken Core | JTQC | Joint - Quartz Carbonate |
| BD | Bedding | JTR | Joint - Regular |
| BDN | Boudinage | LCTBRK | Lower Contact - Broken |
| BND | Banding | LCTF | Lower Contact - Faulted |
| DSK | Discing | LCTGRD | Lower Contact - Gradational |
| FLD | Fold | LCTSHP | Lower Contact - Sharp |
| FLDB | Fold - Broad | MSF | Moderately Schistose/Foliated |
| FLDT | Fold - Tight | MZ | Milled Zone |
| FV | Fractured and Veined | SF | Schistose/Foliated |



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Geochemical Analysis Certificate


5W-0963-RG1

Company: **FALCONBRIDGE (EXPL) LTD**
Project: 563/356
Attn: D. Rogers

Date: MAY-04-05

We hereby certify the following Geochemical Analysis of 12 Core samples submitted MAY-02-05 by .

Sample Number	Au_PPb	Ag_PPM	Co_gpt	Cu_gpt	Ni_gpt	Pb_gpt	Zn_gpt
AV03198	7	0.1	10	24	23	1	98
AV03199	14	0.1	12	36	31	1	61
AV03200	3	0.1	17	143	40	1	53
AV04751	14	0.1	5	12	16	1	25
AV04752	38	0.1	32	42	118	1	57
AV04753	31	0.1	32	57	136	1	88
AV04754	7	0.1	11	37	56	1	175
AV04755	3	0.1	3	17	16	1	37
AV04756	38	0.1	26	29	88	5	138
AV04757	7	0.7	55	75	273	28	97
AV04758	45	0.2	51	92	246	6	343
AR02285	<2	0.3	2	38	69	109	98

Certified by 



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Geochemical Analysis Certificate

5W-2788-RG1

Company: **FALCONBRIDGE (EXPL) LTD**

Date: NOV-09-05

Project:

Attn: **D. Rogers**

We hereby certify the following Geochemical Analysis of 19 Core samples submitted NOV-05-05 by .

Sample Number	Au_PPB	Cu_gpt	Zn_gpt	Pb_gpt	Ag_PPM	Ni_gpt	Co_gpt
AV04851	7	416	31	1	0.6	13	15
AV04852	<2	135	25	1	0.3	10	12
AV04853	<2	3	12	1	0.1	19	21
AV04854	<2	2	8	1	0.1	28	30
AV04855	<2	4	9	1	0.1	17	15
AV04856	<2	141	71	1	0.2	75	40
AV04857	<2	119	74	1	0.2	84	41
AV04858	2	5	48	1	0.1	15	15
AV04859	<2	59	88	1	0.1	66	19
AV04860	<2	23	51	1	0.1	9	11
J04861	2	131	66	14	0.3	24	16
AV03452	<2	37	93	105	0.2	63	3
AV04862	<2	101	55	13	0.2	16	17
AV04863	<2	62	80	1	0.2	65	33
AV04864	<2	58	94	1	0.2	76	41
AV04865	<2	55	99	1	0.1	73	35
AV04866	<2	55	110	1	0.1	82	23
AV04867	7	56	127	1	0.1	84	33
AV04850	<2	37	94	106	0.2	66	3

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Geochemical Analysis Certificate

5W-2833-RG1

Company: **FALCONBRIDGE (EXPL) LTD**


Date: NOV-16-05

Project:

Attn: **D. Rogers**

We hereby certify the following Geochemical Analysis of 34 Core samples submitted NOV-09-05 by .

Sample Number	Au_PPb	Cu_gpt	Zn_gpt	Pb_gpt	Ag_PPM	Ni_gpt	Co_gpt
AV03382	<2	85	198	3	0.2	28	18
AV03383	14	83	230	1	0.2	8	9
AV03384	2	123	94	1	0.1	6	7
AV03385	<2	299	71	1	0.3	10	15
AV03386	<2	200	236	1	0.3	10	15
AV03387	<2	68	27	1	0.2	5	7
AV03388	<2	72	144	1	0.3	9	24
AV03808	5520	1460	5050	226	7.1	68	48
AV04912	<2	89	44	1	0.1	18	26
AV03398	10	58	98	1	0.1	11	16
AV03399	<2	93	257	1	0.2	23	29
AV03400	<2	25	82	1	0.1	5	7
AV03801	<2	70	140	1	0.1	9	14
AV03802	<2	126	225	1	0.1	12	22
AV03803	<2	200	516	1	0.4	29	32
AV03807	5171	1460	5050	218	6.7	67	46
AV04907	<2	40	350	1	0.2	26	14
AV04908	<2	77	115	1	0.1	9	31
AV04909	<2	30	66	1	0.1	1	26
AV04910	<2	32	58	1	0.1	2	25
AV04911	<2	53	63	1	0.1	4	34
AV04950	5350	1450	5030	216	7.1	69	48
AV03296	14	122	119	1	0.2	16	37
AV03297	<2	174	244	1	0.2	25	25
AV03298	<2	167	300	1	0.3	27	27
AV03299	<2	565	115	1	0.3	15	21
AV03300	<2	15	123	1	0.1	13	12
AV04901	<2	152	173	1	0.1	14	17
AV04902	<2	54	270	1	0.2	16	33
AV04903	<2	247	606	1	0.4	31	24

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Geochemical Analysis Certificate

5W-2833-RG1

Company: **FALCONBRIDGE (EXPL) LTD**

Date: NOV-16-05

Project:

Attn: D. Rogers

We hereby certify the following Geochemical Analysis of 34 Core samples submitted NOV-09-05 by .

Sample Number	Au_PPb	Cu_gpt	Zn_gpt	Pb_gpt	Ag_PPM	Ni_gpt	Co_gpt
AV04904	<2	7	200	1	0.1	24	15
AV04905	<2	74	262	1	0.1	17	13
AV04906	10	59	216	1	0.1	23	12
AV04949	5247	1470	5030	222	6.8	67	49
Blank	<2	-	-	-	-	-	-
STD OxJ36	2373	-	-	-	-	-	-

Certified by *Denis Chroty*



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Geochemical Analysis Certificate

5W-2834-RG1

Company: **FALCONBRIDGE (EXPL) LTD**


Date: NOV-16-05

Project:

Attn: **D. Rogers**

We hereby certify the following Geochemical Analysis of 28 Core samples submitted NOV-09-05 by .

Sample Number	Au_PPb	Cu_gpt	Zn_gpt	Pb_gpt	Ag_PPM	Ni_gpt	Co_gpt
AV03363	3	3	7	1	0.1	12	1
AV03364	<2	71	93	1	0.1	58	101
AV03365	<2	51	67	1	0.1	33	31
AV03366	<2	50	105	1	0.1	47	17
AV03367	10	75	31	1	0.1	98	68
AV03368	<2	78	143	1	0.1	86	21
AV03369	<2	66	25	1	0.1	95	83
AV03370	<2	77	95	1	0.1	113	44
AV03371	<2	76	36	1	0.1	107	93
AV03372	<2	74	66	1	0.1	84	28
704946	5239	1450	5040	217	6.7	67	47
AV03899	<2	44	51	1	0.1	26	30
AV03900	<2	57	48	1	0.1	32	31
AV03360	<2	112	127	1	0.1	74	27
AV03361	2	46	77	1	0.1	37	43
AV03362	2	36	119	1	0.1	41	41
AV03373	<2	11	13	1	0.1	21	23
AV03374	<2	40	120	1	0.1	43	37
AV03375	<2	628	35	1	0.1	29	29
AV04947	5383	1460	5030	217	7.0	68	45
AV03804	<2	119	107	1	0.1	32	32
AV03805	7	192	103	1	0.2	39	35
AV04913	<2	70	46	1	0.1	34	24
AV04914	<2	124	64	1	0.2	35	25
AV03378	21	140	131	1	0.2	85	48
AV03379	<2	182	160	1	0.3	90	56
AV03380	<2	170	321	11	0.4	91	50
AV04948	4917	1450	5050	222	7.0	66	46
Blank	<2	-	-	-	-	-	-
STD OxJ36	2359	-	-	-	-	-	-

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Geochemical Analysis Certificate

5W-3178-RG1

Company: **FALCONBRIDGE (EXPL) LTD**


Date: DEC-15-05

Project:

Attn:

We hereby certify the following Geochemical Analysis of 36 Core samples submitted DEC-06-05 by .

Sample Number	Au_PPB	Cu_gpt	Zn_gpt	Pb_gpt	Ag_PPM	Ni_gpt	Co_gpt PPM
AV03259	<2	121	57	1	0.1	27	26
AV03389	<2	114	105	1	0.1	10	21
AV03390	2	105	163	1	0.1	9	18
AV03391	<2	59	228	1	0.1	37	23
AV03392	<2	130	136	1	0.1	33	17
AV03393	<2	61	217	1	0.1	28	19
AV03394	<2	124	151	1	0.2	15	23
AV03397	<2	768	136	1	0.4	105	87
AV03818	4965	1470	5030	217	6.7	66	50
AV03291	<2	760	1040	1	0.5	80	85
AV03292	<2	217	62	1	0.2	61	22
AV03293	<2	349	134	1	0.2	115	64
AV03294	10	681	127	1	0.2	135	68
AV03295	<2	97	149	1	0.1	19	42
AV04870	21	7	100	1	0.1	2	6
AV04871	<2	60	96	1	0.2	1	11
AV03260	14	115	97	1	0.1	51	40
AV03261	<2	55	140	3	0.1	56	41
AV03262	<2	872	129	1	0.8	42	35
AV03263	2	59	195	1	0.1	48	33
AV03264	<2	233	188	1	0.3	33	19
AV03265	<2	95	131	1	0.1	38	29
AV03266	<2	103	93	1	0.1	41	40
AV03267	<2	68	210	1	0.1	50	38
AV03268	<2	317	295	1	0.2	19	31
AV03269	2	65	130	1	0.1	69	28
AV03817	5054	1440	5060	223	6.7	69	48
AV04872	<2	11	113	1	0.1	1	5
AV04873	3	111	544	1	0.1	25	25
AV04874	<2	120	322	1	0.2	29	22

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Geochemical Analysis Certificate

5W-3178-RG1

Company: **FALCONBRIDGE (EXPL) LTD**

Date: DEC-15-05

Project:

Attn:

We hereby certify the following Geochemical Analysis of 36 Core samples submitted DEC-06-05 by .

Sample Number	Au_PPb	Cu_gpt	Zn_gpt	Pb_gpt	Ag_PPM	Ni_gpt	Co_gpt PPM
AV04875	14	55	363	1	0.1	32	20
AV04876	3	48	157	3	0.1	30	16
AV04877	<2	110	223	1	0.1	57	26
AV04878	<2	66	177	1	0.2	47	19
AV04879	<2	194	299	1	0.1	34	28
AV03820	5040	1480	5050	218	7.1	67	48
Blank	<2	-	-	-	-	-	-
STD OxJ36	2387	-	-	-	-	-	-

Certified by *Dennis Chroty*



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Page 1 of 2

Geochemical Analysis Certificate

5W-3179-RG1

Company: **FALCONBRIDGE (EXPL) LTD**


Date: DEC-15-05

Project:

Attn:

We hereby certify the following Geochemical Analysis of 49 Core samples submitted DEC-06-05 by .

Sample Number	Au_PPb	Cu_gpt	Zn_gpt	Pb_gpt	Ag_PPM	Ni_gpt	Co_gpt PPM
AV04880	<2	18	121	1	0.1	62	31
AV04881	<2	34	108	1	0.1	67	33
AV04882	55	131	119	1	0.2	45	17
AV04883	14	495	2970	1	1.7	103	58
AV04884	48	575	4260	4	1.5	124	133
AV04885	17	315	2340	1	0.4	135	78
AV04886	3	127	325	1	0.4	120	31
AV04887	7	211	211	1	0.4	115	44
AV04888	<2	108	122	1	0.4	88	40
AV03821	5067	1470	5030	222	6.7	70	50
AV04889	<2	46	108	1	0.1	87	32
AV04890	14	100	117	1	0.1	103	33
AV04891	<2	25	138	1	0.1	94	33
AV04892	<2	58	90	1	0.1	83	28
AV04893	<2	93	73	1	0.1	73	27
AV04894	<2	140	123	1	0.1	151	44
AV04895	<2	171	63	3	0.3	39	8
AV04896	7	33	65	1	0.1	40	5
AV03822	4759	1460	5050	216	7.1	67	49
AV04897	<2	111	155	1	0.1	72	36
AV04898	<2	117	131	1	0.1	46	21
AV04899	<2	81	544	1	0.1	156	36
AV04900	7	469	1800	1	0.9	79	79
AV03251	<2	137	138	1	0.1	98	54
AV03252	<2	125	154	1	0.1	107	50
AV03253	<2	116	145	1	0.1	105	44
AV03254	<2	162	114	1	0.1	77	37
AV03255	3	130	103	1	0.1	25	22
AV03256	<2	17	81	1	0.1	16	21
AV03257	<2	27	68	1	0.1	12	19

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Page 2 of 2

Geochemical Analysis Certificate

5W-3179-RG1

Company: **FALCONBRIDGE (EXPL) LTD**


Date: DEC-15-05

Project:

Attn:

We hereby certify the following Geochemical Analysis of 49 Core samples submitted DEC-06-05 by .

Sample Number	Au_PP8	Cu_gpt	Zn_gpt	Pb_gpt	Ag_PPM	Ni_gpt	Co_gpt PPM
AV03258	<2	170	58	1	0.1	26	34
AV03819	5198	1460	5040	220	6.9	66	48
AV04039	51	205	1020	11	0.3	256	87
AV04040	<2	58	1480	149	0.4	125	37
AV04041	<2	133	353	14	0.2	117	48
AV04042	<2	46	31	1	0.1	28	21
AV04043	<2	25	14	1	0.1	17	17
AV04044	<2	25	42	1	0.1	24	15
AV04045	<2	81	88	22	0.1	79	45
AV04046	<2	86	124	7	0.1	70	39
04048	<2	440	42	1	0.1	29	163
AV03929	<2	58	94	1	0.2	67	34
AV03930	<2	42	93	1	0.1	48	20
AV03931	<2	65	95	8	0.1	62	26
AV03932	2	33	105	1	0.1	60	25
AV03933	<2	48	139	4	0.2	58	31
AV03934	<2	80	645	459	5.8	35	20
AV03935	2	64	295	87	0.2	37	21
AV03401	4838	1470	5040	226	6.8	67	49
Blank	<2	-	-	-	-	-	-
STD OXJ36	2298	-	-	1	-	-	-

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Geochemical Analysis Certificate

5W-3187-RG1

Company: **FALCONBRIDGE (EXPL) LTD**


Date: DEC-16-05

Project:

Attn:

We hereby certify the following Geochemical Analysis of 37 Core samples submitted DEC-08-05 by .

Sample Number	Au_PPB	Cu_gpt	Zn_gpt	Pb_gpt	Ag_PPM	Ni_gpt	Co_gpt
AV03270	14	846	245	1	0.7	27	36
AV03271	<2	275	708	1	0.3	11	21
AV03272	24	700	1930	1	0.8	34	80
AV03273	<2	288	575	1	0.2	13	20
AV03274	<2	177	122	1	0.2	10	11
AV03275	<2	8	112	1	0.1	11	8
AV03276	<2	1940	109	1	0.5	33	59
AV03277	<2	110	53	1	0.1	5	15
AV03278	3	815	106	1	0.4	35	168
AV03279	<2	21	187	1	0.1	22	17
AV03280	<2	166	230	1	0.1	34	27
AV03281	<2	103	275	1	0.1	44	34
AV03282	<2	178	267	1	0.1	57	38
AV03283	<2	149	217	1	0.1	28	23
AV03823	5170	1470	5050	216	6.9	66	50
AV03284	2	132	136	1	0.1	15	17
AV03285	<2	50	78	1	0.1	40	35
AV03286	<2	24	87	1	0.1	43	37
AV03287	<2	7	71	1	0.1	32	30
AV03288	<2	14	86	1	0.1	30	35
AV03289	<2	40	94	1	0.1	31	39
AV03290	<2	97	50	1	0.1	39	32
AV04919	<2	38	23	1	0.1	28	13
AV04920	<2	134	31	1	0.1	35	18
AV04921	<2	43	27	1	0.1	34	17
AV03824	5081	1470	5060	218	6.7	65	46
AV04922	<2	129	52	1	0.1	61	21
AV04923	3	435	123	1	0.2	45	23
AV04924	<2	223	120	1	0.1	33	22
AV04925	3	544	105	1	0.2	15	27

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Geochemical Analysis Certificate

5W-3187-RG1

Company: **FALCONBRIDGE (EXPL) LTD**

Date: DEC-16-05

Project:

Attn:

We hereby certify the following Geochemical Analysis of 37 Core samples submitted DEC-08-05 by .

Sample Number	Au_PPb	Cu_gpt	Zn_gpt	Pb_gpt	Ag_PPM	Ni_gpt	Co_gpt
AV04926	14	1070	90	2	0.8	23	35
AV04927	<2	125	77	1	0.1	52	24
AV04928	<2	34	55	1	0.1	24	27
AV04929	<2	16	64	1	0.1	52	20
AV04930	<2	85	63	1	0.1	55	32
AV04931	<2	45	73	1	0.1	52	19
AV03825	4779	1460	5030	216	6.7	64	47
AV03918 not rec'd	-	-	-	-	-	-	-

Certified by *Denis Chant*



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Geochemical Analysis Certificate

5W-3188-RG1

Company: **FALCONBRIDGE (EXPL) LTD**

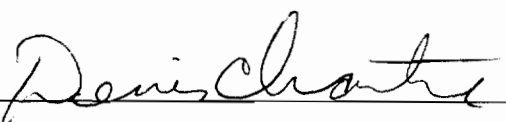
Date: DEC-16-05

Project:

Attn:

We hereby certify the following Geochemical Analysis of 37 Core samples submitted DEC-08-05 by .

Sample Number	Au_PPb	Cu_gpt	Zn_gpt	Pb_gpt	Ag_PPM	Ni_gpt	Co_gpt
AV03936	<2	96	66	1	0.1	42	29
AV03937	<2	57	70	1	0.1	34	25
AV04932	<2	34	93	1	0.1	35	16
AV04933	55	101	51	3	0.1	1	2
AV04934	<2	43	30	1	0.1	1	1
AV04935	3	56	21	1	0.1	1	1
AV04936	<2	57	63	1	0.1	2	3
AV04937	<2	67	34	1	0.1	1	3
AV04938	<2	79	55	1	0.1	2	4
AV04939	<2	22	16	1	0.1	1	3
AV04940	<2	48	17	1	0.1	2	3
AV04941	<2	105	50	1	0.1	6	3
AV04942	<2	143	23	1	0.1	2	5
AV03402	4883	1480	5050	217	7.1	66	47
AV03938	<2	75	130	1	0.1	25	14
AV03939	<2	113	288	1	0.1	27	15
AV04000	<2	131	74	1	0.1	40	27
AV03902	<2	74	54	1	0.1	39	22
AV03903	<2	71	57	1	0.1	41	26
AV04146	<2	127	34	1	0.1	47	25
AV04147	2	103	44	1	0.1	37	18
AV04148	<2	127	28	1	0.1	48	29
AV04149	<2	67	51	1	0.1	33	22
AV03403	5033	1470	5030	220	6.7	67	47
AV03918-A	<2	65	56	1	0.1	19	19
AV04150	<2	127	40	1	0.1	17	20
AV04151	<2	6	53	1	0.1	12	14
AV04152	<2	33	65	1	0.1	19	18
AV04153	<2	74	45	1	0.1	25	16
AV04154	2	566	22	1	0.2	28	26

Certified by 

Assayer: Canada

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

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

Report No : 5W0647 RL

Date : Apr-14-05

ALCONBRIDGE (EXPL) LTD

Attention: D. Rogers

Project:

Sample:

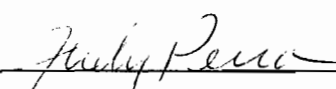
ICP Whole Rock Assay

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 %	Total %
AR04356	33.29	5.94	9.97	7.79	24.84	0.09	0.21	0.30	0.21	0.05	2202	18	5	43	<5	1229	87	<10	160	22	<5	16.40	99.50
AR04357	42.35	12.40	10.84	11.65	5.43	3.51	0.23	1.10	0.22	0.11	157	62	25	113	36	106	57	11	325	41	5	11.39	99.33
AR04358	46.85	13.01	12.46	7.54	5.03	2.31	0.96	1.17	0.25	0.11	145	67	21	109	50	95	52	28	375	41	6	10.07	99.85
AR04359	51.36	14.22	5.40	6.40	3.93	4.29	2.53	0.84	0.13	0.52	114	160	15	42	<5	48	22	<10	122	12	6	9.62	99.29
AR04360	52.33	12.58	11.46	6.45	3.98	3.35	0.05	1.62	0.21	0.13	47	90	30	113	283	324	66	48	451	43	<5	7.07	99.38
AR04361	48.71	12.96	13.11	6.87	4.17	3.49	0.13	1.70	0.21	0.15	54	94	33	95	192	166	69	56	482	45	8	8.15	99.78
AR04362	66.02	15.61	1.89	3.41	1.02	3.66	2.66	0.54	0.04	0.12	628	125	11	30	<5	54	21	<10	102	13	<5	4.30	99.37
AR04363	63.04	16.96	3.13	3.05	1.21	4.02	3.05	0.58	0.06	0.13	343	110	10	24	11	85	30	<10	133	17	<5	3.58	98.89
AR04364	30.65	14.30	14.39	2.96	23.08	0.08	0.19	1.22	0.26	1.21	908	195	35	145	64	216	79	<10	322	50	8	11.41	99.95
AR04365	63.72	16.82	3.95	3.17	1.01	4.02	2.07	0.52	0.06	0.15	110	128	12	26	<5	28	20	<10	85	9	<5	3.83	99.36
AR04366	59.02	18.82	2.98	4.94	1.31	3.69	1.99	0.49	0.05	0.13	87	106	7	45	19	20	17	<10	89	8	<5	6.20	99.66
AR04367	60.27	16.52	2.92	5.75	0.94	4.30	1.59	0.48	0.08	0.13	94	123	8	51	10	37	20	<10	90	10	<5	6.49	99.51
AR04368	56.37	18.17	7.31	7.60	2.95	4.11	0.69	0.69	0.12	0.16	104	131	17	60	32	55	29	<10	148	20	<5	1.62	99.84
AR04369	51.35	17.41	9.89	9.12	5.20	3.48	1.03	0.92	0.17	0.19	110	128	20	90	32	83	39	<10	202	25	5	0.93	99.75
AR04370	66.63	15.31	3.51	4.09	1.57	3.61	1.41	0.44	0.05	0.14	123	139	9	100	18	33	14	<10	72	8	<5	2.19	99.01
AR04371	52.47	17.52	8.79	7.44	4.96	3.40	0.99	0.91	0.15	0.18	97	131	17	44	18	77	39	10	192	23	5	3.04	99.91
AR04372	51.65	18.06	9.51	7.75	4.81	2.73	0.64	0.90	0.13	0.19	113	124	16	107	33	85	41	<10	181	22	5	3.18	99.63
AR04373	54.77	16.68	8.62	10.79	3.50	2.99	0.23	1.01	0.13	0.19	131	134	19	25	25	76	38	<10	211	25	5	0.44	99.41
AR04391	62.13	10.76	2.87	0.15	0.52	1.22	6.85	0.23	0.03	0.06	328	235	100	44	34	119	6	<10	29	<5	<5	1.44	86.35
AR04374	54.96	16.63	8.94	7.80	4.84	3.83	0.44	0.81	0.14	0.17	103	121	15	33	28	80	36	<10	181	21	<5	1.31	99.93
AR04375	64.68	15.09	2.74	3.99	1.08	4.02	2.06	0.44	0.07	0.18	351	111	7	46	<5	81	20	<10	85	11	<5	4.85	99.27
AR04376	47.36	13.41	8.55	8.26	6.89	1.53	1.26	0.71	0.16	0.10	1194	49	13	101	9	379	69	<10	255	37	<5	10.94	99.39
AR04377	45.26	12.93	11.97	10.20	11.24	1.14	0.96	0.67	0.18	0.09	902	43	13	96	15	297	68	<10	256	36	<5	5.01	99.83
AR04378	36.46	3.96	9.69	2.25	34.36	0.10	0.36	0.20	0.13	0.05	1833	15	<5	41	<5	1919	107	<10	104	16	<5	11.52	99.48
AR04379	37.74	2.89	7.81	0.59	38.12	0.05	0.10	0.15	0.10	0.02	1589	10	<5	75	<5	1958	92	<10	85	12	<5	11.72	99.66
AR04380	46.98	10.05	11.63	6.28	17.10	1.93	0.18	0.49	0.17	0.05	1535	29	10	53	37	418	74	<10	218	35	<5	4.88	99.97
AR04381	42.12	6.50	11.23	1.66	28.39	0.05	0.03	0.33	0.13	0.05	3414	21	7	78	14	1101	105	<10	158	23	<5	8.51	99.49
AR04382	51.41	14.64	11.57	3.96	7.40	3.19	0.22	1.09	0.19	0.11	103	66	22	136	101	130	62	13	351	50	<5	5.92	99.81
AR04383	49.75	15.57	9.47	5.82	5.87	3.77	0.47	0.97	0.21	0.10	88	52	16	123	42	88	59	<10	302	44	<5	7.60	99.68
AR04384	49.37	15.19	12.23	4.89	5.96	3.35	0.21	1.17	0.24	0.20	152	108	16	35	92	95	53	<10	203	25	<5	6.89	99.78

Sample (AR04391) matrix not compatible with this analysis type.

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

Signed: 

Assayer Canada

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

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

Report No : 5W2789 RL

Date : Nov-25-05

FALCONBRIDGE (EXPL) LTD

Attention: D. Rogers

Project:

Sample: Core

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 %
AV04052	53.18	17.64	11.77	5.66	2.18	3.60	1.07	1.77	0.27	0.25	177	113	27	28	105	68	62	20	288	31	<5	2.26	1.29	99.76
AV04053	53.51	17.79	9.95	5.42	5.45	2.34	1.11	1.07	0.16	0.20	108	149	20	23	83	51	25	<10	188	22	<5	2.85	0.35	99.91
AV04054	47.33	15.95	15.09	10.45	6.11	1.80	0.23	1.38	0.23	0.11	235	76	24	53	108	100	54	20	338	40	<5	1.17	0.12	99.95
AV04055	62.23	16.63	6.40	3.35	2.73	5.46	0.76	0.69	0.07	0.19	121	147	12	<5	60	29	22	<10	112	14	<5	1.08	0.05	99.65
AV04056	53.38	17.47	8.72	7.33	5.01	4.44	1.07	0.49	0.19	0.11	61	83	10	38	82	120	38	<10	126	21	<5	1.51	0.02	99.78
AV04057	58.85	14.14	10.26	5.04	3.32	0.87	2.63	0.69	0.24	0.18	63	110	16	<5	67	32	20	<10	81	14	<5	3.15	0.04	99.40
AV04058	50.76	13.49	8.23	10.11	9.31	2.33	0.61	0.70	0.20	0.26	522	91	14	103	105	96	34	14	186	29	<5	3.30	2.63	99.41
AV04059	58.89	17.40	9.07	4.03	2.55	3.05	1.30	1.18	0.13	0.16	236	139	20	9	133	82	43	14	191	24	<5	1.38	1.06	99.23
AV04060	63.97	18.62	2.86	4.93	2.51	3.85	1.45	0.36	0.04	0.16	87	82	<5	<5	41	36	11	<10	44	<5	<5	0.76	0.10	99.55
AV04061	49.92	14.21	15.40	9.81	5.11	2.44	0.58	1.45	0.22	0.18	57	87	22	67	132	56	53	22	351	32	<5	0.41	0.24	99.82
AV04062	68.84	16.41	1.72	3.06	0.67	6.44	0.73	0.23	0.02	0.06	127	66	<5	<5	24	9	5	<10	29	<5	<5	1.07	0.12	99.29
AV04063	64.18	17.11	3.35	3.36	1.35	5.08	3.02	0.57	0.04	0.26	108	162	6	<5	69	8	8	<10	50	<5	<5	0.42	<0.01	98.79
AV04064	65.59	16.28	3.27	3.21	1.24	4.76	2.63	0.43	0.05	0.19	148	119	5	<5	52	6	10	<10	45	<5	<5	0.65	0.05	98.33
AV04065	67.27	16.10	2.57	2.80	1.02	4.60	3.17	0.38	0.04	0.16	110	119	<5	<5	37	6	9	<10	41	<5	<5	0.47	<0.01	98.60
AV04066	68.76	14.99	2.52	2.78	1.02	4.27	2.84	0.36	0.03	0.15	133	111	<5	<5	43	<5	8	<10	40	<5	<5	0.43	<0.01	98.19
AV04067	66.54	15.95	3.19	3.17	1.28	4.81	2.49	0.45	0.04	0.20	137	146	5	<5	66	15	11	<10	48	<5	<5	0.42	0.02	98.60
AV04068	46.67	15.28	13.44	10.43	8.91	1.40	0.21	1.76	0.18	0.22	268	93	21	<5	106	137	48	11	238	33	<5	1.10	0.04	99.69
AV04069	57.08	17.42	9.61	6.87	1.74	4.21	0.56	0.87	0.10	0.21	74	102	16	44	67	26	33	13	204	22	<5	0.63	0.14	99.36
AV04070	55.07	15.79	10.01	7.25	5.34	3.33	0.30	1.01	0.13	0.20	215	119	17	<5	110	97	32	<10	159	22	<5	0.97	0.05	99.47
AV05480	60.85	15.13	4.95	6.98	1.88	1.73	0.75	0.87	0.08	0.16	192	104	15	22	74	55	25	<10	163	17	<5	5.75	0.03	99.19
AV05481	68.38	15.06	4.78	2.25	1.41	3.49	0.54	0.50	0.05	0.12	494	154	13	<5	70	19	26	<10	68	8	<5	2.30	0.01	98.96
AV05482	54.91	15.54	6.77	8.05	3.01	0.90	0.62	0.84	0.11	0.12	211	100	16	<5	77	66	29	11	162	21	<5	7.92	0.02	98.86
AV05483	60.60	16.41	5.62	6.32	2.58	1.74	0.55	0.90	0.07	0.13	482	106	15	80	67	79	38	10	153	15	<5	3.91	0.07	98.94
AV05484	47.42	12.50	18.78	7.48	4.15	0.70	<0.01	2.23	0.27	0.21	115	148	45	<5	178	26	66	12	287	40	<5	5.62	0.19	99.44
AV05485	73.96	13.19	3.33	0.62	1.37	1.07	1.99	0.24	0.03	0.08	155	165	17	<5	36	9	8	<10	25	5	<5	2.43	0.02	98.34
AV05486	59.89	15.80	6.06	5.44	2.88	1.80	0.51	0.83	0.09	0.14	297	96	14	<5	87	56	28	11	155	17	<5	5.67	0.01	99.18
AV05487	63.56	15.92	4.93	5.28	1.69	2.91	0.94	0.50	0.06	0.13	517	131	9	32	60	29	27	<10	87	9	<5	3.05	0.01	99.03
AV05488	52.28	16.21	7.51	8.34	3.64	1.85	0.52	0.82	0.12	0.14	324	101	16	<5	95	98	35	10	168	23	<5	7.81	0.01	99.32
AV05489	45.11	16.52	9.33	10.26	3.77	2.04	0.60	0.85	0.15	0.15	163	100	17	41	141	141	33	<10	178	25	<5	10.82	0.02	99.69
AV05490	50.06	14.73	8.70	8.70	4.42	1.65	0.51	0.72	0.14	0.14	258	85	14	5	138	94	37	<10	159	21	<5	9.72	0.07	99.58

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

Assayer: Canada

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

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

Report No : 5W2789 RL

Date : Nov-25-05

FALCONBRIDGE (EXPL) LTD

Attention: D. Rogers

Project:


Sample: Core

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 %
AV05491	66.96	15.69	4.81	3.71	1.57	2.34	0.88	0.29	0.08	0.11	341	234	21	<5	83	9	12	<10	16	5	<5	2.79	0.01	99.30
AV05492	47.55	15.37	8.88	9.34	4.37	1.60	0.58	0.96	0.14	0.09	134	94	17	<5	66	52	30	10	144	21	<5	10.37	0.13	99.32
AV05493	63.40	13.40	4.64	6.38	1.80	2.20	0.82	0.71	0.08	0.15	419	77	11	<5	81	47	26	<10	121	12	<5	5.61	0.03	99.28
AV05494	51.93	15.59	8.45	7.74	4.37	2.13	0.70	0.74	0.13	0.11	251	89	13	<5	73	88	31	<10	129	20	<5	7.71	0.05	99.67
AV05495	56.00	18.72	6.12	8.03	2.28	1.79	0.28	1.02	0.10	0.13	268	134	20	132	65	61	27	12	133	20	<5	4.55	0.03	99.11
AV05496	47.53	14.49	12.44	8.30	4.21	2.11	0.14	1.15	0.25	0.08	275	59	18	<5	106	85	50	16	301	36	<5	8.81	0.09	99.60
AV05497	54.18	16.37	9.12	4.39	5.70	4.38	0.06	0.79	0.13	0.15	181	94	15	<5	96	87	34	<10	179	21	<5	4.44	0.01	99.79
AV05498	48.50	14.43	13.98	8.86	6.05	1.38	0.03	1.26	0.18	0.10	191	67	21	90	94	66	50	20	330	39	<5	4.96	0.03	99.84
AV05499	48.91	14.60	14.54	9.74	5.79	1.55	0.03	1.23	0.16	0.10	175	66	21	79	102	74	53	18	339	36	<5	3.17	0.03	99.92
AV05500	46.23	11.89	17.06	7.69	5.07	1.99	<0.01	1.63	0.19	0.12	70	83	27	231	86	32	59	25	397	40	<5	7.82	0.14	99.80
AV03351	55.04	16.27	8.40	5.48	4.07	4.07	0.38	0.83	0.10	0.14	186	117	17	9	74	81	35	12	152	19	<5	4.84	0.01	99.70
AV03352	53.61	12.04	9.64	5.25	10.18	3.02	0.02	0.61	0.14	0.11	520	72	12	<5	67	289	40	<10	128	20	<5	5.11	0.01	99.84
AV03353	51.22	17.13	11.13	5.86	6.28	3.57	0.06	1.05	0.14	0.13	97	98	17	<5	102	82	40	<10	187	23	<5	3.31	<0.01	99.95
AV03354	51.96	17.73	8.38	6.37	5.15	5.64	0.14	0.87	0.13	0.15	133	101	17	46	83	88	34	<10	178	25	<5	3.31	0.05	99.91
AV03355	51.13	12.88	16.10	8.73	5.59	2.11	0.08	1.18	0.24	0.11	62	68	23	32	100	41	90	22	376	51	<5	1.66	0.05	99.88
AV03356	56.03	16.24	9.60	7.45	3.60	3.38	1.13	1.17	0.16	0.14	90	115	19	44	103	30	35	15	232	21	<5	0.92	0.03	99.88
AV03357	71.49	12.65	4.78	2.44	0.41	4.07	1.28	0.37	0.09	0.07	150	214	48	102	102	<5	9	<10	11	10	<5	1.32	0.61	99.03
AV03358	58.30	16.19	7.28	3.79	5.37	3.55	1.03	0.69	0.09	0.13	111	117	13	<5	53	41	17	<10	133	17	<5	3.18	0.02	99.66
AV03359	57.49	17.11	6.64	10.49	1.23	2.61	0.25	1.28	0.14	0.18	97	133	21	<5	63	12	26	20	201	21	<5	2.34	0.03	99.82
AV05001	57.91	14.54	6.49	4.28	2.30	3.30	1.48	1.03	0.19	0.22	38	288	25	19	120	12	18	13	142	19	<5	7.42	0.04	99.21

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

Signed: 

Assayer anada

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

Report No : 6W0088 RL

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

Date : Jan-27-06

FALCONBRIDGE (EXPL) LTD

Attention: D. Rogers

Project: 202

Sample: Core

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 %
AV03381	44.14	15.51	13.85	11.86	8.23	1.43	0.50	1.18	0.20	0.09	330	51	21	<5	66	186	53	29	363	46	<5	2.74	<0.01	>99.00
AV03395	45.99	13.37	18.69	7.63	6.26	2.79	0.19	1.85	0.24	0.17	187	100	38	64	118	91	62	22	368	47	<5	1.96	0.11	99.25
AV03396	46.63	14.15	17.63	7.23	6.75	2.56	0.13	1.73	0.23	0.13	217	88	33	56	104	73	59	26	378	49	<5	2.45	0.11	99.74
AV03806	47.51	14.32	14.97	10.04	4.42	2.80	0.19	1.61	0.23	0.15	189	91	33	46	90	89	51	22	352	45	<5	3.45	0.13	99.80
AV03376	47.59	17.47	13.68	11.99	4.50	1.52	0.23	1.17	0.13	0.14	247	78	19	77	68	121	52	18	265	36	<5	1.41	<0.01	99.92
AV03377	51.69	17.71	9.54	9.06	6.00	3.65	0.19	0.77	0.12	0.14	151	95	16	57	57	133	39	15	228	27	<5	0.70	<0.01	99.65
AV03754	51.12	20.18	8.27	3.29	6.97	4.28	1.88	0.92	0.11	0.08	374	82	14	<5	105	237	60	<10	197	28	<5	2.54	<0.01	99.75
AV03755	68.84	14.42	4.86	1.74	1.77	2.89	1.84	0.62	0.04	0.08	209	173	28	57	138	47	18	<10	63	10	<5	1.27	0.55	98.44
AV03756	51.99	18.46	8.47	8.10	5.70	3.96	0.69	0.76	0.15	0.18	199	120	19	42	56	201	40	<10	158	22	<5	0.82	0.01	99.35
AV03757	51.47	19.18	7.99	10.18	3.22	3.44	0.72	1.28	0.16	0.24	95	112	22	22	74	44	49	21	250	32	<5	1.29	<0.01	99.24
AV03758	56.37	17.82	6.52	7.89	3.10	1.34	1.68	0.64	0.11	0.14	133	128	16	28	48	43	23	<10	108	16	<5	3.37	0.05	99.02
AV03759	57.42	17.98	5.71	6.49	2.71	5.10	0.39	0.62	0.09	0.13	212	122	16	31	61	56	22	<10	105	15	<5	2.66	0.33	99.36
AV03760	58.71	16.75	7.58	4.49	3.15	2.46	2.18	0.60	0.10	0.12	107	122	15	14	47	45	23	<10	93	14	<5	3.24	1.15	99.42
AV03761	58.69	16.52	5.84	4.87	4.07	4.02	1.20	0.63	0.10	0.15	175	126	15	32	59	75	24	<10	117	16	<5	3.14	0.01	99.28
AV03762	55.34	18.13	6.05	7.23	3.20	4.88	0.55	0.79	0.09	0.23	183	145	18	37	65	71	29	<10	127	18	<5	2.72	0.06	99.28
AV03763	56.27	17.19	6.59	7.23	3.46	4.12	0.04	0.77	0.12	0.21	159	145	18	32	55	65	28	<10	118	17	<5	3.39	0.02	99.44
AV03764	54.08	17.55	7.18	9.61	4.23	2.00	0.14	0.82	0.17	0.24	166	157	18	<5	63	79	31	<10	127	19	<5	3.66	<0.01	99.74
AV03765	56.89	17.92	6.42	7.11	2.94	4.07	0.09	0.66	0.11	0.14	131	136	16	45	65	54	22	10	124	16	<5	3.13	0.33	99.56
AV03766	47.95	15.33	13.30	10.02	8.04	0.58	0.04	0.90	0.19	0.08	293	52	20	178	67	146	55	19	297	44	<5	3.37	0.10	99.91
AV03491	55.67	11.86	9.88	5.59	3.53	1.45	0.92	0.66	0.18	0.07	129	48	18	896	3573	56	53	14	228	37	<5	8.88	2.38	99.18
AV03751	52.19	16.28	9.56	5.40	6.93	3.86	0.23	1.05	0.13	0.19	133	111	20	38	58	66	33	16	200	27	<5	3.75	0.02	99.63
AV03752	53.38	17.29	8.85	4.89	6.87	5.15	0.46	0.78	0.15	0.14	178	102	17	30	51	167	37	13	167	23	<5	1.66	<0.01	99.70
AV03753	50.80	16.59	8.67	5.08	6.00	4.93	1.05	1.58	0.13	0.24	350	111	20	51	68	156	57	20	251	32	<5	4.47	<0.01	99.66

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

Signed: Judy Rescon

Oct 15, 2007



DETAILED LOG FALCONBRIDGE LTD.

Page 1 of 6

Hole Number: **L52-01**

Units: METRIC

Project Name: Exploration	Location: Loveland Twp.	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -50.00
Project Number: Explor	Section:	Grid: UTM: (P)	Grid: UTM:	Grid: UTM:	Collar Az: 205.00
Claim Number: P3013357	Parent (if wedge):	North: 5393156.00	North: 5393156.00	North: 860.00	Length: 244.01
Hole Type: Exploration		East: 448822.00	East: 448822.00	East: 1300.00	Start Depth: 0.00
		Elev: 300.00	Elev: 300.00	Elev:	Final Depth: 244.01
Date Started: Dec 02, 2004	Collar Survey: N	Pulse EM Survey: N	Multishot Survey: N	Contractor: BRADLEY BROS.	
Date Completed: Dec 06, 2004	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Creek	
Date Entered: Jan 24, 2005	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: 43m	
Logged By: L. Pigeon				Hole Size: BQ	

Comments:

Directional Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
53.00	209.60	-49.70	T	OK	
104.00		-49.10	A	DO	
164.00	207.90	-48.50	T	OK	
224.00		-47.30	A	DO	

L. Pigeon
For L. Pigeon



DETAILED LOG FALCONBRIDGE LTD.

Hole Number: **L52-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 43.00	(CAS) Casing/Overburden				
43.00 TO 49.00	(8) Intermediate Intrusive Rocks Fine- to medium-grained plagioclase porphyritic intermediate intrusive rock likely a dike. The rock is dark gray. Plagioclase porphyries are anhedral and white and account for 15-20% of the rock. The porphyries can reach up to 4mm.	43.00 - 49.00: (FP) Feldspar Phyrlic plag porphyritic 43.00 - 49.00: (A) Fine Grained 43.00 - 49.00: (B) Medium Grained	43.30 - 43.60: (BC) Broken Core, 45.70 - 45.80: (FZ) Fault (Fault Zone), 48.00 - 48.10: (BC) Broken Core, 48.99 - 49.00: (LCTSHP) Lower Contact - Sharp, 50 Deg to CA		
49.00 TO 69.30	(2) Mafic Volcanic Rocks Fine-grained dark gray silicified mafic volcanic rock. The rock is cross-cut by several tonalitic veins and dykes reaching up to 30 cm. The rock also contains several coarse grains zones or pockets that do not appear to be related to veining and may represent zones of higher volatile content in the mafic rock. This unit could also represent a mafic component to the intermediate to felsic intrusion.	49.00 - 69.30: (M) Massive 49.00 - 69.30: (A) Fine Grained	53.70 - 54.00: (BC) Broken Core, 54.30 - 54.60: (BC) Broken Core, 55.10 - 56.60: (JTR) Joint - Regular, 20 Deg to CA with BC 57.40 - 57.70: (BC) Broken Core, 59.40 - 59.80: (BC) Broken Core, 69.29 - 69.30: (LCTSHP) Lower Contact - Sharp, 50 Deg to CA	49.00 - 69.30: (SI) Silicification, (S) Strong, (P) Pervasive	
69.30 TO 109.20	(9) Felsic Intrusive Rocks Extremely heterogeneous felsic intrusive unit. Several rock textures are present. The rock is locally fine-grained light-gray and quartz porphyritic with less than 1% round quartz eyes. A medium-grained felsic plagioclase porphyritic and biotite bearing rock is also present. This rock is dark-gray, contains ~15% anhedral plagioclase porphyries that can reach up to 4mm and 5-8 % biotite. The rock contains <1% Po and <1% Py.	69.30 - 109.20: (QP) Quartz Phyrlic/Porphyry 69.30 - 109.20: (A) Fine Grained 69.30 - 109.20: (FP) Feldspar Phyrlic plagioclase porphyritic 69.30 - 109.20: (B) Medium Grained	71.80 - 74.50: (BC) Broken Core, 74.50 - 75.00: (FZG) Fault Zone - Gouge, 75.00 - 76.00: (BC) Broken Core.		69.30 - 109.20: 0.5% (PO) Pyrrhotite, (D) Disseminated/Blebbly 69.30 - 109.20: 0.25% (PY) Pyrite, (D) Disseminated/Blebbly



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **L52-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
109.20 TO 244.00	<p>(2) Mafic Volcanic Rocks Fine-grained dark greenish gray to dark gray massive mafic volcanic. The rock is locally plagioclase porphyritic with about 5% phenocrysts. The plag phenos are anhedral and can reach up to 3 mm in size. The rock is locally Medium grained and displays features similar to a mafic intrusive rock. This unit can represent a fine grain mafic phase of an intrusion. The rock is cross-cut by several tonalite dykes and veins that reach up to 2 m thick. One dyke is an intermediate porphyritic rock containing about 30% white anhedral plag. The rock contains about 1 % disseminated Po. A few grains of Cp was also identified associated with Po.</p> <p>143.70 - 145.00 (8) Intermediate Intrusive Rocks Intermediate plagioclase porphyritic dyke 218.90 - 221.60 (9) Felsic Intrusive Rocks Coarse-grained massive tonalite dyke</p> <p>244.00 TO 244.01 (EOH) End of Hole</p>	<p>109.20 - 244.00: (FP) Feldspar Phyric plagioclase 109.20 - 244.00: (B) Medium Grained 109.20 - 244.00: (M) Massive 109.20 - 244.00: (A) Fine Grained</p>	<p>128.60 - 128.65: (BC) Broken Core, 135.30 - 135.40: (BC) Broken Core, 176.40 - 176.50: (BC) Broken Core, 187.20 - 187.30: (BC) Broken Core, 229.30 - 230.00: (SHZ) Shear (Shear Zone), 75 Deg to CA 230.00 - 230.15: (BC) Broken Core, 240.50 - 240.70: (JTR) Joint - Regular, 30 Deg to CA</p>	<p>109.20 - 244.00: (EP) Epidotization, (W) Weak, (FV) Fracture/Veined controlled</p>	<p>109.20 - 244.00: 0.75% (PO) Pyrrhotite, (D) Disseminated/Blebbly 109.20 - 244.00: 0.01% (CP) Chalcopyrite, (D) Disseminated/Blebbly</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **L52-01**

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
AR04368	46.00	49.00	3.00			56.37	0.69	18.17	7.31	0.12	2.95	7.60	4.11	0.69	0.16		1.62	99.84	104	17	131	60	32			
AR04369	59.00	62.00	3.00			51.35	0.92	17.41	9.89	0.17	5.20	9.12	3.48	1.03	0.19		0.93	99.75	110	20	128	90	32			
AR04370	83.00	86.00	3.00			66.63	0.44	15.31	3.51	0.05	1.57	4.09	3.61	1.41	0.14		2.19	99.01	123	9	139	100	18			
AR04371	131.00	134.00	3.00			52.47	0.91	17.52	8.79	0.15	4.96	7.44	3.40	0.99	0.18		3.04	99.91	97	17	131	44	18			
AR04372	161.00	164.00	3.00			51.65	0.90	18.06	9.51	0.13	4.81	7.75	2.73	0.64	0.19		3.18	99.63	113	16	124	107	33			
AR04373	194.00	197.00	3.00			54.77	1.01	16.68	8.62	0.13	3.50	10.79	2.99	0.23	0.19		0.44	99.41	131	19	134	25	25			
AR04374	239.00	242.00	3.00			54.96	0.81	16.63	8.94	0.14	4.84	7.80	3.83	0.44	0.17		1.31	99.93	103	15	121	33	28			



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY36-01**

Units: METRIC

Project Name: Exploration	Location: Byers Twp.	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -50.00
Project Number: Explor	Section:	Grid: UTM: (P)	Grid: UTM:	Grid: UTM:	Collar Az: 180.00
Claim Number: P3013367	Parent (if wedge):	North: 5390584.00	North: 5390584.00	North: 1050.00	Length: 183.01
Hole Type: Exploration		East: 445742.00	East: 445742.00	East: 1300.00	Start Depth: 0.00
		Elev: 300.00	Elev: 300.00	Elev: 0.00	Final Depth: 183.01
Date Started: Apr 26, 2005	Collar Survey: N	Pulse EM Survey: N	Multishot Survey: N	Contractor: FORAGE ORBIT	
Date Completed: Apr 30, 2005	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Creek	
Date Entered: May 03, 2005	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: 29m	
Logged By: L. Pigeon				Hole Size: BQ	

Comments:

Directional Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
35.00		-50.90	A	DO	
65.00	183.90	-49.80	SS	OK	
95.00	185.80	-48.30	SS	OK	
125.00	187.70	-47.30	SS	OK	
155.00	189.10	-45.10	SS	OK	
183.00		-44.60	A	DO	

L. Pigeon
For L. Pigeon



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY36-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 29.00	(CAS) Casing/Overburden				
29.00 TO 32.40	(2) Mafic Volcanic Rocks Fine-grained dark-gray silicified mafic fragmental unit. Fragments are composed of felsic rocks. They are fine-grained light gray to white, massive or plagioclase porphyritic. The massive fragments are more common. Fragments are sub-rounded to rounded and vary in size from a few mm to up to 2 cm. The matrix is locally plagioclase porphyritic.	29.00 - 32.40: (F) Fragmental	29.00 - 29.30: (BC) Broken Core,	29.00 - 32.40: (SI) Silicification, (S) Strong, (P) Pervasive	29.00 - 32.40: 0.3% (PO) Pyrrhotite, (S) Stringer
32.40 TO 47.40	(2) Mafic Volcanic Rocks Fine-grained light greenish gray silicified mafic volcanic rock. The rock is locally plagioclase porphyritic. The plagioclase phenocrysts are white, <1mm and subhedral. The rock displays various devitrification textures. The rock is cross-cut by numerous quartz and quartz+plagioclase veins that commonly contains Po. These veins are also sometimes sericitized. Po is the most common sulphide. It is mostly vein/fracture controlled but is also disseminated. Trace Py and Cp are also present.	32.40 - 47.40: (A) Fine Grained 32.40 - 47.40: (M) Massive	35.00 - 35.25: (JTQC) Joint - Quartz Carbonate, qz+plagio	32.40 - 47.40: (SE) Sericitization, (W) Weak, (FV) Fracture/Veined controlled 32.40 - 47.40: (SI) Silicification, (M) Moderate, (P) Pervasive	32.40 - 47.40: 0.01% (CP) Chalcopyrite, (D) Disseminated/Blebbly 32.40 - 47.40: 0.5% (PO) Pyrrhotite, (FV) Fracture/Veined Controlled 32.40 - 47.40: 0.01% (PY) Pyrite, (D) Disseminated/Blebbly



DETAILED LOG FALCONBRIDGE LTD.

Hole Number: **BY36-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
47.40 TO 50.30	<p>(5) Sedimentary Rocks Sedimentary unit composed of interbedded chert and metamorphosed chlorite rich sediments.</p> <p>This unit is similar to the typical metamorphosed Iron-formation however no magnetite bands are present. Only a few of this dark gray chert beds are slightly magnetic.</p> <p>Chert beds are 1 to 15 cm thick. They are light to dark gray. They commonly contain chlorite-filled fractures and chlorite blebs.</p> <p>The chlorite rich mafic tuff beds are 1 to 4 cm thick. The rock is fine-grained and green to dark green. The mafic tuff commonly contains light pink anhedral garnet crystals. In the garnet bearing beds, chlorite has been metamorphosed to actinolite. The chloritic sediments host most of the Po mineralization.</p> <p>Po is mostly found in the chloritic mafic tuff beds but also occurs in the chert beds. In the mafic tuff Po is disseminated or occurs as irregular-shaped blebs. A minor amount of Po bands parallel to bedding are also present. They are usually 1-2 mm thick. Trace amounts of fracture-controlled Cp is also present.</p>	47.40 - 50.30: (A) Fine Grained 47.40 - 50.30: (CH) Chert 47.40 - 50.30: (TUF) Tuff	47.40 - 50.30: (BD) Bedding, 65 Deg to CA	47.40 - 50.30: (CHL) Chloritization, (M) Moderate, (P) Pervasive in tuff	47.40 - 50.30: 0.01% (CP) Chalcopyrite, (D) Disseminated/Blebbly 47.40 - 50.30: 3% (PO) Pyrrhotite, (D) Disseminated/Blebbly



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY36-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
50.30 TO 92.00	<p>(3) Intermediate Volcanic Rocks</p> <p>Fine-grained dark gray plagioclase porphyritic intermediate volcanic rock interbedded with mineralized chert+chlorite beds.</p> <p>The intermediate volcanic rock contains ~10-15 % white anhedral phenocrysts that reach up to 2 mm in size. This may be a intermediate crystal tuff. The unit is cross-cut by several thin quartz-filled fractures.</p> <p>The intermediate rock is interbedded with several types of rock. The most common is chert+chlorite-rich beds. They are 10 and 150 cm thick. The chert is dark gray and contains a minor amount of Po. They are up to 10 cm thick. Some of the darker chert beds are weakly magnetic. Chert is interbedded with fine-grained dark green chlorite-rich beds. They contain about 5-7% Po and a minor amount of Py.</p> <p>This unit is also interbedded with 2 fragmental beds. The rock is composed of a dark gray matrix of intermediate composition. It contains ~5% white anhedral plagioclase phenocrysts. The fragments are composed of felsic volcanic rock. They are white to light gray and are up to 2cm long. The fragments are sub-rounded and are highly stretched along the foliation (5:1 ratio). The rock contains ~15% fragments.</p> <p>A few massive fine-grained massive mafic tuff beds are also present. They reach up too 25 cm in thickness. The rock is light green and and has undergone pervasive serpentinization.</p> <p>59.60 - 59.90</p> <p>(5) Sedimentary Rocks</p> <p>60.70 - 60.85</p> <p>(5) Sedimentary Rocks</p> <p>76.80 - 77.70</p> <p>(5) Sedimentary Rocks</p>	<p>50.30 - 92.00: (FP) Feldspar Phyrlic</p> <p>50.30 - 92.00: (M) Massive</p> <p>50.30 - 92.00: (A) Fine Grained</p> <p>59.60 - 59.90: (CH) Chert</p> <p>60.70 - 60.85: (CH) Chert</p> <p>76.80 - 77.70: (CH) Chert</p> <p>80.70 - 82.10: (CH) Chert</p>	<p>64.80 - 65.00: (BC) Broken Core,</p> <p>71.40 - 71.70: (BC) Broken Core,</p> <p>73.40 - 75.00: (BC) Broken Core,</p> <p>84.40 - 84.60: (JTQC) Joint - Quartz Carbonate, qz vein</p> <p>85.70 - 87.00: (SHZ) Shear (Shear Zone), 75 Deg to CA</p> <p>with BC</p>		<p>50.30 - 92.00: 0.1% (PO) Pyrrhotite, (D) Disseminated/Blebbly</p> <p>59.60 - 59.90: 6% (PO) Pyrrhotite, (D) Disseminated/Blebbly</p> <p>59.60 - 59.90: 0.5% (PY) Pyrite, (D) Disseminated/Blebbly</p> <p>60.70 - 60.85: 1% (PO) Pyrrhotite, (D) Disseminated/Blebbly</p> <p>76.80 - 77.70: 3% (PO) Pyrrhotite, (B) Bedded</p> <p>80.70 - 82.10: 5% (PO) Pyrrhotite, (B) Bedded</p>



DETAILED LOG FALCONBRIDGE LTD.

Hole Number: **BY36-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
80.70 - 82.10	(5) Sedimentary Rocks				
92.00 TO 96.00	(2) Mafic Volcanic Rocks Fine-grained greenish gray massive mafic volcanic rock. The rock is locally medium-grained likely the result of contact metamorphism. The rock is sodt and is weakly to moderatly serpentinized. Sulphides are not common in this unit.	92.00 - 96.00: (A) Fine Grained 92.00 - 96.00: (M) Massive		92.00 - 96.00: (SER) Serpentinization, (W) Weak, (P) Pervasive	92.00 - 96.00: 0.01% (PY) Pyrite, (D) Disseminated/Blebbly
96.00 TO 119.00	(8) Intermediate Intrusive Rocks Coarse-grained dark gray massive intermediate intrusive rock. The rock is composed of light to dark gray plagioclase and a minor amount of quartz. Mica locally accoutns for up to 5%. The rock is locally sericitized. The sericitized zones contain very fine dessiminated Py. Pyrite is the most common sulphide. It is disseminated and fracture-controlled. A minor amount of disseminated Po is also present.	96.00 - 119.00: (C) Coarse Grained 96.00 - 119.00: (M) Massive		96.00 - 119.00: (SE) Sercitization, (M) Moderate, (P) Pervasive locally	96.00 - 119.00: 0.02% (PO) Pyrrhotite, (D) Disseminated/Blebbly 96.00 - 119.00: 0.5% (PY) Pyrite, (D) Disseminated/Blebbly
119.00 TO 127.40	(9) Felsic Intrusive Rocks Fine- to medium grained yellowish gray felsic intrusive rock. This unit is most likely related to the intermediate intrusive rock. The rock is moderately to strongly schistose and is sericitized. The rock contains ~1% very fine disseminated Py and also ~0.1% Po. The rock is composed of a ground sericitized plagioclase matrix and remnant anhedral gray to dark gray plagioclase phenocrysts. A minor amount of quartz is present.	119.00 - 127.40: (A) Fine Grained 119.00 - 127.40: (B) Medium Grained	119.00 - 127.40: (SSF) Strongly Schistose/Foliated, 50 Deg to CA 119.70 - 120.00: (BC) Broken Core, 125.40 - 125.50: (BC) Broken Core,	119.00 - 127.40: (SE) Sercitization, (M) Moderate, (P) Pervasive	119.00 - 127.40: 0.15% (PO) Pyrrhotite, (D) Disseminated/Blebbly 119.00 - 127.40: 1% (PY) Pyrite, (D) Disseminated/Blebbly



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY36-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
127.40 TO 163.80	<p>(2) Mafic Volcanic Rocks <i>Fine-grained greenish gray bedded mafic tuff sequence.</i></p> <p>This unit is composed of massive mafic tuff beds and beds that display grain size sorting. The beds are 30cm to 1m thick. Grain size varies from medium grained at the base to fine grained at the top of the beds. The base of the beds also contain white plagioclase phenocrysts that reach up to 2 mm in size. The phenocrysts are anhedral to subhedral. Grain sorting indicates that tops is downhole. The rock is locally very soft and has undergone pervasive serpentinization.</p> <p>The rock is cross-cut by several small felsic dykes.</p> <p>136.80 - 140.40 (9) Felsic Intrusive Rocks Coarse-grained light gray mica-bearing massive felsic intrusive rock</p> <p>The rock is composed of plagioclase and quartz. It contains 10-15% black mica and a minor amount of chloritized amphibole. Trace amounts of Po and Py are present.</p>	<p>127.40 - 163.80: (A) Fine Grained 127.40 - 163.80: (B) Medium Grained 127.40 - 163.80: (BD) Bedded 127.40 - 163.80: (M) Massive 136.80 - 140.40: (C) Coarse Grained 136.80 - 140.40: (M) Massive</p>	127.40 - 163.80: (BD) Bedding, 60 Deg to CA		<p>136.80 - 140.40: 0.1% (PO) Pyrrhotite, (D) Disseminated/Blebbly 136.80 - 140.40: 0.01% (PY) Pyrite, (D) Disseminated/Blebbly</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY36-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
163.80 TO 183.00	<p>(3) Intermediate Volcanic Rocks</p> <p>Fine-grained to medium-grained light gray silicified plagioclase porphyritic intermediate volcanic rock.</p> <p>This is a very heterogeneous unit that contains several rock types and textures. Most of the textures now visible are likely the result of the intense silicification, recrystallization and also from devitrification.</p> <p>Most of the unit is composed of fine-grained silicified intermediate volcanic rock that contain 10% anhedral plagioclase phenocrysts and 20-30% light gray spots of 1-3 mm that are cause by devitrification.</p> <p>The rock locally contains ~40% subhedral plagioclase phenocrysts that reach up to 3mm in size. The rock also contain sub-rounded plagioclase phenos that reach up to 6mm in size. This bed is likely a crystal tuff.</p> <p>the rock is strongly silicified and is locally epidotized.</p> <p>Sulphides are not common. Only a minor of Po and Py are present.</p>	<p>163.80 - 183.00: (M) Massive</p> <p>163.80 - 183.00: (FP) Feldspar Phyric</p> <p>163.80 - 183.00: (A) Fine Grained</p> <p>163.80 - 183.00: (B) Medium Grained</p>		<p>163.80 - 183.00: (SI) Silicification, (S) Strong, (P) Pervasive</p>	<p>163.80 - 183.00: 0.01% (PO) Pyrrhotite, (D) Disseminated/Blebbly</p> <p>163.80 - 183.00: 0.01% (PY) Pyrite, (D) Disseminated/Blebbly</p>
183.00 TO 183.01	<p>(EOH) End of Hole</p>				



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY36-01**

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
AV03356	52.70	52.80	0.10			56.03	1.17	16.24	9.60	0.16	3.60	7.45	3.38	1.13	0.14		0.92	99.88	90	19	115	44	103	
AV03357	113.80	113.90	0.10			71.49	0.37	12.65	4.78	0.09	0.41	2.44	4.07	1.28	0.07		1.32	99.03	150	48	214	102	102	
AV03358	142.10	142.20	0.10			58.30	0.69	16.19	7.28	0.09	5.37	3.79	3.55	1.03	0.13		3.18	99.66	111	13	117	3	53	
AV03359	174.90	175.00	0.10			57.49	1.28	17.11	6.64	0.14	1.23	10.49	2.61	0.25	0.18		2.34	99.82	97	21	133	3	63	



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY45-01**

Units: METRIC

Project Name: Exploration	Location: Byers Twp.	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -50.00
Project Number: Explor	Section:	Grid: UTM: (P)	Grid: UTM:	Grid: UTM:	Collar Az: 45.00
Claim Number: P3005515	Parent (if wedge):	North: 5391925.00	North: 5391925.00	North: 1150.00	Length: 201.01
Hole Type: Exploration		East: 443900.00	East: 443900.00	East: 1300.00	Start Depth: 0.00
		Elev: 300.00	Elev: 300.00	Elev: 0.00	Final Depth: 201.01
Date Started: May 01, 2005	Collar Survey: N	Pulse EM Survey: N	Multishot Survey: N	Contractor: FORAGE ORBIT	
Date Completed: May 05, 2005	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Creek	
Date Entered:	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: 29m	
Logged By: L. Pigeon				Hole Size: BQ	

Comments:

Directional Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	45.00	-50.00	T	OK	
35.00	43.00	-48.90	T	OK	
95.00	50.70	-46.50	T	OK	
155.00	52.80	-43.60	T	OK	
201.00	59.10	-40.40	T	OK	

L. Pigeon
For Linc Pigeon



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY45-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 29.00	(CAS) Casing/Overburden				
29.00 TO 69.70	(2) Mafic Volcanic Rocks Fine-grained light green massive mafic volcanic rock. The rock contains less than 1% anhedral white plagioclase phenocrysts that reach up to 1cm in size. White leucoxene is also common. The unit is cross-cut by numerous carbonate veinlets and stringers. At ~44m the rock is locally strongly sericitized for ~25cm. The sericitization occurs near a quartz+plagioclase vein. The rock is brecciated near the contact with the laminated chert and a minor amount of chert fragments are present. The fragments are light gray and sometimes display laminations. The last 2 m of the unit contain disseminated and vein-controlled Po and trace Cp. Both account for less than 1%.	29.00 - 69.70: (A) Fine Grained 29.00 - 69.70: (M) Massive 67.50 - 69.70: (BX) Breccia 67.50 - 69.70: (F) Fragmental	40.80 - 41.00: (JTR) Joint - Regular, 10 Deg to CA 45.20 - 45.40: (JTR) Joint - Regular, 10 Deg to CA	29.00 - 69.70: (SE) Sericitization, (S) Strong, (FV) Fracture/Veined controlled only in one spot 29.00 - 69.70: (CC) Calcite (Calcitic Alt.), (M) Moderate, (FV) Fracture/Veined controlled	67.00 - 69.70: 1% (PO) Pyrrhotite, (D) Disseminated/Blebbly



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY45-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
69.70 TO 77.75	<p>(5) Sedimentary Rocks Fine-grained dark gray thinly laminated Iron-formation interbedded with chloritic mafic tuff beds.</p> <p>The rock is composed of thinly laminated dark gray iron formation which is interbedded with mafic tuff. Iron formation beds reach up to 60cm in thickness. They contain dark gray and black chert laminations that reach 4mm in thickness. Both types of laminations are strongly magnetic. Discontinuous Py and Po laminations are also present.</p> <p>The mafic tuff beds are fine-grained dark green and are usually massive although some display laminations. The mafic tuff beds are usually less than 30 cm thick. The mafic tuff contains disseminated Po and Py</p> <p>The unit is cross-cut by a thick 1.4m quartz vein that contains blebs of Po and a minor amount of Py.</p> <p>75.10 - 76.40 (QV) Quartz Vein</p>	<p>69.70 - 77.75: (A) Fine Grained 69.70 - 77.75: (BD) Bedded 69.70 - 77.75: (IF) Oxide Iron Formation 69.70 - 77.75: (TUF) Tuff mafic</p>	<p>69.70 - 77.75: (BD) Bedding, variable</p>	<p>69.70 - 77.75: (CHL) Chloritization, (M) Moderate, (P) Pervasive in tuff</p>	<p>69.70 - 77.75: 0.75% (PY) Pyrite, (D) Disseminated/Blebbly Also fracture-controlled 69.70 - 77.75: 1% (PO) Pyrrhotite, (D) Disseminated/Blebbly also bedded 75.10 - 76.40: 0.02% (PY) Pyrite, (D) Disseminated/Blebbly 75.10 - 76.40: 1% (PO) Pyrrhotite, (D) Disseminated/Blebbly</p>
77.75 TO 89.20	<p>(2) Mafic Volcanic Rocks Fine-grained greenish gray to green massive mafic volcanic rock (tuff).</p> <p>The rock is weakly to moderately carbonate-altered and is cross-cut by several carbonate stringers. The rock is moderately magnetic however no magnetite crystals were visible.</p> <p>The rock contains a minor amount of disseminated Po and Py.</p>	<p>77.75 - 89.20: (M) Massive 77.75 - 89.20: (A) Fine Grained 77.75 - 89.20: (TUF) Tuff</p>		<p>77.75 - 89.20: (CHL) Chloritization, (M) Moderate, (P) Pervasive 77.75 - 89.20: (CC) Calcite (Calcitic Alt.), (W) Weak, (P) Pervasive</p>	<p>77.75 - 89.20: 0.05% (PY) Pyrite, (D) Disseminated/Blebbly 77.75 - 89.20: 0.1% (PO) Pyrrhotite, (D) Disseminated/Blebbly</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY45-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
89.20 TO 96.10	(5) Sedimentary Rocks Fine-grained massive mafic tuff interbedded with thinly laminated chert The mafic tuff is fine-grained and massive. Mafic tuff beds reach up to 50cm. The tuff is moderately chloritized. The chert is fine-grained light gray to white and is thinly laminated. Chert beds reach up to 30 cm but are mostly in the order of 10-15cm. Chert is often interlaminated with chlorite and Po laminations. Po laminations are commonly discontinuous. They reach up to 3 mm in thickness. Chert and Chlorite laminations are often folded. One chert bed contains dark gray chert lamintions that are strongly magnetic. Po is the most common sulphide. It occurs in thin laminations and also is disseminated. Py is not common but ubiquitous.				
96.10 TO 146.80	(2) Mafic Volcanic Rocks Fine-grained green massive mafic volcanic rock (tuff). The rock is cross-cut by numerous carbonate veins and stringers. The rock contains a minor amount of dessiminated Py.	96.10 - 146.80: (M) Massive 96.10 - 146.80: (A) Fine Grained		96.10 - 146.80: (CHL) Chloritization, (M) Moderate, (P) Pervasive	96.10 - 146.80: 0.1% (PY) Pyrite, (D) Disseminated/Blebbly
146.80 TO 155.30	(5) Sedimentary Rocks Iron-formation horizon composed of interbedded chert and chloritic mafic tuff. The chert is light and dark gray and displays thin laminations. Black, 1-3mm magnetite lamellae are locally present. Chert beds reach are up to 30 cm thick. Mafic tuff beds are fine-grained and massive but sometimes display bedding. They are locally chloritized and silicified. Some thin Po lamellae are interbedded with the chert. They are usually less than 1mm thick. Po and Py is also dessiminated in the mafic tuff and present in carbonate-veinlets.	146.80 - 155.30: (IF) Oxide Iron Formation 146.80 - 155.30: (BD) Bedded 146.80 - 155.30: (TNL) Thinly Laminated 146.80 - 155.30: (TUF) Tuff	146.80 - 155.30: (BD) Bedding, 30 Deg to CA	146.80 - 155.30: (SI) Silicification, (M) Moderate, (S) Spots/Mealy locally in mafic tuff 146.80 - 155.30: (CHL) Chloritization, (M) Moderate, (S) Spots/Mealy locally in mafic tuff	146.80 - 155.30: 0.01% (CP) Chalcopyrite, (D) Disseminated/Blebbly 146.80 - 155.30: 1% (PO) Pyrrhotite, (B) Bedded 146.80 - 155.30: 0.1% (PY) Pyrite, (D) Disseminated/Blebbly



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY45-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
155.30 TO 201.00	<p>(2) Mafic Volcanic Rocks Fine-grained dark green pillowed and amygdaloidal mafic volcanic rock.</p> <p>Pillow margins are up to 3 cm thick and are chloritized. They commonly contain disseminated Po. Carbonate amygdules are common near the pillow margins. They are sub-rounded and reach up to 3 mm. The rock locally contains up to 15 % carbonate amygdules.</p> <p>The rock is locally brecciated or massive. The rock contains numerous carbonate stringers that produce a stockwork-type texture.</p> <p>Po is most common sulphide. It is disseminated and fracture controlled. Only a minor amount of pyrite is present. Chalcopyrite</p>	<p>155.30 - 201.00: (A) Fine Grained 155.30 - 201.00: (P) Pillowed 155.30 - 201.00: (M) Massive 155.30 - 201.00: (BX) Breccia 155.30 - 201.00: (E) Amygdaloidal/Vesicular</p>		<p>155.30 - 201.00: (CHL) Chloritization, (M) Moderate, (P) Pervasive 155.30 - 201.00: (CC) Calcite (Calcitic Alt.), (S) Strong, (FV) Fracture/Veined controlled</p>	<p>155.30 - 201.00: 0.2% (PO) Pyrrhotite, (D) Disseminated/Blebbly 155.30 - 201.00: 0.02% (PY) Pyrite, (D) Disseminated/Blebbly 155.30 - 201.00: 0.01% (CP) Chalcopyrite, (FV) Fracture/Veined Controlled</p>
201.00 TO 201.01	(EOH) End of Hole				

Oct 15, 2007



DETAILED LOG FALCONBRIDGE LTD.

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Hole Number: **BY55-01**

Units: METRIC

Project Name: Exploration	Location: Byers Twp.	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -50.00
Project Number: Explor	Section:	Grid: UTM: (P)	Grid: UTM:	Grid: UTM:	Collar Az: 0.00
Claim Number: P3005513	Parent (if wedge):	North: 5392575.00	North: 5392575.00	North: 800.00	Length: 297.01
Hole Type: Exploration		East: 444035.00	East: 444035.00	East: 1575.00	Start Depth: 0.00
		Elev: 300.00	Elev: 300.00	Elev: 0.00	Final Depth: 297.01
Date Started: May 06, 2005	Collar Survey: N	Pulse EM Survey: N	Multishot Survey: N	Contractor: FORAGE ORBIT	
Date Completed: May 08, 2005	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Creek	
Date Entered: Jul 05, 2005	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: 22m	
Logged By: L. Pigeon				Hole Size: BQ	

Comments:

Directional Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
30.00	1.60	-49.90	T	OK	
90.00	3.90	-45.90	T	OK	
110.00		-45.40	A	DO	
210.00	2.90	-37.60	T	OK	
297.00	5.70	-30.90	T	OK	

L. Pigeon
For Luc Pigeon



DETAILED LOG FALCONBRIDGE LTD.

Hole Number: **BY55-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 22.00	(CAS) Casing/Overburden				
22.00 TO 35.00	(2) Mafic Volcanic Rocks Fine-grained light greenish gray massive mafic volcanic rock. The rock contains carbonate-filled vesicles that range in size from 1-6mm. The rock is cross-cut by numerous calcite veinlets. A moderate to strong pervasive calcite alteration and a light chloritic alteration is present. The rock contains ~0.1% disseminated euhedral pyrite.	22.00 - 35.00: (E) Amygdaloidal/Vesicular Calcite 22.00 - 35.00: (A) Fine Grained 22.00 - 35.00: (M) Massive	22.00 - 35.00: (SF) Schistose/Foliated, 40 Deg to CA	22.00 - 35.00: (CC) Calcite (Calcitic Alt.), (M) Moderate, (P) Pervasive to strong 22.00 - 35.00: (CHL) Chloritization, (W) Weak, (P) Pervasive	22.00 - 35.00: 0.1% (PY) Pyrite, (D) Disseminated/Blebbly
35.00 TO 76.80	(3) Intermediate Volcanic Rocks Fine- to medium-grained light to gray massive intermediate volcanic rock. The rock contains a minor amount of sub-rounded quartz amygdules that reach up to 4 mm in size. It is cross cut by numerous quartz, quartz+carb and carb veins and veinlets. Some larger quartz veins contains Cp. The rock contains a minor amount of disseminated Py and leucoxene.	35.00 - 76.80: (A) Fine Grained 35.00 - 76.80: (B) Medium Grained 35.00 - 76.80: (M) Massive	35.00 - 76.00: (SF) Schistose/Foliated, 45 Deg to CA 37.70 - 37.90: (BC) Broken Core. 50.20 - 50.40: (JTQC) Joint - Quartz Carbonate, quartz 52.20 - 52.50: (JTQC) Joint - Quartz Carbonate, quartz 56.65 - 57.00: (JTQC) Joint - Quartz Carbonate, quartz 60.90 - 61.10: (JTQC) Joint - Quartz Carbonate, quartz	35.00 - 76.80: (CC) Calcite (Calcitic Alt.), (W) Weak, (P) Pervasive	35.00 - 76.80: 0.01% (CP) Chalcopyrite, (FV) Fracture/Veined Controlled 35.00 - 76.80: 0.1% (PY) Pyrite, (D) Disseminated/Blebbly
76.80 TO 141.70	(2) Mafic Volcanic Rocks Fine-grained light gray to light greenish gray carbonate-altered massive mafic volcanic rock. The rock contains ~1% quartz amygdule that reach up to 3 mm. Amygdules are locally more abundant and account for ~10% of the rock. The rock has undergone intense pervasive carbonate alteration and locally silicification and sericitization. This is especially the case for the last 4 m of the unit where the rock is yellowish white and has been completely replaced. Pyrite is the most common sulphide and is disseminated. A minor amount of Cp is also present.	76.80 - 141.70: (A) Fine Grained 76.80 - 141.70: (E) Amygdaloidal/Vesicular Quartz ~1% 76.80 - 141.70: (M) Massive	76.80 - 76.81: (FZG) Fault Zone - Gouge, 30 Deg to CA 76.80 - 77.20: (JTQC) Joint - Quartz Carbonate, qz vein 77.20 - 77.21: (FZG) Fault Zone - Gouge, 30 Deg to CA 116.20 - 116.25: (JTR) Joint - Regular, 35 Deg to CA 116.35 - 116.45: (JTR) Joint - Regular, 20 Deg to CA 127.60 - 127.70: (FV) Fractured and Veined, 136.40 - 136.60: (JTR) Joint - Regular, 25 Deg to CA	76.80 - 141.70: (SI) Silicification, (M) Moderate, (P) Pervasive local 76.80 - 141.70: (CC) Calcite (Calcitic Alt.), (S) Strong, (P) Pervasive 76.80 - 141.70: (SE) Sericitization, (W) Weak, (P) Pervasive local	76.80 - 141.70: 0.25% (PY) Pyrite, (D) Disseminated/Blebbly 76.80 - 141.70: 0.01% (CP) Chalcopyrite, (D) Disseminated/Blebbly



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY55-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
141.70 TO 168.60	<p>(4) Felsic Volcanic Rocks Fine-grained light to dark gray intermediate to felsic volcanic rock.</p> <p>The rock contain numerous white patches that appear to be the product of alteration. The rock is soft and has undergone light to moderate sericitization, however it is also locally silicified. A strong 45 degree schistosity is present. The rock is cross-cut by a minor amount of calcite and quartz veins. Pyrite is the only sulphide present. It is usually euhedral, cube-shaped and reach up to 4 mm in size.</p> <p>150.90 - 159.20 (7) Mafic Intrusive Rocks Medium- to coarse-grained massive chloritized gabbro Dyke.</p> <p>Chill margins are well-developped and reach up to 1 m on each side. The chill margins are fine-grained dark green and are chloritized and strongly carbonate altered. The coarse-grained gabbro is composed of ~60% dark-green chloritized amphiboles and epidotized plagioclase. The coarse-grained rock has undergone moderate pervasive carbonate alteration. The rock contains ~ 0.75% dessiminated euhedral pyrite.</p>	<p>141.70 - 168.60: (A) Fine Grained 150.90 - 159.20: (B) Medium Grained 150.90 - 159.20: (M) Massive</p>	<p>141.70 - 168.60: (SF) Schistose/Foliated, 45 Deg to CA 165.90 - 166.40: (BC) Broken Core,</p>	<p>141.70 - 168.60: (SE) Sericitization, (M) Moderate, (P) Pervasive 141.70 - 168.60: (SI) Silicification, (M) Moderate, (P) Pervasive locally 150.90 - 159.20: (EP) Epidotization, (W) Weak, (P) Pervasive 150.90 - 159.20: (CHL) Chloritization, (S) Strong, (P) Pervasive 150.90 - 159.20: (CC) Calcite (Calcitic Alt.), (M) Moderate, (P) Pervasive</p>	<p>141.70 - 168.60: 0.5% (PY) Pyrite, (D) Disseminated/Blebbly 150.90 - 159.20: 0.5% (PY) Pyrite, (D) Disseminated/Blebbly</p>
168.60 TO 185.70	<p>(2) Mafic Volcanic Rocks Fine-grained yellowish gray strongly altered massive mafic volcanic rock.</p> <p>The rock is soft and has undergone pervasive sericitization and carbonate alteration. The rock is cross-cut by numerous carbonate veinlets. It contains ~ 0.5% - 1% dessiminated Pyrite.</p>	<p>168.60 - 185.70: (A) Fine Grained 168.60 - 185.70: (M) Massive</p>		<p>168.60 - 185.70: (CC) Calcite (Calcitic Alt.), (M) Moderate, (P) Pervasive 168.60 - 185.70: (SE) Sericitization, (M) Moderate, (P) Pervasive</p>	
185.70 TO 201.70	<p>(8) Intermediate Intrusive Rocks Medium- to coarse-grained dark gray locally plagioclase porphyritic massive intermediate intrusive rock.</p> <p>The rock is weakly carbonatized and is cross-cut by several carbonate veins and veinlets, and a few quartz veins. The rock contains ~0.25% dessiminated pyrite.</p>	<p>185.70 - 201.70: (M) Massive 185.70 - 201.70: (C) Coarse Grained 185.70 - 201.70: (B) Medium Grained 185.70 - 201.70: (FP) Feldspar Phyric locally</p>	<p>193.70 - 193.85: (JTQC) Joint - Quartz Carbonate, qz vein 198.75 - 198.90: (BC) Broken Core, 201.45 - 201.60: (JTR) Joint - Regular, 30 Deg to CA</p>	<p>185.70 - 201.70: (CC) Calcite (Calcitic Alt.), (W) Weak, (P) Pervasive</p>	<p>185.70 - 201.70: 0.25% (PY) Pyrite, (D) Disseminated/Blebbly</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY55-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
201.70 TO 297.00	<p>(2) Mafic Volcanic Rocks Fine-grained light green massive carbonate-altered mafic volcanic rock.</p> <p>The rock has undergone strong pervasive cc-alteration and react well to HCl. Carbonate veins and veinlets are common. Pyrite is more abundant near these veins. The rock contains ~1% oval-shaped carbonate amygdules that reach up to 4 mm. The amygdules are especially common in the last 10 m of the hole where they account for up to 8% of the rock. The rock is locally silicified and in these area quartz amygdules are common. Pyrite is fine-grained (<1mm) and dessiminated but is locally enriched in zones of intense carbonate alteration. The rock as also undergone pervasive chlorite alteration and some stretched chlorite amygdules? are also present.</p> <p>290.50 - 290.65 (4) Felsic Volcanic Rocks Very fine-grained massive light gray chert? bed.</p>	<p>201.70 - 297.00: (E) Amygdaloidal/Vesicular mostly carbonate but some Qz 201.70 - 297.00: (M) Massive 201.70 - 297.00: (A) Fine Grained</p>	<p>201.80 - 201.90: (JTR) Joint - Regular, 40 Deg to CA 227.30 - 227.40: (JTR) Joint - Regular, 30 Deg to CA 246.80 - 247.10: (JTR) Joint - Regular, 30 Deg to CA 274.00 - 274.20: (JTR) Joint - Regular, 30 Deg to CA 283.70 - 283.80: (FZG) Fault Zone - Gouge, 30 Deg to CA</p>	<p>201.70 - 297.00: (CHL) Chloritization, (M) Moderate, (P) Pervasive 201.70 - 297.00: (CC) Calcite (Calcitic Alt.), (S) Strong, (P) Pervasive 201.70 - 297.00: (SI) Silicification, (W) Weak, (P) Pervasive locally</p>	<p>201.70 - 297.00: 0.5% (PY) Pyrite, (D) Disseminated/Blebbly</p>
297.00 TO 297.01	(EOH) End of Hole				



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY55-01**

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
AV05480	29.50	29.65	0.15			60.85	0.87	15.13	4.95	0.08	1.88	6.98	1.73	0.75	0.16		5.75	99.19	192	15	104	22	74			
AV05481	60.60	60.75	0.15			68.38	0.50	15.06	4.78	0.05	1.41	2.25	3.49	0.54	0.12		2.30	98.96	494	13	154	3	70			
AV05482	108.00	108.10	0.10			54.91	0.84	15.54	6.77	0.11	3.01	8.05	0.90	0.62	0.12		7.92	98.86	211	16	100	3	77			
AV05483	133.00	133.10	0.10			60.60	0.90	16.41	5.62	0.07	2.58	6.32	1.74	0.55	0.13		3.91	98.94	482	15	106	80	67			
AV05484	154.00	154.10	0.10			47.42	2.23	12.50	18.78	0.27	4.15	7.48	0.70	0.01	0.21		5.62	99.44	115	45	148	3	178			
AV05485	159.55	159.65	0.10			73.96	0.24	13.19	3.33	0.03	1.37	0.62	1.07	1.99	0.08		2.43	98.34	155	17	165	3	36			
AV05486	176.40	176.50	0.10			59.89	0.83	15.80	6.06	0.09	2.88	5.44	1.80	0.51	0.14		5.67	99.18	297	14	96	3	87			
AV05487	189.40	189.50	0.10			63.56	0.50	15.92	4.93	0.06	1.69	5.28	2.91	0.94	0.13		3.05	99.03	517	9	131	32	60			
AV05488	209.80	209.90	0.10			52.28	0.82	16.21	7.51	0.12	3.64	8.34	1.85	0.52	0.14		7.81	99.32	324	16	101	3	95			
AV05489	252.30	252.40	0.10			45.11	0.85	16.52	9.33	0.15	3.77	10.26	2.04	0.60	0.15		10.82	99.69	163	17	100	41	141			
AV05490	288.90	289.00	0.10			50.06	0.72	14.73	8.70	0.14	4.42	8.70	1.65	0.51	0.14		9.72	99.58	258	14	85	5	138			

Oct 15, 2007



DETAILED LOG FALCONBRIDGE LTD.

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Hole Number: **BY55-02**

Units: METRIC

Project Name: Exploration	Location: Byers Twp.	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -50.00
Project Number: Explor	Section:	Grid: UTM: (P)	Grid: UTM:	Grid: UTM:	Collar Az: 145.00
Claim Number: P3005513	Parent (if wedge):	North: 5392716.00	North: 5392716.00	North: 960.00	Length: 249.01
Hole Type: Exploration		East: 443950.00	East: 443950.00	East: 1500.00	Start Depth: 0.00
		Elev: 300.00	Elev: 300.00	Elev: 0.00	Final Depth: 249.01
Date Started: May 10, 2005	Collar Survey: N	Pulse EM Survey: Y	Multishot Survey: N	Contractor: FORAGE ORBIT	
Date Completed: May 14, 2005	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Creek	
Date Entered: Jul 05, 2005	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: 49m	
Logged By: L. Pigeon				Hole Size: BQ	

Comments:

Directional Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
49.00		-50.20	A	DO	
170.00	153.60	-42.80	SS	OK	
249.00	160.40	-37.70	SS	OK	

L. Pigeon
For L. Pigeon



DETAILED LOG FALCONBRIDGE LTD.

Hole Number: **BY55-02**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 49.00	(CAS) Casing/Overburden				
49.00 TO 64.80	(3) Intermediate Volcanic Rocks Fine-grained light gray massive intermediate volcanic rock. The rock is cross-cut by several carbonate veinlets (some contain chlorite) and is locally lightly cc-altered. A few quartz veins are also present. Pyrite is the most common sulphide and is more abundant near carbonate and chlorite veins. Po is also associated with Carb+Chl veins.	49.00 - 64.80: (M) Massive 49.00 - 64.80: (A) Fine Grained	56.10 - 56.40: (JTR) Joint - Regular, 30 Deg to CA 62.75 - 63.00: (BC) Broken Core, 63.80 - 64.10: (BC) Broken Core,	49.00 - 64.80: (CC) Calcite (Calcitic Alt.), (W) Weak, (FV) Fracture/Veined controlled 49.00 - 64.80: (CHL) Chloritization, (W) Weak, (S) Spots/Mealy	49.00 - 64.80: 0.01% (PO) Pyrrhotite, (D) Disseminated/Blebbly 49.00 - 64.80: 0.25% (PY) Pyrite, (D) Disseminated/Blebbly
64.80 TO 74.10	(5) Sedimentary Rocks Bedded sedimentary sequence composed of chert, intermediate tuff and Iron Formation. Chert beds are very fine-grained, yellowish white, light to dark gray and are thinly laminated. The beds are up to 30 cm thick. They contain less than 1% Py and trace amounts of Cp, which is mostly fracture controlled. The intermediate in fine-grained, gray to dark gray and is mostly massive however it also commonly bedded with finer grained intermediate tuff. A minor amount of quartz is present. The iron formation is composed of dark gray chert interbedded with thin chlorite+/- magnetite laminations reaching up to 3cm. Magnetite laminations are also common and reach up to 4mm thick. Sulphides are preferentially found in the chlorite-rich beds. Py and Po are to most common sulphide, however Cp is ubiquitous. A few fragmental beds are also present. They are usually less than 10 cm thick, matrix supported and contain angular intermediate to felsic fragments. Some of the beds have been disturbed and folded.	64.80 - 74.10: (F) Fragmental thin beds 64.80 - 74.10: (IF) Oxide Iron Formation 64.80 - 74.10: (BD) Bedded 64.80 - 74.10: (CH) Chert	64.80 - 74.10: (FLD) Fold, locally 64.80 - 74.10: (BD) Bedding, 45 Deg to CA 65.20 - 65.40: (BC) Broken Core, 65.60 - 65.70: (JTR) Joint - Regular, 30 Deg to CA	64.80 - 74.10: (CC) Calcite (Calcitic Alt.), (S) Strong, (P) Pervasive in intermediate tuff	64.80 - 74.10: 0.01% (CP) Chalcopyrite, (FV) Fracture/Veined Controlled trace 64.80 - 74.10: 0.75% (PY) Pyrite, (D) Disseminated/Blebbly average of unit 64.80 - 74.10: 1.5% (MAG) Magnetite, (B) Bedded in IF 64.80 - 74.10: 0.1% (PO) Pyrrhotite, (FV) Fracture/Veined Controlled



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY55-02**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
74.10 TO 91.70	<p>(3) Intermediate Volcanic Rocks <i>Fine-grained massive intermediate to felsic tuff.</i></p> <p>The rock is light green and has a high specific gravity. It has undergone strong pervasive carbonate alteration and also appears to have been serpentinized. The rock contains 1-3% anhedral quartz phenocrysts that are less than 1mm in size.</p>	<p>74.10 - 91.70: (QP) Quartz Phyric/Porphyr 74.10 - 91.70: (A) Fine Grained 74.10 - 91.70: (M) Massive</p>		<p>74.10 - 91.70: (SER) Serpentinization, (W) Weak, (P) Pervasive 74.10 - 91.70: (CC) Calcite (Calcitic Alt.), (S) Strong, (P) Pervasive</p>	<p>74.10 - 91.70: 0.2% (PY) Pyrite, (D) Disseminated/Blebbly</p>
91.70 TO 95.20	<p>(5) Sedimentary Rocks Bedded sedimentary sequence composed of chert +/- magnetite, chlorite and chloritized mafic tuff.</p> <p>Chert beds are very fine-grained, light to dark gray and are thinly laminated, often with magnetite. The dark gray beds are usually highly magnetic. The beds are commonly brecciated. Po is the most common sulphide (up to 5%), although pyrite is also present in appreciable amounts (~2%). Trace amounts of Cp and Sphalerite are present.</p> <p>The mafic tuff is fine-grained, light green, massive and has moderate chlorite alteration. These beds contain less than one 1% Py. Irregular-shaped carbonate blebs are present and reach up to 3cm.</p> <p>The iron formation is composed of dark gray magnetic chert laminated with light gray chert and dark green chlorite laminations. Po is the most common sulphide. Some CP, Spha and pyrite are also present.</p> <p>Chlorite beds are dark green and reach up to 8cm thick. They display thin dark green to black laminations. Chlorite beds contain disseminated euhedral Py</p> <p>The mafic tuff in carbonate-altered and chloritized. Carbonate veinlets are common.</p>	<p>91.70 - 95.20: (CH) Chert 91.70 - 95.20: (TNL) Thinly Laminated 91.70 - 95.20: (BD) Bedded 91.70 - 95.20: (IF) Oxide Iron Formation</p>	<p>91.70 - 95.20: (BD) Bedding, 45 Deg to CA 91.80 - 92.20: (JTR) Joint - Regular, 10 Deg to CA</p>	<p>91.70 - 95.20: (CHL) Chloritization, (M) Moderate, (P) Pervasive 91.70 - 95.20: (CC) Calcite (Calcitic Alt.), (M) Moderate, (P) Pervasive</p>	<p>91.70 - 95.20: 0.01% (CP) Chalcopyrite, (D) Disseminated/Blebbly 91.70 - 95.20: 4% (PO) Pyrrhotite, (D) Disseminated/Blebbly 91.70 - 95.20: 0.01% (SPH) Sphalerite, (D) Disseminated/Blebbly 91.70 - 95.20: 2% (PY) Pyrite, (D) Disseminated/Blebbly</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY55-02**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
95.20 TO 103.35	(4) Felsic Volcanic Rocks <i>Fine-grained light gray carbonate-altered intermediate to felsic fragmental volcanic rock.</i>	95.20 - 103.35: (F) Fragmental 95.20 - 103.35: (A) <i>Fine Grained</i>		95.20 - 103.35: (SI) Silicification, (M) Moderate, (S) Spots/Mealy 95.20 - 103.35: (SE) Sericitization, (M) Moderate, (P) Pervasive 95.20 - 103.35: (CC) Calcite (Calcitic Alt.), (S) Strong, (P) Pervasive	95.20 - 103.35: 0.75% (PY) Pyrite, (D) Disseminated/Blebbly
103.35 TO 103.60	(5) Sedimentary Rocks <i>Fine-grained light gray chert thinly laminated with chlorite.</i>	103.35 - 103.60: (CH) Chert 103.35 - 103.60: (TNL) Thinly Laminated 103.35 - 103.60: (A) <i>Fine Grained</i>			103.35 - 103.60: 1.5% (PY) Pyrite, (D) Disseminated/Blebbly
103.60 TO 146.60	(2) Mafic Volcanic Rocks <i>Fine-grained light greenish gray carbonate-altered pillowed mafic volcanic rock.</i>	103.60 - 146.60: (A) <i>Fine Grained</i> 103.60 - 146.60: (E) Amygdaloidal/Vesicular 103.60 - 146.60: (P) <i>Pillowed</i>		103.60 - 146.60: (CC) Calcite (Calcitic Alt.), (S) Strong, (P) Pervasive 103.60 - 146.60: (SI) Silicification, (W) Weak, (S) Spots/Mealy 103.60 - 146.60: (SE) Sericitization, (W) Weak, (S) Spots/Mealy	103.60 - 146.60: 0.01% (PO) Pyrrhotite, (D) Disseminated/Blebbly 103.60 - 146.60: 0.5% (PY) Pyrite, (D) Disseminated/Blebbly
146.60 TO 150.10	(7) Mafic Intrusive Rocks <i>Fine- to Medium-grained dark-green massive chloritized and cc-altered mafic intrusive dyke.</i>	146.60 - 150.10: (M) <i>Massive</i> 146.60 - 150.10: (A) <i>Fine Grained</i> 146.60 - 150.10: (B) <i>Medium Grained</i>		146.60 - 150.10: (CC) Calcite (Calcitic Alt.), (S) Strong, (P) Pervasive 146.60 - 150.10: (CHL) Chloritization, (S) Strong, (P) Pervasive	146.60 - 150.10: 0.01% (PY) Pyrite, (D) Disseminated/Blebbly
	<i>The rock is cross cut by numerous carbonate veins and veinlets. Some veins also contains epidote. One vein in particular contains a reddish brown mineral which is likely garnet</i>				



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY55-02**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
150.10 TO 158.80	<p>(3) Intermediate Volcanic Rocks <i>Fine-grained light greenish gray plagioclase porphyritic carbonate-altered intermediate volcanic rock (likely a tuff).</i></p> <p>The rock contains about 5-10% white plagioclase phenocrysts. They are anhedral and reach up to 2mm. Quartz amygdules and phenocrysts are also present. The quartz phenos are dark gray, anhedral and less than 1mm in size. The amygdules are oval shaped and reach up to 3mm. Carbonate amygdules are also common.</p> <p>The rock is locally strongly sericitized especially within small shear zones. The rock contains a minor amount of irregular shaped light gray fine grained felsic fragments.</p> <p>Euhedral Pyrite crystals are disseminated throughout the rock and trace amounts of Cp is also present.</p>	<p>150.10 - 158.80: (F) Fragmental <i>minor amount of felsic fragments</i> 150.10 - 158.80: (FP) Feldspar Phyric 150.10 - 158.80: (A) Fine Grained 150.10 - 158.80: (B) Medium Grained</p>		<p>150.10 - 158.80: (SE) Sericitization, (M) Moderate, (FV) Fracture/Veined controlled 150.10 - 158.80: (CC) Calcite (Calcitic Alt.), (S) Strong, (P) Pervasive</p>	<p>150.10 - 158.80: 0.01% (CP) Chalcopyrite, (D) Disseminated/Blebbly trace 150.10 - 158.80: 0.5% (PY) Pyrite, (D) Disseminated/Blebbly</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY55-02**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
158.80 TO 237.50	<p>(2) Mafic Volcanic Rocks Fine-grained dark green massive mafic volcanic rock (tuff) interbedded with fine grained massive gray to dark gray chert.</p> <p>The mafic tuff is fine- to medium-grained is massive. The rock is dark green to greenish gray, depending on chlorite alteration intensity. The mafic tuff in strongly cc-altered and locally weakly silicified. White leucoxene is a common accessory. The rock is cross-cut by numerous 1mm to 1cm carbonate veinlets. The mafic tuff contains about 0.5% disseminated Py.</p> <p>The chert beds are massive or thinly laminated. The thicker bed are mostly massive. Chert beds vary in size from 1-2 cm to 50cm. They can be white, light gray and dark gray. The laminated chert beds display 1-4mm thick laminations that are commonly disturbed or folded. The chert beds are commonly lightly sericitized. Pyrite, Po are the most common sulphide and trace Cp is also present.</p> <p>Carbonate+Chlorite veins ranging in size from 2 cm to 10 cm are common and usually contain ~4-5 % Py</p> <p>A sericitized shear zone is located at 199.8m.</p>	<p>158.80 - 237.50: (TUF) Tuff 158.80 - 237.50: (CH) Chert 158.80 - 237.50: (TNL) Thinly Laminated 158.80 - 237.50: (A) Fine Grained 158.80 - 237.50: (B) Medium Grained</p>	<p>163.45 - 163.47: (FZG) Fault Zone - Gouge, 199.75 - 199.95: (SHZ) Shear (Shear Zone), sericitized 206.80 - 206.95: (JTR) Joint - Regular, 30 Deg to CA</p>	<p>158.80 - 237.50: (SE) Sericitization, (S) Strong, (FV) Fracture/Veined controlled 158.80 - 237.50: (CC) Calcite (Calcitic Alt.), (S) Strong, (P) Pervasive 158.80 - 237.50: (CHL) Chloritization, (M) Moderate, (P) Pervasive</p>	<p>158.80 - 237.50: 0.01% (CP) Chalcopyrite, (D) Disseminated/Blebbly trace 158.80 - 237.50: 1.5% (PY) Pyrite, (FV) Fracture/Veined Controlled 158.80 - 237.50: 0.1% (PO) Pyrrhotite, (D) Disseminated/Blebbly in chert horizons</p>
237.50 TO 249.00	<p>(8) Intermediate Intrusive Rocks medium-grained dark gray plagioclase porphyritic intermediate intrusive rock.</p> <p>Plagioclase phenos are white, anhedral to subhedral and reach up to 2mm. They account for ~10% of the rock. The matrix is mostly composed of gray plagioclase and chloritized amphiboles.</p>	<p>237.50 - 249.00: (B) Medium Grained 237.50 - 249.00: (FP) Feldspar Phyrlic</p>			
249.00 TO 249.01	(EOH) End of Hole				



DETAILED LOG FALCONBRIDGE LTD.

Hole Number: **BY55-02**

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
AV05491	57.40	57.50	0.10			66.96	0.29	15.69	4.81	0.08	1.57	3.71	2.34	0.88	0.11		2.79	99.30	341	21	234	3	83			
AV05492	80.60	80.70	0.10			47.55	0.96	15.37	8.88	0.14	4.37	9.34	1.60	0.58	0.09		10.37	99.32	134	17	94	3	66			
AV05493	100.60	100.70	0.10			63.40	0.71	13.40	4.64	0.08	1.80	6.38	2.20	0.82	0.15		5.61	99.28	419	11	77	3	81			
AV05494	130.75	130.85	0.10			51.93	0.74	15.59	8.45	0.13	4.37	7.74	2.13	0.70	0.11		7.71	99.67	251	13	89	3	73			
AV05495	155.50	155.60	0.10			56.00	1.02	18.72	6.12	0.10	2.28	8.03	1.79	0.28	0.13		4.55	99.11	268	20	134	132	65			
AV05496	186.35	186.45	0.10			47.53	1.15	14.49	12.44	0.25	4.21	8.30	2.11	0.14	0.08		8.81	99.60	275	18	59	3	106			
AV05497	235.85	235.95	0.10			54.18	0.79	16.37	9.12	0.13	5.70	4.39	4.38	0.06	0.15		4.44	99.79	181	15	94	3	96			



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MOB26-01**

Units: METRIC

Project Name: Exploration	Location: Moberley Twp.	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -50.00
Project Number: Explor	Section:	Grid: UTM: (P)	Grid: UTM:	Grid: UTM:	Collar Az: 295.00
Claim Number: P3007052	Parent (if wedge):	North: 5397660.00	North: 5397660.00	North: 800.00	Length: 225.01
Hole Type: Exploration		East: 446165.00	East: 446165.00	East: 1425.00	Start Depth: 0.00
		Elev: 300.00	Elev: 300.00	Elev: 0.00	Final Depth: 225.01
Date Started: May 24, 2005	Collar Survey: N	Pulse EM Survey: N	Multishot Survey: N	Contractor: FORAGE ORBIT	
Date Completed: May 28, 2005	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Creek	
Date Entered: Jul 19, 2005	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: 74m	
Logged By: L. Pigeon				Hole Size: BQ	

Comments:

Directional Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
78.00	302.00	-54.10	SS	OK	
138.00	290.30	-54.10	SS	OK	
198.00		-48.00	A	DO	

L. Pigeon
For L. Pigeon



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MOB26-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 74.00	(CAS) Casing/Overburden				
74.00 TO 85.70	(2) Mafic Volcanic Rocks Fine- to medium-grained dark-green massive mafic volcanic rock. The rock is moderately chloritized and weakly carbonate-altered. A minor amount of epidote is also present. The rock contains a minor amount of calcite veinlets which also contain pyrite. Pyrite is common and accounts for ~1% of the rock. The rock is locally coarse-grained and appears to have been recrystallized likely through metamorphism.	74.00 - 85.70: (C) Coarse Grained 74.00 - 85.70: (M) Massive 74.00 - 85.70: (LXW) Leucoxene Bearing -White 74.00 - 85.70: (A) Fine Grained 74.00 - 85.70: (B) Medium Grained	75.60 - 75.75: (JTR) Joint - Regular, 30 Deg to CA 79.20 - 79.30: (JTR) Joint - Regular, 30 Deg to CA 83.90 - 84.30: (BC) Broken Core, 84.70 - 85.70: (FZ) Fault (Fault Zone), mostly BC and also a grind	74.00 - 85.70: (CC) Calcite (Calcitic Alt.), (W) Weak, (P) Pervasive 74.00 - 85.70: (CHL) Chloritization, (M) Moderate, (P) Pervasive	74.00 - 85.70: 1% (PY) Pyrite, (D) Disseminated/Blebbly
85.70 TO 90.20	(5) Sedimentary Rocks Very-fine grained chloritized mafic tuff interbedded with mineralized chert. The mafic tuff is very-fine grained and is strongly chloritized and soft. This is likely a chlonite exhalite horizon. The chert bed are thinly laminated and are dark gray to light gray. They contain laminations of pyrite and magnetite. The chert/magnetite beds can reach up to 25 cm thick. They also contain a minor amount of Po and sphalerite? The rock has undergone moderate cc alteration and strong chlorite alteration. It is cross-cut by several carbonate veinlets.	85.70 - 90.20: (BD) Bedded 85.70 - 90.20: (CH) Chert 85.70 - 90.20: (IF) Oxide Iron Formation 85.70 - 90.20: (TNL) Thinly Laminated 85.70 - 90.20: (A) Fine Grained	85.70 - 90.20: (BD) Bedding, 40 Deg to CA 87.00 - 87.30: (BC) Broken Core,	85.70 - 90.20: (CC) Calcite (Calcitic Alt.), (M) Moderate, (P) Pervasive 85.70 - 90.20: (CHL) Chloritization, (S) Strong, (P) Pervasive	85.70 - 90.20: 3% (PY) Pyrite, (B) Bedded in chert beds...rest is ~0.25% 85.70 - 90.20: 0.01% (SPH) Sphalerite, (D) Disseminated/Blebbly 85.70 - 90.20: 0.1% (PO) Pyrrhotite, (D) Disseminated/Blebbly



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MOB26-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
90.20 TO 126.15	<p>(2) Mafic Volcanic Rocks</p> <p>Medium- to coarse-grained recrystallized massive mafic volcanic rock (Tuff) interbedded with very fine-grained chlonitized strongly chlonitized mafic tuffs and thinly laminated chert horizons.</p> <p>The coarse-grained mafic volcanic rock is massive dark green and accounts for 95% of the unit. The rock contains about 1% euhedral pyrite. The rock is cross-cut by numerous low angle carbonate veinlets. Some minor shear zones are present and are highly carbonate-altered.</p> <p>The fine-grained tuff is dark green and is strongly chlonitized. It contains ~1% euhedral pyrite.</p> <p>Chert horizons are dark gray and thinly laminated with magnetite, pyrite and chlorite. The Chert/IF horizons reach up to 40 cm. Sulphides are usually hosted in the chlorite-rich beds. Pyrite and Po are the most common sulphides. A trace amount of Cp is also present.</p> <p>102.60 - 104.80</p> <p>(5) Sedimentary Rocks</p>	<p>90.20 - 126.15: (C) Coarse Grained</p> <p>90.20 - 126.15: (TNL) Thinly Laminated</p> <p>90.20 - 126.15: (IF) Oxide Iron Formation</p> <p>90.20 - 126.15: (M) Massive</p> <p>90.20 - 126.15: (B) Medium Grained</p> <p>102.60 - 104.80: (IF) Oxide Iron Formation see major rock unit for description</p>	<p>90.70 - 91.00: (FZ) Fault (Fault Zone), BC</p> <p>91.60 - 92.60: (FZ) Fault (Fault Zone), BC</p> <p>97.60 - 97.65: (FZG) Fault Zone - Gouge,</p>	<p>90.20 - 126.15: (EP) Epidotization, (W) Weak, (P) Pervasive</p> <p>90.20 - 126.15: (CHL) Chloritization, (M) Moderate, (P) Pervasive</p> <p>90.20 - 126.15: (CC) Calcite (Calcitic Alt.), (W) Weak, (P) Pervasive</p>	<p>90.20 - 126.15: 1.25% (PY) Pyrite, (D) Disseminated/Blebbly average but up to 4% in Iron formation</p> <p>90.20 - 126.15: 0.01% (CP) Chalcopyrite, (D) Disseminated/Blebbly</p> <p>90.20 - 126.15: 2% (PO) Pyrrhotite, (D) Disseminated/Blebbly</p> <p>In iron formation</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MOB26-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
126.15 TO 139.70	<p>(5) Sedimentary Rocks Banded Iron-formation unit comprised of interbedded chert, magnetite, mafic tuff and semi-massive sulphide beds.</p> <p>The chert beds are light to dark gray and reach up to 1 cm in size. They are interbedded with black magnetite beds that also reach up to 1cm thick. Bedding is at 45 degrees from core axis.</p> <p>The mafic tuff beds are fine grained and commonly display laminations. They are strongly chloritized and locally serpentinized. The mafic tuff beds usually contains about 1% Py and a minor amount of Po. The last 6 m of the unit is mostly composed of laminated mafic tuff that has undergone serpentinization.</p> <p>A few thin zones (5-10cm) are composed of semi-massive sulphides. The most common sulphide is Po, although Py is ubiquitous. Cp is also commonly present but in trace amounts. Po is also abundant (up to 5 %) in the chert/magnetite horizons.</p>	<p>126.15 - 139.70: (TNL) Thinly Laminated 126.15 - 139.70: (TUF) Tuff 126.15 - 139.70: (CH) Chert 126.15 - 139.70: (IF) Oxide Iron Formation</p>	<p>126.15 - 139.70: (BD) Bedding, 40 Deg to CA 126.80 - 127.00: (JTR) Joint - Regular, BC</p>	<p>126.15 - 139.70: (SE) Sericitization, (M) Moderate, (P) Pervasive 126.15 - 139.70: (CHL) Chloritization, (S) Strong, (P) Pervasive</p>	
139.70 TO 146.70	<p>(2) Mafic Volcanic Rocks Very fine-grained dark green strongly chloritized mafic volcanic rock.</p> <p>The rock is very soft and is basically composed of chlorite. Numerous carbonate and carbonate+quartz veins cross-cut the unit. The thickest vein is 25 cm. The rock is weakly carbonate-altered. A minor amount of pyrite is present (~0.1%).</p>	<p>139.70 - 146.70: (A) Fine Grained</p>	<p>143.00 - 143.30: (JTQC) Joint - Quartz Carbonate, qz vein</p>	<p>139.70 - 146.70: (CC) Calcite (Calcitic Alt.), (W) Weak, (P) Pervasive 139.70 - 146.70: (CHL) Chloritization, (S) Strong, (P) Pervasive rock is basically all Chlorite</p>	<p>139.70 - 146.70: 0.1% (PY) Pyrite, (D) Disseminated/Blebbly</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MOB26-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
146.70 TO 225.00	<p>(2) Mafic Volcanic Rocks</p> <p>Coarse-grained greenish gray to green massive recrystallized mafic volcanic rock or mafic intrusive.</p> <p>The rock is locally amphibole porphyritic. The amphibole is dark green and are chloritized. They are anhedral and reach up to 7 mm. The rock contains ~1% white and light pink leucoxene crystals that are usually smaller than 1mm.</p> <p>The rock has undergone pervasive chlorite alteration and also locally epidotization and carbonate alteration (light greenish gray zones).</p> <p>The rock contains ~0.50% dessiminated euhedral Py.</p> <p>The rock is coarse grained and looks like a mafic intrusive. However, no intrusive contacts were identified and the close spatial association with the sedimentary sequence likely means its a recrystallized mafic volcanic rock.</p>	<p>146.70 - 225.00: (M) Massive</p> <p>146.70 - 225.00: (LX) Leucoxene Bearing 1%</p> <p>146.70 - 225.00: (C) Coarse Grained</p>		<p>146.70 - 225.00: (CC) Calcite (Calcitic Alt.), (W) Weak, (P) Pervasive</p> <p>146.70 - 225.00: (EP) Epidotization, (W) Weak, (P) Pervasive</p> <p>146.70 - 225.00: (CHL) Chloritization, (S) Strong, (P) Pervasive</p>	<p>146.70 - 225.00: 0.5% (PY) Pyrite, (D) Disseminated/Blebbly</p>
225.00 TO 225.01	(EOH) End of Hole				



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MOB26-01**

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
AV05498	82.00	82.10	0.10			48.50	1.26	14.43	13.98	0.18	6.05	8.86	1.38	0.03	0.10		4.96	99.84	191	21	67	90	94			
AV05499	117.20	117.30	0.10			48.91	1.23	14.60	14.54	0.16	5.79	9.74	1.55	0.03	0.10		3.17	99.92	175	21	66	79	102			
AV05500	153.30	153.40	0.10			46.23	1.63	11.89	17.06	0.19	5.07	7.69	1.99	0.01	0.12		7.82	99.80	70	27	83	231	86			
AV03351	192.20	192.30	0.10			55.04	0.83	16.27	8.40	0.10	4.07	5.48	4.07	0.38	0.14		4.84	99.70	186	17	117	9	74			
AV03352	218.40	218.50	0.10			53.61	0.61	12.04	9.64	0.14	10.18	5.25	3.02	0.02	0.11		5.11	99.84	520	12	72	3	67			



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY54-01** Units: METRIC

Project Name: Exploration	Location: Byers Twp.	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -50.00
Project Number: Explor	Section:	Grid: UTM: (P)	Grid: UTM:	Grid: UTM:	Collar Az: 340.00
Claim Number: P3005510	Parent (if wedge):	North: 5393295.00	North: 5393295.00	North: 960.00	Length: 214.01
Hole Type: Exploration		East: 442527.00	East: 442527.00	East: 1450.00	Start Depth: 0.00
		Elev: 300.00	Elev: 300.00	Elev: 0.00	Final Depth: 214.01
Date Started: Jun 21, 2005	Collar Survey: N	Pulse EM Survey: N	Multishot Survey: N	Contractor: NOREX	
Date Completed: Jun 23, 2005	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Creek	
Date Entered: Sep 30, 2005	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: 30m	
Logged By: L. Pigeon				Hole Size: BQ	

Comments:

Directional Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
100.00		-52.00	A	DO	
214.00		-51.00	A	DO	

L. Pigeon
For Luc Pigeon



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY54-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 29.00	(CAS) Casing/Overburden				
29.00 TO 55.00	(2) Mafic Volcanic Rocks Fine-grained greenish gray massive mafic volcanic rock. The rock is locally plagioclase porphyritic. The plagioclase phenos are anhedral and reach up to 3 mm. Carbonate and quartz amygdules are common. They are oval shaped and reach 6 mm in size. The rock is cross-cut by a few chlorite and carbonate veinlets. The rock has undergone weak pervasive chlorite and moderate silicification. The plagioclase phenos are weakly sericitized.	29.00 - 55.00: (A) Fine Grained 29.00 - 55.00: (M) Massive 29.00 - 55.00: (FP) Feldspar Phyric locally	44.25 - 44.35: (JTQC) Joint - Quartz Carbonate.	29.00 - 55.00: (CHL) Chloritization, (W) Weak, (P) Pervasive 29.00 - 55.00: (SI) Silicification, (M) Moderate, (P) Pervasive	
55.00 TO 55.30	(5) Sedimentary Rocks Thinly laminated Iron-formation horizon comprised of dark and light gray chert interbedded with dark green chlorite. Chert laminations reach up to 1cm thick. The dark gray ones are magnetic. The chlorite laminations are thicker and reach up to 5cm. They contain about 5-6% Po and a minor amount of Cp. Cp is also associated with small quartz veinlets cross-cutting the unit.	55.00 - 55.30: (TNL) Thinly Laminated 55.00 - 55.30: (IF) Oxide Iron Formation 55.00 - 55.30: (CH) Chert	55.00 - 55.30: (BD) Bedding, 45 Deg to CA		55.00 - 55.30: 5% (PO) Pyrrhotite, (B) Bedded 55.00 - 55.30: 1% (PY) Pyrite, (D) Disseminated/Blebbly



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY54-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
55.30 TO 83.15	(2) Mafic Volcanic Rocks Fine-grained light bluish green silicified pillowed intermediate to mafic volcanic rock	55.30 - 83.15: (A) Fine Grained 55.30 - 83.15: (P) Pillowed 55.30 - 83.15: (B) Medium Grained		55.30 - 83.15: (SI) Silicification, (S) Strong, (P) Pervasive	55.30 - 83.15: 0.01% (CP) Chalcopyrite, (FV) Fracture/Veined Controlled 55.30 - 83.15: 0.02% (PY) Pyrite, (D) Disseminated/Blebbly
	The rock is very hard and has undergone pervasive silicification. Pillow margins are thick and are comprised of a light greenish gray core usually 2-4cm thick bounded on both sides by a dark green to black mica-bearing zone reaching of 1 to 3 cm. Several textures are locally present within the unit. The rock is locally medium-grained and plagioclase porphyritic. The plagioclases are yellowish gray and weakly sericitized. Some devitrification textures are also present. The rock contains carbonate and quartz amygdules that reach up to 5mm. The rock is cross-cut by a few carbonate veinlets.				
83.15 TO 86.40	(9) Felsic Intrusive Rocks Medium- to coarse-grained light bluish green massive felsic intrusive.	83.15 - 86.40: (B) Medium Grained 83.15 - 86.40: (M) Massive 83.15 - 86.40: (C) Coarse Grained		83.15 - 86.40: (S) TEMP, (S) Strong, (P) Pervasive	
	The rock contains ~15-20% black anhedral mica crystals that produce a good foliation. Mica crystals reach up to 3mm in size. The contacts with the host rock are sharp and the chill margin is very small (<1 cm).				



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **BY54-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
86.40 TO 115.20	<p>(2) Mafic Volcanic Rocks <i>Fine- to medium grained light green intermediate to mafic volcanic rock interbedded with thin dark gray horizons.</i></p> <p>The intermediate to mafic rock contains several textures. The rock is locally coarse-grained mica porphyritic (likely after amphibole) and massive. The rock is also locally fine-grained and plagioclase porphyritic. The plagioclase phenos are anhedral and reach up to 4 mm. A few zones are highly vesicular and contain up to 20% oval shaped calcite amygdules that reach up to 3mm. Smaller (~1mm) quartz amygdules are also common. Mica is a common in the unit. It is either found as anhedral phenocrysts in the fine grained rock and also near carbonate veins. It is possible that some pillows are present.</p> <p>the chert beds are dark gray and massive. They are <5cm thick.</p> <p>Po is the most common sulphide. It is mostly associated with carbonate veins or horizons? and is also disseminated in the rock near these carbonate zones.</p>	<p>86.40 - 115.20: (TUF) Tuff Likely tuff sequence 86.40 - 115.20: (M) Massive 86.40 - 115.20: (B) Medium Grained 86.40 - 115.20: (CH) Chert 86.40 - 115.20: (A) Fine Grained</p>	<p>86.40 - 115.20: (BD) Bedding, 50 Deg to CA 86.40 - 115.20: (MSF) Moderately Schistose/Foliated, 50 Deg to CA</p>	<p>86.40 - 115.20: (SI) Silicification, (M) Moderate, (P) Pervasive locally 86.40 - 115.20: (CC) Calcite (Calcitic Alt.), (M) Moderate, (P) Pervasive</p>	<p>86.40 - 115.20: 0.2% (PO) Pyrrhotite, (FV) Fracture/Veined Controlled</p>



DETAILED LOG FALCONBRIDGE LTD.

Hole Number: **BY54-01**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
115.20 TO 138.00	<p>(2) Mafic Volcanic Rocks Fine-grained chloritized mafic tuff sequence interbedded with chert and chert/magnetite (IF) beds</p> <p>The mafic tuff is fine-grained dark green and usually massive. The rock is chloritized and locally silicified. The beds can reach up to 2 m in thickness. The mafic tuff beds are locally thinly laminated with laminations varying in thickness from 1mm to 1cm. Anhedral leucoxene crystals are ubiquitous.</p> <p>The Chert and IF beds are thinly laminated and are interbedded with chloritic horizons. Both are mineralized and contain up to 6 % Po, a minor amount of Py and traces of Cp.</p> <p>115.20 - 117.90 (2) Mafic Volcanic Rocks Fine-grained dark-green chloritized mafic dyke.</p>	<p>115.20 - 138.00: (TUF) Tuff 115.20 - 138.00: (LXW) Leucoxene Bearing -White 115.20 - 138.00: (BD) Bedded 115.20 - 138.00: (A) Fine Grained 115.20 - 138.00: (CH) Chert 115.20 - 138.00: (IF) Oxide Iron Formation 115.20 - 117.90: (A) Fine Grained 115.20 - 117.90: (M) Massive 115.20 - 117.90: (B) Medium Grained</p>	<p>115.20 - 138.00: (BD) Bedding, 45 Deg to CA</p>	<p>115.20 - 138.00: (SE) Sericitization, (W) Weak, (FV) Fracture/Veined controlled 115.20 - 138.00: (CHL) Chloritization, (M) Moderate, (P) Pervasive 115.20 - 138.00: (CC) Calcite (Calcitic Alt.), (W) Weak, (P) Pervasive 115.20 - 138.00: (SI) Silicification, (M) Moderate, (P) Pervasive locally</p>	<p>115.20 - 138.00: 0.1% (PY) Pyrite, (D) Disseminated/Blebbly 115.20 - 138.00: 1% (PO) Pyrrhotite, (D) Disseminated/Blebbly Average 115.20 - 138.00: 0.01% (CP) Chalcopyrite, (D) Disseminated/Blebbly</p>
138.00 TO 214.00	<p>(2) Mafic Volcanic Rocks Medium- to coarse-grained dark green recrystallized massive mafic volcanic rock.</p> <p>The rock has locally undergone pervasive serpentinization, weak epidotization and carbonate alteration. The rock is moderately to strongly magnetic between 148.5-159m. In this zone the rock is dark green to almost black and contains ~1% Po and 0.5% magnetite.. Anhedral white leucoxene crystals are ubiquitous.</p> <p>The unit is cross-cut by carbonate veinlets, quartz veins and carbonate+quartz veins that sometimes contain sericite.</p> <p>Po is the most common sulphide. It is mostly found in the magnetic zone described above.</p>	<p>138.00 - 214.00: (M) Massive 138.00 - 214.00: (C) Coarse Grained 138.00 - 214.00: (B) Medium Grained</p>	<p>143.10 - 143.30: (JTR) Joint - Regular, 20 Deg to CA 164.00 - 164.20: (JTQC) Joint - Quartz Carbonate, QZ-VEIN 196.10 - 197.00: (JTQC) Joint - Quartz Carbonate, QZ-CARB VEIN</p>	<p>138.00 - 146.00: (SER) Serpentinization, (M) Moderate, (P) Pervasive 138.00 - 214.00: (CC) Calcite (Calcitic Alt.), (W) Weak, (P) Pervasive 138.00 - 214.00: (EP) Epidotization, (W) Weak, (P) Pervasive</p>	<p>138.00 - 214.00: 0.5% (PO) Pyrrhotite, (D) Disseminated/Blebbly locally up to 1%</p>
214.00 TO 214.01	(EOH) End of Hole				

Oct 17, 2007



**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **BY54-01**

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
AV03353	43.70	43.80	0.10			51.22	1.05	17.13	11.13	0.14	6.28	5.86	3.57	0.06	0.13		3.31	99.95	97	17	98	3	102			
AV03354	80.15	80.25	0.10			51.96	0.87	17.73	8.38	0.13	5.15	6.37	5.64	0.14	0.15		3.31	99.91	133	17	101	46	83			
AV03355	166.70	166.85	0.15			51.13	1.18	12.88	16.10	0.24	5.59	8.73	2.11	0.08	0.11		1.66	99.88	62	23	68	32	100			

