

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

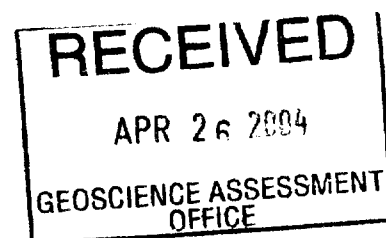
Reid & Mahaffy Townships, Timmins, Ont.
Porcupine Mining Division

NTS 42A/14

April 22nd, 2004

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Diamond Drilling Assessment Report
Reid & Mahaffy Twps., Porcupine Mining Division

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FL TIMMINS GEOLOGY - ROCK LEGEND - 2001A

1a. MAIN ROCK DIVISIONS - REGIONAL		2. TEXTURE & GEOCHEMICAL MODIFIERS	
15	Phanerozoic Sediments	A	Fine Grained
14	Huronian Supergroup	ADC	Accumulate
13	Metamorphic (Unknown)	B	Medium Grained
12	Gneiss	BD	Bedded
11	Schist	BK	Basaltic Komatiite
10	Dabase	BX	Breccia
9	Felsic Intrusive Rocks	C	Coarse Grained
8	Intermediate Intrusive Rocks	CH	Chert
7	Mafic Intrusive Rocks	CO	Block (>64mm)/Xenolith
6	Ultramafic Intrusive Rocks	DN	Dunite
5	Sedimentary Rocks	E	Amygdaloidal/Vesicular
SS	Sulphide (>40%)	EE	Autoclastic/Hyaloclastic
4	Felsic Volcanic Rocks	EV	Evolved (Y>20<60)
3	Intermediate Volcanic Rocks	F	Fragmental
3HT	Heterolithic Volcanic Rocks	FB	Flow Banded
2	Mafic Volcanic Rocks	FBX	Flow Breccia
1	Ultramafic Volcanic Rocks	FF	Feldspar (Albite) Flowers
1b. MAIN ROCK DIVISIONS - KIDD MINE		FP	Feldspar Phytic
A/D1	"Andesite/Diorite" - Type 1	GB	Gabbroic Textured
A/D2	"Andesite/Diorite" - Type 2	GPH	Graphitic/Argillaceous
A/D3	"Andesite/Diorite" - Type 3	H	Tholeiitic
A/D4	"Andesite/Diorite" - Type 4	HEV	Highly Evolved (Y>60)
AM	Amphibolite	HH	Clast Supported
BA	Black Argillite	HT	Heterolithic
BC	Black Chert	I	Alkalic
BK	Basaltic Komatiite	IF	Oxide Iron Formation
CB	Cherty Breccia	I	Mafic Supported
D	"Dolite"	IBX	In situ Breccia
G	Greywacke	J	Calc-Alkalic
MGT	Magnesium Tholeiite	JJ	Granule (grt 2-4mm)
MMF	Mixed Mafic Fragmental	K	Komatiitic
MRF	Mixed Rhyolite Fragmental	KK	Pebble (4-64mm)
MS	Massive Sulphides	LL	Cobble (64-256mm)
MSC	Massive Sulphides - Mainly CP	LSI	Lapillstone
MSSC	Massive Sulphides - Mainly CP + SPH	LTF	Lapilli Tuff
MSP	Massive Sulphides - Mainly PY	LX	Lucoosene Bearing
MSPO	Massive Sulphides - Mainly PO	LXP	Lucoosene Bearing - Pink
MSS	Massive Sulphides - Mainly SPH	LXW	Lucoosene Bearing - White
MV	Mafic Volcanic	M	Massive
PCR	Pyrite - Carbonate Rock	MM	Boulder (>256)
PK	Pyroxenite Komatiite	MSC	Mesocumulate
QFP	Quartz Feldspar Porphyry	3. STRUCTURAL TYPES	
QP	Quartz Porphyry	AUG	Augen
QV	Quartz Vein	BC	Broken Core
R	Rhyolite	BD	Bedding
S	Serpentine	BDN	Boudinage
SM	Semi-Massive Sulphides	BND	Banding
TC	Talc-Carbonate	DSK	Dicing
1c. OTHER "ROCK" DIVISIONS		FLD	Fold
CAS	Casing/Overburden	FLDB	Fold - Broad
BF	Backfill	FLDT	Fold - Tight
BT	Break Through	FV	Fractured and Veined
EOH	End Of Hole	FZ	Fault (Fault Zone)
LC	Lost Core	FZBK	Fault Zone - Breccia
NAVI	Navigational Drilling - No Core	FZG	Fault Zone - Gouge
UNK	Unknown	FZS	Fault Zone - Very Strong Schistosity
3. MINERALIZATION STYLE		GG	Gouge
B	Bedded	JOC	Joint - Quartz Carbonate
D	Disseminated/Blebs	JTR	Joint - Regular
F	Fragmental/Clasto	LCTBRK	Lower Contact - Broken
FV	Fracture/Vein controlled	LCTF	Lower Contact - Faulted
M	Massive	LCTGRD	Lower Contact - Gradational
S	Stringer	FLD	Fold
SM	Semi-massive	FLDB	Fold - Broad
STN	Stain	FLDT	Fold - Tight
MINERALIZATION TYPES		FV	Fractured and Veined
CP	Chalcopyrite	FZ	Fault (Fault Zone)
GN	Galena	FZBK	Fault Zone - Breccia
PN	Pentlandite	FZG	Fault Zone - Gouge
PO	Pyrrhotite	FZS	Fault Zone - Very Strong Schistosity
PY	Pyrite	HE	Hematization
Q	Quartz	K	Potassic Alteration
SPH	Sphalerite	KA	Kaolinitization
4. ALTERATION TYPES		RS	Rust Staining
AS	Amblyization	SE	Sericitization
B	Biotite	SER	Serpentinization
BL	Bleached/Bleaching	SI	Silicification
CA	Carbonatization	SID	Siderite (Fe-Carbonate)
CC	Calcite (Calcitic Alt.)	T	Talcoose (>+ Carbonate)
CHL	Chloritization	ALTERATION INTENSITY	
EP	Epidotization	S	Strong
F	Fuchsite	M	Moderate
GPH	Carbonaceous	W	Weak
ALTERATION STYLE		ALTERATION INTENSITY	
S	Spots	S	Strong
FV	Fracture/vein controlled	M	Moderate
P	Pervasive	W	Weak
Example: EpPW = Epidote Pervasive Weak			



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE63-02**

Units: METRIC

Project Name: Exploration	Location: Reid	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -90.00
Project Number: Explor	Section:	Grid: UTM (P)	Grid: MINE	Grid:	Collar Az: 0.00
Claim Number: P1228069	Parent (if wedge):	North: 5403837.00	North: 71680.23	North: 0.00	Length: 39.01
Hole Type: Diamond Drill		East: 459741.00	East: 51648.11	East: 0.00	Start Depth: 0.00
		Elev: 290.00	Elev: 290.00	Elev: 0.00	Final Depth: 39.01
Date Started: Apr 02, 2002	Collar Survey: Y	Pulse EM Survey: N	Multishot Survey: N	Contractor: BENOIT	
Date Completed: Apr 03, 2002	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Mine	
Date Entered: Apr 24, 2002	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: Pulled	
Logged By: David B. Stevenson				Hole Size: BQ	

Comments: Stratigraphic hole

For D. Stevenson



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE63-02**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 33.00	(CAS) Casing/Overburden				
33.00 TO 39.00	(4) Felsic Volcanic Rocks -fine grained massive medium grey rhyolite fragmental -unit consists of numerous fine grained white to medium grey monolithic rhyolite fragments in a fine grained medium grey rhyolite matrix -fragments vary in size from <3mm to up to 2cm by 1cm but generally <1cm in diameter -fragments are on average sub-angular to sub-rounded and comprise 20% of the unit -Mag. suscept.: 0.06-0.10	33.00 - 39.00: (F) Fragmental 33.00 - 39.00: (M) Massive 33.00 - 39.00: (A) Fine Grained		33.00 - 39.00: (CC) Calcite (Calclitic Alt.), (W) Weak, (FV) Fracture/Veined controlled	
39.00 TO 39.01	(EOH) End of Hole -1 BQ box				



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE63-02**

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
AV02177	33.00	36.00	3.00		70.19	0.19	13.75	3.20	0.07	0.82	3.16	2.66	2.96	0.01		2.48	99.56	145	65	280	10	65			

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-02**

Units: METRIC

WRA Information - Mixed

Sample Number	From	To	Length	Rock	CHEMID	Cd ppm	V ppm	B ppm	Be ppm	Br ppm	Ga ppm	Ge ppm	In ppm	Ir ppb	Li ppm	Rb ppm	Sr ppm	Cs ppm	Sc ppm	Hf ppm	Pt ppb	Pd ppb	Re ppb	Rh ppb	Ru ppb
AV02177	33.00	36.00	3.00				15		5											5					

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-02**

Units: METRIC

WRA Alteration Indices

Sample Number	From	To	Length	Rock	CHEMID	Al ₂ O ₃ /TiO ₂	Zr/Y	ALUM	ISHIKW	ACNK	SERICIT	Ca/Al	Zn/Na ₂ O	MgO	NUM	Ni/MgO	Cu/Zn	Co/Ni	Mineralization	Alteration	Comments
AV02177	33.00	36.00	3.00			72.37	4.31	156.61	39.37	0.81	0.48	0.23	24	0.37	24.39	13.33	0.25				

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-03**

Units: METRIC

Project Name: Exploration	Location: Reid	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -90.00
Project Number: Explor	Section:	Grid: UTM (P)	Grid: MINE	Grid:	Collar Az: 0.00
Claim Number: P1228069	Parent (if wedge):	North: 5403581.00	North: 71436.58	North: 0.00	Length: 29.01
Hole Type: Diamond Drill		East: 459731.00	East: 51727.32	East: 0.00	Start Depth: 0.00
		Elev: 290.00	Elev: 290.00	Elev: 0.00	Final Depth: 29.01
Date Started: Apr 03, 2002	Collar Survey: Y	Pulse EM Survey: N	Multishot Survey: N	Contractor: BENOIT	
Date Completed: Apr 03, 2002	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Mine	
Date Entered: Apr 24, 2002	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: Pulled	
Logged By: David B. Stevenson				Hole Size: BQ	
Comments: Stratigraphic hole					

For D. Stevenson



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number **RE63-03**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 23.00	(CAS) Casing/Overburden				
23.00 TO 29.00	(2) Mafic Volcanic Rocks -very fine grained massive dark green mafic flow -unit is cross cut by thin (<2cm) haphazard white quartz-calcite-epidote veins and veinlets at times containing large irregular clots (3cm by 2cm) of massive pyrrhotite with lesser pyrite and chalcopyrite -Mag. suscept.: 0.26-5.35	23.00 - 29.00: (M) Massive 23.00 - 29.00: (A) Fine Grained		23.00 - 29.00: (CC) Calcite (Calcitic Alt.), (M) Moderate, (FV) Fracture/Veined controlled	23.00 - 29.00: 2% (PO) Pyrrhotite, (FV) Fracture/Veined Controlled 23.00 - 29.00: 0.5% (PY) Pyrite, (FV) Fracture/Veined Controlled 23.00 - 29.00: 0.5% (CP) Chalcopyrite, (FV) Fracture/Veined Controlled
29.00 TO 29.01	(EOH) End of Hole -1 BQ box				

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-03**

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
AV02178	23.00	26.00	3.00		45.89	1.36	15.32	12.55	0.25	5.99	9.38	2.49	0.16	0.11		5.01	98.63	195	30	90	120	80			

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-03**

Units: METRIC

WRA Information - Mixed

Sample Number	From	To	Length	Rock	CHEMID	Cd ppm	V ppm	B ppm	Be ppm	Br ppm	Ga ppm	Ge ppm	In ppm	Ir ppb	Li ppm	Rb ppm	Sr ppm	Cs ppm	Sc ppm	Hf ppm	Pt ppb	Pd ppb	Re ppb	Rh ppb	Ru ppb
AV02178	23.00	26.00	3.00				470		10										60						

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-03**

Units: METRIC

WRA Alteration Indices

Sample Number	From	To	Length	Rock	CHEMID	Al ₂ O ₃ /TiO ₂	Zr/Y	ALUM	ISHIKW	ACNK	SERICIT	Ca/Al	Zn/Na ₂ O	MgO	NUM	Ni/MgO	Cu/Zn	Co/Ni	Mineralization	Alteration	Comments
AV02178	23.00	26.00	3.00			11.26	3.00	127.35	34.13	0.53	0.02	0.61	32	0.53	15.86	60.00	1.00				

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-04**

Units: METRIC

Project Name: Exploration	Location: Reid	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -90.00
Project Number: Explor	Section:	Grid: UTM (P)	Grid: MINE	Grid:	Collar Az: 0.00
Claim Number: P1228069	Parent (if wedge):	North: 5404030.00	North: 71866.84	North: 0.00	Length: 33.01
Hole Type: Diamond Drill		East: 459757.00	East: 51596.33	East: 0.00	Start Depth: 0.00
		Elev: 290.00	Elev: 290.00	Elev: 0.00	Final Depth: 33.01
Date Started: Apr 03, 2002	Collar Survey: Y	Pulse EM Survey: N	Multishot Survey: N	Contractor: BENOIT	
Date Completed: Apr 04, 2002	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Mine	
Date Entered: Apr 24, 2002	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: Pulled	
Logged By: David B. Stevenson				Hole Size: BQ	

Comments: Stratigraphic hole

D. Stevenson
For D. Stevenson



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE63-04**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 27.00	(CAS) Casing/Overburden				
27.00 TO 33.00	<p>(4) Felsic Volcanic Rocks</p> <p>-fine grained massive medium grey feldspar phyrlic? rhyolite fragmental</p> <p>-unit consists of numerous fine grained white to medium grey monolithic rhyolite fragments or feldspar phenocrysts in a fine grained medium grey rhyolite matrix</p> <p>-fragments (or phenocrysts) are uniform in size (<1-3mm), rounded to lath shaped and comprise <5% of the unit</p> <p>-many of these fragments (phenocrysts) have a light to medium grey siliceous halo</p> <p>-there is the occasional fine grained dark green mafic fragment</p> <p>-the mafic fragments are rounded, <4mm in diameter and comprise <1% of the unit</p> <p>-Mag. suscept.: 0.04-0.05</p>	<p>27.00 - 33.00: (M) Massive</p> <p>27.00 - 33.00: (F) Fragmental</p> <p>27.00 - 33.00: (FP) Feldspar Phyrlic</p> <p>27.00 - 33.00: (A) Fine Grained</p>		27.00 - 33.00: (SI) Silicification, (W) Weak, (P) Pervasive	
33.00 TO 33.01	<p>(EOH) End of Hole</p> <p>-1 BQ box</p>				



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE63-04**

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
AV02179	27.00	30.00	3.00		74.20	0.17	13.49	2.16	0.06	1.29	1.09	5.46	0.65	-0.01		1.11	99.73	170	65	250	-5	85			

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-04**

Units: METRIC

WRA Information - Mixed

Sample Number	From	To	Length	Rock	CHEMID	Cd ppm	V ppm	B ppm	Be ppm	Br ppm	Ga ppm	Ge ppm	In ppm	Ir ppb	Li ppm	Rb ppm	Sr ppm	Cs ppm	Sc ppm	Hf ppm	Pt ppb	Pd ppb	Re ppb	Rh ppb	Ru ppb
AV02179	27.00	30.00	3.00				15		5										5						

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-04**

Units: METRIC

WRA Alteration Indices

Sample Number	From	To	Length	Rock	CHEMID	Al ₂ O ₃ /TiO ₂	Zr/Y	ALUM	ISHIKW	ACNK	SERICIT	Ca/Al	Zn/Na ₂ O	MgO	NUM	Ni/MgO	CuZn	Co/Ni	Mineralization	Alteration	Comments
AV02179	27.00	30.00	3.00			79.35	3.85	187.36	22.85	1.16	0.37	0.08	16	0.58	19.38	-6.25	0.40				

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DETAILED LOG FALCONBRIDGE LTD.

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Hole Number: **RE63-05**

Units: METRIC

Project Name: Exploration	Location: Reid	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -90.00
Project Number: Explor	Section:	Grid: UTM (P)	Grid: MINE	Grid:	Collar Az: 0.00
Claim Number: P987328	Parent (if wedge):	North: 5404239.00	North: 72062.23	North: 0.00	Length: 33.01
Hole Type: Diamond Drill		East: 459755.00	East: 51522.13	East: 0.00	Start Depth: 0.00
		Elev: 290.00	Elev: 290.00	Elev: 0.00	Final Depth: 33.01
Date Started: Apr 04, 2002	Collar Survey: Y	Pulse EM Survey: N	Multishot Survey: N	Contractor: BENOIT	
Date Completed: Apr 04, 2002	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Mine	
Date Entered: Apr 24, 2002	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: Pulled	
Logged By: David B. Stevenson				Hole Size: BQ	

Comments: Stratigraphic hole

For D. Stevenson



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE63-05**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 27.00	(CAS) Casing/Overburden				
27.00 TO 33.00	(10) Diabase -medium grained massive dark grey-black diabase -ophitic texture and grain size is uniform throughout -unit host the occasional <0.5-1 cm rounded clots of white-green epidote -massive, no visible fracturing or veining present -Mag. suscept.: 15.8-16.5	27.00 - 33.00: (M) Massive 27.00 - 33.00: (OP) Ophitic 27.00 - 33.00: (B) Medium Grained			
33.00 TO 33.01	(EOH) End of Hole -1 BQ box				



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE63-05**

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	MineralizationAlterationComments
AV02180	27.00	30.00	3.00		49.05	1.43	14.72	14.08	0.21	5.52	9.35	2.53	0.94	0.13		1.21	99.31	145	35	120	200	155	

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-05**

Units: METRIC

WRA Information - Mixed

Sample Number	From	To	Length	Rock	CHEMID	Cd ppm	V ppm	B ppm	Be ppm	Br ppm	Ga ppm	Ge ppm	In ppm	Ir ppb	Li ppm	Rb ppm	Sr ppm	Cs ppm	Sc ppm	Hf ppm	Pt ppb	Pd ppb	Re ppb	Rh ppb	Ru ppb
AV02180	27.00	30.00	3.00				460		10										50						

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-05**

Units: METRIC

WRA Alteration Indices

Sample Number	From	To	Length	Rock	CHEMID	Al ₂ O ₃ /TiO ₂	Zr/Y	ALUM	ISHIKW	ACNK	SERICIT	Ca/Al	Zn/Na ₂ O	MgO	NUM	Ni/MgO	CuZn	Co/Ni	Mineralization	Alteration	Comments
AV02180	27.00	30.00	3.00			10.29	3.43	114.82	35.22	0.49	0.09	0.64	61	0.48	16.30	56.34	0.83				

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DETAILED LOG FALCONBRIDGE LTD.

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Hole Number: **RE63-06**

Units: METRIC

Project Name: Exploration	Location: Reid	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -90.00
Project Number: Explor	Section:	Grid: UTM (P)	Grid: MINE	Grid:	Collar Az: 0.00
Claim Number: P987328	Parent (if wedge):	North: 5404435.00	North: 72251.31	North: 0.00	Length: 36.01
Hole Type: Diamond Drill		East: 459770.00	East: 51468.37	East: 0.00	Start Depth: 0.00
		Elev: 290.00	Elev: 290.00	Elev: 0.00	Final Depth: 36.01
Date Started: Apr 05, 2002	Collar Survey: Y	Pulse EM Survey: N	Multishot Survey: N	Contractor: BENOIT	
Date Completed: Apr 05, 2002	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Mine	
Date Entered: Apr 24, 2002	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: Pulled	
Logged By: David B. Stevenson				Hole Size: BQ	

Comments: Stratigraphic hole

D. B. Stevenson
For D. Stevenson



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE63-06**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 30.00	(CAS) Casing/Overburden				
30.00 TO 36.00	<p>(4) Felsic Volcanic Rocks</p> <p>-fine grained massive light whitish-grey quartz-phyric rhyolite flow</p> <p>-quartz phenocrysts are uniformly distributed throughout the unit, comprise <15% of the unit, are rounded and generally 1mm in diameter</p> <p>-unit is weakly fractured and oxidized with minor haphazard thin (<3mm) white quartz-calcite veins and veinlets</p> <p>-Mag. suscept.: 0.01-0.11</p>	<p>30.00 - 36.00: (M) Massive</p> <p>30.00 - 36.00: (QP) Quartz Phyric/Porphyr</p> <p>30.00 - 36.00: (A) Fine Grained</p>		<p>30.00 - 36.00: (RS) Rust Staining, (W) Weak, (FV) Fracture/Veined controlled</p> <p>30.00 - 36.00: (SE) Sericitization, (W) Weak, (P) Pervasive</p> <p>30.00 - 36.00: (SI) Silicification, (W) Weak, (P) Pervasive</p> <p>30.00 - 36.00: (CC) Calcite (Calcitic Alt.), (W) Weak, (FV) Fracture/Veined controlled</p>	<p>30.00 - 36.00: 0.5% (PY) Pyrite, (FV) Fracture/Veined Controlled</p>
36.00 TO 36.01	<p>(EOH) End of Hole</p> <p>-1 BQ box</p>				

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DETAILED LOG
FALCONBRIDGE LTD.

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Hole Number: **RE63-06**

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
AV02181	33.00	36.00	3.00		71.98	0.22	15.29	1.82	0.03	0.31	0.77	4.05	3.50	0.01		1.68	99.73	135	60	340	15	155			

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-06**

Units: METRIC

WRA Information - Mixed

Sample Number	From	To	Length	Rock	CHEMID	Cd ppm	V ppm	B ppm	Be ppm	Br ppm	Ga ppm	Ge ppm	In ppm	Ir ppb	Li ppm	Rb ppm	Sr ppm	Cs ppm	Sc ppm	Hf ppm	Pt ppb	Pd ppb	Re ppb	Rh ppb	Ru ppb
AV02181	33.00	36.00	3.00				10		5											10					

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-06**

Units: METRIC

WRA Alteration Indices

Sample Number	From	To	Length	Rock	CHEMID	Al ₂ O ₃ /TiO ₂	Zr/Y	ALUM	ISHIKW	ACNK	SERICIT	Co/Al	Zn/Na ₂ O	MgO	NUM	Ni/MgO	CuZn	Co/Ni	Mineralization	Alteration	Comments
AV02181	33.00	36.00	3.00			69.50	5.67	183.77	44.15	1.15	0.82	0.05	38	0.28	48.39	8.82	0.33				

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-07**

Units: METRIC

Project Name: Exploration	Location: Reid	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -90.00
Project Number: Explor	Section:	Grid: UTM (P)	Grid: MINE	Grid:	Collar Az: 0.00
Claim Number: P987328	Parent (if wedge):	North: 5404230.00	North: 71980.77	North: 0.00	Length: 31.01
Hole Type: Diamond Drill		East: 459544.00	East: 51327.28	East: 0.00	Start Depth: 0.00
		Elev: 290.00	Elev: 290.00	Elev: 0.00	Final Depth: 31.01
Date Started: Apr 05, 2002	Collar Survey: Y	Pulse EM Survey: N	Multishot Survey: N	Contractor: BENOIT	
Date Completed: Apr 05, 2002	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Mine	
Date Entered: Apr 24, 2002	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: Pulled	
Logged By: David B. Stevenson				Hole Size: BQ	

Comments: Stratigraphic hole

For D. Stevenson



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE63-07**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 25.00	(CAS) Casing/Overburden				
25.00 TO 31.00	(4) Felsic Volcanic Rocks -fine grained massive light yellow quartz-phyric rhyolite flow -quartz phenocrysts are uniformly distributed throughout the unit, comprise <15% of the unit, are rounded and generally 1mm in diameter -unit is weak to moderately fractured and oxidized with minor haphazard thin (<3mm) white quartz-calcite veins and veinlets -many of the haphazard hairline fractures appear to be coated by chlorite and/or black carbonaceous material -Mag. suscept.: 0.02-0.07	25.00 - 31.00: (M) Massive 25.00 - 31.00: (QP) Quartz Phyric/Porphyry 25.00 - 31.00: (A) Fine Grained		25.00 - 31.00: (SI) Silicification, (M) Moderate, (P) Pervasive 25.00 - 31.00: (SE) Sericitization, (S) Strong, (P) Pervasive	25.00 - 31.00: 0.5% (PY) Pyrite, (FV) Fracture/Veined Controlled
31.00 TO 31.01	(EOH) End of Hole -1 BQ box				



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE63-07**

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
AV02182	27.00	30.00	3.00		69.83	0.20	14.50	1.36	0.05	0.23	1.49	0.59	9.29	0.01		1.83	99.44	250	45	330	10	35			

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-07**

Units: METRIC

WRA Information - Mixed

Sample Number	From	To	Length	Rock	CHEMID	Cd ppm	V ppm	B ppm	Be ppm	Br ppm	Ga ppm	Ge ppm	In ppm	Ir ppb	Li ppm	Rb ppm	Sr ppm	Cs ppm	Sc ppm	Hf ppm	Pt ppb	Pd ppb	Re ppb	Rh ppb	Ru ppb	
AV02182	27.00	30.00	3.00				10		5											10						

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-07**

Units: METRIC

WRA Alteration Indices

Sample Number	From	To	Length	Rock	CHEMID	Al ₂ O ₃ /TiO ₂	Zr/Y	ALUM	ISHIKW	ACNK	SERICIT	Ca/Al	Zn/Na ₂ O	MgO	NUM	Ni/MgO	CuZn	Co/Ni	MineralizationAlterationComments
AV02182	27.00	30.00	3.00			72.50	7.33	127.53	82.07	0.74	0.86	0.10	59	0.28	86.96	22.22	0.25		

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-08**

Units: METRIC

Project Name: Exploration	Location: Reid	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -90.00
Project Number: Explor	Section:	Grid: UTM (P)	Grid: MINE	Grid:	Collar Az: 0.00
Claim Number: P987327	Parent (if wedge):	North: 5404608.00	North: 72407.39	North: 0.00	Length: 38.01
Hole Type: Diamond Drill		East: 459752.00	East: 51391.62	East: 0.00	Start Depth: 0.00
		Elev: 290.00	Elev: 290.00	Elev: 0.00	Final Depth: 38.01
Date Started: Apr 06, 2002	Collar Survey: Y	Pulse EM Survey: N	Multishot Survey: N	Contractor: BENOIT	
Date Completed: Apr 06, 2002	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Mine	
Date Entered: Apr 24, 2002	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: Pulled	
Logged By: David B. Stevenson				Hole Size: BQ	

Comments: Stratigraphic hole

D. Stevenson
For D. Stevenson



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE63-08**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 32.00	(CAS) Casing/Overburden				
32.00 TO 38.00	<p>(4) Felsic Volcanic Rocks</p> <p>-fine grained massive light yellow-grey to rust-colored quartz-phyric rhyolite flow</p> <p>-quartz phenocrysts are uniformly distributed throughout the unit, comprise <15% of the unit, are rounded and generally 1mm in diameter</p> <p>-unit is weak to moderately fractured with many of the fractures and wide intervals oxidized (rust stained)</p> <p>-minor haphazard thin (<3mm) white quartz-calcite veins and veinlets</p> <p>36.15-36.35 Fault zone/gouge</p> <p>-Mag. suscept.: 0.00-0.05</p>	<p>32.00 - 38.00: (M) Massive</p> <p>32.00 - 38.00: (QP) Quartz Phyric/Porphyr</p> <p>32.00 - 38.00: (A) Fine Grained</p>		<p>32.00 - 38.00: (SI) Silicification, (W) Weak, (P) Pervasive</p> <p>32.00 - 38.00: (CC) Calcite (Calcitic Alt.), (W) Weak, (FV) Fracture/Veined controlled</p> <p>32.00 - 38.00: (RS) Rust Staining, (M) Moderate, (P) Pervasive</p> <p>32.00 - 38.00: (SE) Sericification, (W) Weak, (P) Pervasive</p>	<p>32.00 - 38.00: 1% (PY) Pyrite, (FV) Fracture/Veined Controlled</p>
38.00 TO 38.01	(EOH) End of Hole -1 BQ box				



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE63-08**

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
AV02183	33.00	36.00	3.00		72.43	0.20	13.96	1.82	0.02	0.88	0.74	3.26	3.16	-0.01	0.20	2.00	98.54	170	50	310	5	70			

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-08**

Units: METRIC

WRA Information - Mixed

Sample Number	From	To	Length	Rock	CHEMID	Cd ppm	V ppm	B ppm	Be ppm	Br ppm	Ga ppm	Ge ppm	In ppm	Ir ppb	Li ppm	Rb ppm	Sr ppm	Cs ppm	Sc ppm	Hf ppm	Pt ppb	Pd ppb	Re ppb	Rh ppb	Ru ppb	
AV02183	33.00	36.00	3.00				10		5											10						

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-08**

Units: METRIC

WRA Alteration Indices

Sample Number	From	To	Length	Rock	CHEMID	Al ₂ O ₃ /TiO ₂	Zr/Y	ALUM	ISHIKW	ACNK	SERICIT	Ca/Al	Zn/Na ₂ O	MgO	NUM	Ni/MgO	Cu/Zn	Co/Ni	Mineralization	Alteration	Comments
AV02183	33.00	36.00	3.00			69.80	6.20	194.97	50.25	1.21	0.81	0.05	21	0.53	17.05	6.67	0.33				

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-09**

Units: METRIC

Project Name: Exploration	Location: Reid	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -90.00
Project Number: Explor	Section:	Grid: UTM (P)	Grid: MINE	Grid:	Collar Az: 0.00
Claim Number: P987327	Parent (if wedge):	North: 5404856.00	North: 72675.02	North: 0.00	Length: 41.01
Hole Type: Diamond Drill		East: 459853.00	East: 51400.55	East: 0.00	Start Depth: 0.00
		Elev: 290.00	Elev: 290.00	Elev: 0.00	Final Depth: 41.01
Date Started: Apr 06, 2002	Collar Survey: Y	Pulse EM Survey: N	Multishot Survey: N	Contractor: BENOIT	
Date Completed: Apr 06, 2002	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Mine	
Date Entered: Apr 24, 2002	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: Pulled	
Logged By: David B. Stevenson				Hole Size: BQ	

Comments: Stratigraphic hole

D. Stevenson
For D. Stevenson



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **RE63-09**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 35.00	(CAS) Casing/Overburden				
35.00 TO 41.00	<p>(4) Felsic Volcanic Rocks</p> <p>-fine grained massive to weakly fractured medium grey quartz-feldspar phyric rhyolite flow</p> <p>-grey quartz phenocrysts comprise <5% of the unit, are rounded and <1-2mm in diameter</p> <p>-white feldspar phenocrysts comprise <2% of the unit, are sub-rounded to lath-shaped and <1-2mm in diameter</p> <p>-unit also contains numerous <0.01 to 1mm specks to clots of very fine grained dark green chlorite? which gives the unit a green ting</p> <p>-chlorite specks/clots comprise 5-10% of the unit and are generally pervasive throughout the unit</p> <p>-fracture surfaces are either oxidized or coated with chlorite</p> <p>-unit is periodically cut by thin to thick (<1cm to 3cm) white quartz-calcite-chlorite veins and veinlets trending 70 deg TCA</p> <p>-Mag. suscept.: 0.03-6.41</p>	<p>35.00 - 41.00: (M) Massive</p> <p>35.00 - 41.00: (QFP) Quartz-Feldspar Phyric/Porphyr</p> <p>35.00 - 41.00: (A) Fine Grained</p>		<p>35.00 - 41.00: (SI) Silicification, (W) Weak, (P) Pervasive</p> <p>35.00 - 41.00: (SE) Sericitization, (W) Weak, (FV) Fracture/Veined controlled</p> <p>35.00 - 41.00: (RS) Rust Staining, (W) Weak, (FV) Fracture/Veined controlled</p> <p>35.00 - 41.00: (CHL) Chloritization, (M) Moderate, (S) Spots/Mealy</p> <p>35.00 - 41.00: (CC) Calcite (Calclitic Alt.), (W) Weak, (FV) Fracture/Veined controlled</p>	<p>35.00 - 41.00: 0.5% (PY) Pyrite, (D) Disseminated/Blebbly</p> <p>35.00 - 41.00: 1% (PY) Pyrite, (FV) Fracture/Veined Controlled</p> <p>-Mag. suscept.: 0.03-0.21</p> <p>39.00 - 41.00: 1% (MAG) Magnetite, (D) Disseminated/Blebbly</p> <p>-Mag. suscept.: 2.37-6.41</p>
41.00 TO 41.01	(EOH) End of Hole -1 BQ box				

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-09**

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	Y	Zr	Cu	Zn	Mineralization	Alteration	Comments
						%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm			
AV02184	38.00	41.00	3.00			68.64	0.20	14.60	3.89	0.04	0.87	1.43	3.93	2.80	0.03		2.73	99.23	120	65	320	-5	-5			

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-09**

Units: METRIC

WRA Information - Mixed

Sample Number	From	To	Length	Rock	CHEMID	Cd ppm	V ppm	B ppm	Be ppm	Br ppm	Ga ppm	Ge ppm	In ppm	Ir ppb	Li ppm	Rb ppm	Sr ppm	Cs ppm	Sc ppm	Hf ppm	Pt ppb	Pd ppb	Re ppb	Rh ppb	Ru ppb
AV02184	38.00	41.00	3.00				15		5											10					

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**DETAILED LOG
FALCONBRIDGE LTD.**

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Hole Number: **RE63-09**

Units: METRIC

WRA Alteration Indices

Sample Number	From	To	Length	Rock	CHEMID	Al ₂ O ₃ /TiO ₂	Zr/Y	ALUM	ISHIKW	ACNK	SERICIT	Ca/Al	Zn/Na ₂ O	MgO	NUM	Ni/MgO	CuZn	Co/Ni	Mineralization	Alteration	Comments
AV02184	38.00	41.00	3.00			73.00	4.92	178.92	40.64	1.06	0.66	0.10	-1	0.34	22.99	50.00	0.25				

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DETAILED LOG FALCONBRIDGE LTD.

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Hole Number: **MF12-30**

Units: METRIC

Project Name: Exploration	Location: Mahaffy	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -50.00
Project Number: Explor	Section:	Grid: UTM (P)	Grid: MINE	Grid:	Collar Az: 180.00
Claim Number: P987344	Parent (if wedge):	North: 5406520.00	North: 73885.65	North: 0.00	Length: 300.01
Hole Type: Diamond Drill		East: 458840.00	East: 49874.30	East: 0.00	Start Depth: 0.00
		Elev: 290.00	Elev: 290.00	Elev: 0.00	Final Depth: 300.01
Date Started: Mar 30, 2002	Collar Survey: Y	Pulse EM Survey: Y	Multishot Survey: N	Contractor: BENOIT	
Date Completed: Apr 04, 2002	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Mine	
Date Entered: Apr 04, 2002	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: 35m BW left in hole	
Logged By: David B. Stevenson				Hole Size: BQ	

Comments:

Directional Data

Depth	Azimuth Declmal	Dip Declmal	Test Type	Flag	Comments
60.00	192.00	-48.00	SS	OK	
120.00	211.00	-43.00	SS	OK	
180.00	211.00	-37.00	SS	OK	
240.00	211.00	-33.50	SS	OK	
300.00	209.00	-30.00	SS	OK	

DeBuz
For D. Stevenson



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF12-30**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 35.00	(CAS) Casing/Overburden				
35.00 TO 35.28	(2) Mafic Volcanic Rocks -fine grained dark green massive tuffaceous mafic volcanic	35.00 - 35.28: (TUF) Tuff 35.00 - 35.28: (A) Fine Grained 35.00 - 35.28: (M) Massive	35.00 - 35.28: (WSF) Weakly Schistose/Foliated, 45 Deg to CA 35.00 - 35.28: (LCTBRK) Lower Contact - Broken,	35.00 - 35.28: (CHL) Chloritization, (W) Weak, (P) Pervasive	
35.28 TO 63.00	(4) Felsic Volcanic Rocks -fine grained massive to locally fragmental white to light grey quartz-phyric rhyolite volcanic 51.93 - 52.70 (2) Mafic Volcanic Rocks -fine grained massive medium green mafic tuff	35.28 - 63.00: (A) Fine Grained 35.28 - 63.00: (F) Fragmental 35.28 - 63.00: (M) Massive 35.28 - 63.00: (GP) Quartz Phyric/Porphyry 51.93 - 52.70: (M) Massive 51.93 - 52.70: (TUF) Tuff 51.93 - 52.70: (A) Fine Grained	35.28 - 63.00: (BD) Bedding, 45 Deg to CA 51.93 - 52.70: (LCTSHP) Lower Contact - Sharp, 45 Deg to CA -upper and lower contacts sharp		35.28 - 63.00: 1% (PY) Pyrite, (D) Disseminated/Blebby -trace amounts of pyrite locally -mag. suscept.: 0.21-4.19 51.93 - 52.70: 3% (MAG) Magnetite, (D) Disseminated/Blebby -locally moderately magnetic -Mag. suscept.: 0.52-2.41
63.00 TO 74.78	(4) Felsic Volcanic Rocks -transitional unit between fine grained massive light grey rhyolite and mafic fragmental -interval consists of rhyolite matrix with >25% mafic fragments -mafic fragments are elliptical, angular and <<1.5cm by <<0.5cm -there are occasional <5-10cm intervals of fine grained massive dark green mafic volcanic resulting in an alternating (banded) texture	63.00 - 74.78: (M) Massive 63.00 - 74.78: (WW) fragmental (felsic>mafic) 63.00 - 74.78: (F) Fragmental 63.00 - 74.78: (HT) Heterolithic 63.00 - 74.78: (A) Fine Grained	63.00 - 74.78: (BD) Bedding, 45 Deg to CA		63.00 - 74.78: 1% (PY) Pyrite, (D) Disseminated/Blebby -trace amounts of pyrite locally -Mag. suscept.: 0.63-9.61
74.78 TO 81.55	(2) Mafic Volcanic Rocks -the matrix has changed from being rhyolitic to a fine grained massive dark green feldspar-phyric mafic volcanic -there are felsic (<25%) and mafic (>25%) fragments -the felsic fragments are salmon-pink colored and also feldspar-phyric -both mafic and felsic fragments are angular, elliptical and commonly range in size from <0.5cm by <3mm to >1.5cm by <1cm	74.78 - 81.55: (A) Fine Grained 74.78 - 81.55: (XX) fragmental (mafic>felsic) 74.78 - 81.55: (F) Fragmental 74.78 - 81.55: (FP) Feldspar Phyric 74.78 - 81.55: (HT) Heterolithic	74.78 - 81.55: (LCTGRD) Lower Contact - Gradational, 74.78 - 81.55: (BD) Bedding, 55 Deg to CA -fragments preferentially aligned at 55 deg TCA	74.78 - 81.55: (CHL) Chloritization, (W) Weak, (P) Pervasive	74.78 - 81.55: 3% (MAG) Magnetite, (D) Disseminated/Blebby Mag. suscept.: 9.56-16.2



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF12-30**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
81.55 TO 171.40	<p>(4) Felsic Volcanic Rocks -fine grained massive to insitu-brecciated light grey to white rhyolite fragmental -unit consists of alternating intervals of massive rhyolite and fragmental rhyolite -fragment size is highly variable from <0.5cm to >5cm by <1.5cm -fragments are elliptical with rounded ends -some felsic fragments are salmon-pink colored (<<5%) -at times there can be 5-10% light grey quartz phenocryst present over meter intervals -quartz phenocrysts are rounded, angular and elliptical and range in size from <2mm to up to 5mm in diameter -some intervals contain 5-10% to locally semi-massive pyrite</p> <p>105.00 - 109.00</p> <p>(4) Felsic Volcanic Rocks -interval is highly fractured containing abundant irregular white quartz-albite veins trending 40-80 deg TCA</p> <p>127.00 - 136.95</p> <p>(4) Felsic Volcanic Rocks -weakly mineralized interval</p> <p>136.95 - 148.15</p> <p>(4) Felsic Volcanic Rocks -overall there is significantly more (<5%) fragmental to fracture controlled pyrite in this section than the previous -locally there can be semi-massive pyrite occurring over 25cm intervals -pyrite fragments have angular to rounded edges and are <1.5cm in size</p> <p>144.25-144.66 Massive white bull quartz vein. Upper contact sharp at 75 deg TCA with a 1cm seam of massive pyrite. Lower contact sharp but highly irregular.</p> <p>148.15 - 158.15</p> <p>(4) Felsic Volcanic Rocks -interval is more massive than fragmental and as a result the pyrite content has decreased</p>	<p>81.55 - 171.40: (QP) Quartz Phyric/Porphyry</p> <p>81.55 - 171.40: (A) Fine Grained</p> <p>81.55 - 171.40: (M) Massive</p> <p>81.55 - 171.40: (IBX) Insitu Breccia</p>	<p>81.55 - 171.40: (LCTSHP) Lower Contact - Sharp, 50 Deg to CA</p> <p>81.55 - 171.40: (BD) Bedding, 55 Deg to CA -fragments are preferentially aligned at 55 deg TCA</p> <p>105.00 - 109.00: (FV) Fractured and Veined, 60 Deg to CA -irregular white quartz-albite veining trending 45 to 80 deg TCA -trace to 1% pyrrhotite and pyrite</p>	<p>81.55 - 171.40: (SE) Sericitization, (W) Weak, (P) Pervasive</p> <p>-locally weak pervasive sericite to non-altered</p> <p>105.00 - 109.00: (SE) Sericitization, (M) Moderate, (P) Pervasive</p> <p>127.00 - 136.95: (SE) Sericitization, (W) Weak, (P) Pervasive</p> <p>136.95 - 148.15: (SE) Sericitization, (W) Weak, (P) Pervasive</p> <p>-weak pervasive to fracture controlled sericite</p> <p>136.95 - 148.15: (SE) Sericitization, (W) Weak, (FV) Fracture/Veined controlled</p>	<p>81.55 - 171.40: 2% (MAG) Magnetite, (D) Disseminated/Blebbly</p> <p>-Mag. suscept: 0.17-5.35</p> <p>81.55 - 171.40: 3% (PY) Pyrite, (F) Fragmental</p> <p>-pyrite content varies considerably throughout the unit but it varies from <1 to <5%, and locally there is semi-massive pyrite over narrow intervals</p> <p>105.00 - 109.00: 1% (PY) Pyrite, (FV) Fracture/Veined Controlled</p> <p>105.00 - 109.00: 1% (PC) Pyrrhotite, (FV) Fracture/Veined Controlled</p> <p>127.00 - 136.95: 2% (PY) Pyrite, (F) Fragmental</p> <p>-this interval overall contains <2% fragmental and fracture controlled-type pyrite however there are narrow (<20cm) sections where the pyrite content increases to up to 5%</p> <p>136.95 - 144.25: 5% (PY) Pyrite, (F) Fragmental</p> <p>136.95 - 144.25: 5% (PY) Pyrite, (FV) Fracture/Veined Controlled</p> <p>148.15 - 158.15: 3% (PY) Pyrite, (FV) Fracture/Veined Controlled</p> <p>148.15 - 158.15: 3% (PY) Pyrite, (F) Fragmental</p> <p>-pyrite content varies from <1 to <5% and averages <3%</p> <p>158.15 - 171.40: 5% (PY) Pyrite, (FV) Fracture/Veined Controlled</p> <p>158.15 - 171.40: 5% (PY) Pyrite, (F) Fragmental</p> <p>-pyrite content varies from <1 to locally 7% and averages <5% -pyrite occurs as fracture to vein controlled to rounded fragments</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF12-30**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
	158.15 - 171.40 (4) Felsic Volcanic Rocks -pyrite content is slightly higher than in the previous section -interval is more fragmental				
171.40 TO 231.78	(2) Mafic Volcanic Rocks -fine grained massive grey-green intermediate to mafic flow -there are frequent rounded to sub-angular to elliptical fine grained massive white to salmon-colored rhyolite fragments present throughout the unit as well as mafic fragments -the rhyolite fragments comprise <10% of the unit and are typically <1cm to <5cm by <1cm in size -the mafic fragments can comprise <10-25% of the unit locally, where the unit is not massive -locally there are <1m intervals of numerous small (<<1cm) elliptical mafic fragments in a whitish calcite-rich matrix that may represent strong insitu-brecciation, flow breccia or hyaloclastite material -unit is periodically cut by thin (<1cm) haphazard white quartz-calcite veins and veinlets 171.40 - 174.60 (2) Mafic Volcanic Rocks -this sections may be more intermediate in composition as it consists of numerous angular mafic fragments in a matrix of felsic to intermediate composition -the matrix includes 5-10% fracture-controlled and fragmental pyrite 225.00 - 231.78 (2) Mafic Volcanic Rocks -interval is moderate to strongly sheared to locally brecciated	171.40 - 213.78: (A) Fine Grained 171.40 - 231.78: (FBX) Flow Breccia 171.40 - 231.78: (M) Massive 171.40 - 231.78: (IBX) Insitu Breccia 171.40 - 174.60: (F) Fragmental 171.40 - 174.60: (A) Fine Grained	171.40 - 231.78: (LCTSHP) Lower Contact - Sharp, 55 Deg to CA 171.40 - 174.60: (LCTGRD) Lower Contact - Gradational, 0 Deg to CA 225.00 - 231.78: (MSF) Moderately Schistose/Foliated, 55 Deg to CA -interval is moderate to strongly sheared to brecciated	171.40 - 231.78: (CHL) Chloritization, (W) Weak, (P) Pervasive 171.40 - 231.78: (CC) Calcite (Calcitic Alt.), (W) Weak, (FV) Fracture/Veined controlled	171.40 - 231.78: 1% (PY) Pyrite, (FV) Fracture/Veined Controlled -Mag. suscept.: 0.09-0.92 171.40 - 174.60: 7% (PY) Pyrite, (F) Fragmental 171.40 - 174.60: 7% (PY) Pyrite, (FV) Fracture/Veined Controlled -pyrite content ranges from 5-10% and averages 7%



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF12-30**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
231.78 TO 262.35	<p>(4) Felsic Volcanic Rocks -fine grained massive to strongly fractured light grey-white to yellow-white quartz-phyric rhyolite to rhyolite fragmental -interval consists of alternating massive and fragmental sections -rhyolite fragments are highly variable in size ranging from <0.5cm to 4cm by <1cm, they can be rounded to elliptical with angular or rounded edges -the matrix is a quartz-phyric rhyolite 234.00 - 238.80</p> <p>(4) Felsic Volcanic Rocks -interval is strongly sheared and contorted with abundant irregular (anastomosing) white quartz-chlorite-calcite veins and veinlets paralleling and cross-cutting the shear direction -upper and lower contacts gradational 245.20 - 248.30</p> <p>(4) Felsic Volcanic Rocks -fine grained massive to weakly fractured moderately sericitic rhyolite volcanic -this unit is unusual as it is moderately sericitic while surrounding rhyolite is not -no quartz phenocrysts are present -upper and lower contact abruptly gradational 256.28 - 260.45</p> <p>(4) Felsic Volcanic Rocks -fine grained massive light grey-white non-sericitic rhyolite fragmental with abundant fragmental and fracture-controlled pyrite -pyrite fragments are generally <1cm in diameter, rounded to angular -some pyrite fragments have secondary (coarser) pyrite growth developed on their edges 260.45 - 262.35</p> <p>(4) Felsic Volcanic Rocks -fine grained massive to weakly in situ-brecciated white to light grey rhyolite volcanic</p>	<p>231.78 - 262.35: (A) Fine Grained 231.78 - 262.35: (F) Fragmental 231.78 - 262.35: (M) Massive 231.78 - 262.35: (QP) Quartz Phyric/Porphyry 245.20 - 248.30: (M) Massive</p>	<p>231.78 - 262.35: (LCTSHP) Lower Contact - Sharp, 60 Deg to CA 234.00 - 238.80: (FV) Fractured and Veined, 55 Deg to CA 234.00 - 238.80: (SSF) Strongly Schistose/Foliated, 55 Deg to CA 234.00 - 238.80: (LCTGRD) Lower Contact - Gradational, 245.20 - 248.30: (FV) Fractured and Veined, 50 Deg to CA -locally thin to thick (<1cm to 25cm) white barren quartz-calcite veins paralleling and cross-cutting the schistosity 256.28 - 260.45: (FV) Fractured and Veined, 70 Deg to CA -fracturing and veining tends to parallel preferred rhyolite fragment orientation of 70 deg TCA 256.28 - 260.45: (LCTSHP) Lower Contact - Sharp, 60 Deg to CA -upper contact sharp but irregular -lower contact sharp at 60 deg TCA 260.45 - 262.35: (LCTSHP) Lower Contact - Sharp, 60 Deg to CA</p>	<p>231.78 - 262.35: (SE) Sericitization, (W) Weak, (FV) Fracture/Veined controlled 231.78 - 262.35: (SE) Sericitization, (M) Moderate, (P) Pervasive -locally weak to moderate pervasive to fracture controlled sericite 234.00 - 238.80: (SI) Silicification, (W) Weak, (P) Pervasive 234.00 - 238.80: (SE) Sericitization, (M) Moderate, (P) Pervasive 245.20 - 248.30: (SE) Sericitization, (M) Moderate, (P) Pervasive</p>	<p>231.78 - 262.35: 3% (PY) Pyrite, (F) Fragmental -locally up to 5% fragmental to fracture controlled pyrite -pyrite fragments are generally <1.5cm in diameter and can be rounded to angular 231.78 - 262.35: 3% (PY) Pyrite, (FV) Fracture/Veined Controlled -Mag. suscept.: 0.05-0.19 256.28 - 260.45: 2% (PY) Pyrite, (F) Fragmental 256.28 - 260.45: 1% (PY) Pyrite, (FV) Fracture/Veined Controlled 256.28 - 260.45: 2% (PY) Pyrite, (D) Disseminated/Blebbly 260.45 - 262.35: 1% (PY) Pyrite, (D) Disseminated/Blebbly</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF12-30**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
262.35 TO 300.00	(2) Mafic Volcanic Rocks -fine grained massive to weakly schistose dark green-grey mixed mafic fragmental -unit consists of <25% light grey-white rhyolite fragments. >25% mafic fragments in a fine grained massive to locally brecciated mafic matrix -rhyolite fragments are generally elliptical, 1cm to 3cm by 1.5cm in size (large), with rounded to sub-rounded ends -unit is periodically cut by anastomosing thin (<<1cm) white quartz-calcite veinlets	262.35 - 300.00: (XX) fragmental (mafic>felsic) 262.35 - 300.00: (A) Fine Grained 262.35 - 300.00: (F) Fragmental 262.35 - 300.00: (HT) Heterolithic	262.35 - 300.00: (BD) Bedding, 65 Deg to CA -fragments are preferentially aligned at 65 deg TCA	262.35 - 300.00: (CHL) Chloritization, (W) Weak, (P) Pervasive	262.35 - 300.00: 1% (PY) Pyrite, (FV) Fracture/Veined Controlled -Mag. suscept.: 0.12-0.24 293.00 - 300.00: 2% (MAG) Magnetite, (D) Disseminated/Blebbly -Mag. suscept.: 0.62-5.58
300.00 TO 300.01	(EOH) End of Hole -47 BQ core boxes				



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF12-30**

Units: METRIC

Assay Information - Exploration

Sample Number	Type	From	To	Length	Ag ppm	Cu gpt	Zn gpt	Pb gpt	Au ppb	Ni gpt	Co gpt	S gpt	S %	Cd gpt	Pd ppb	Pt ppb	Os ppb	Sn gpt	Se gpt	In gpt	Bi gpt	Mineralization	Alteration	Rock	Comments
AV00901	ASSAY	136.95	138.45	1.50	0	17	85	1	5	14												PY		4	1%
AV00902	ASSAY	141.00	142.50	1.50	1	37	165	2	24	39												PY		4	2%
AV00903	ASSAY	142.50	144.00	1.50	0	17	134	1	17	23												PY		4	2%
AV00904	ASSAY	144.00	145.50	1.50	1	59	78	2	33	29												PY		4	5%
AV00905	ASSAY	145.50	147.00	1.50	0	15	119	1	3	26												PY		4	5%
AV00906	ASSAY	158.15	159.65	1.50	0	16	197	1	9	30												PY		4	2%
AV00907	ASSAY	159.65	161.15	1.50	0	18	107	1	3	19												PY		4	2%
AV00908	ASSAY	168.40	169.90	1.50	0	13	76	2	2	14												PY		4	5%
AV00909	ASSAY	169.90	171.40	1.50	0	14	183	1	3	26												PY		4	5%
AV00910	ASSAY	171.40	172.90	1.50	0	13	323	3	3	44												PY		2	5%
AV00911	ASSAY	235.50	237.00	1.50	0	4	121	2	-2	8												PY		4	nil
AV00912	ASSAY	256.28	257.78	1.50	0	19	127	5	-2	39												PY		4	5%
AV00913	ASSAY	257.78	259.10	1.32	0	16	69	1	3	17												PY		4	5%



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF12-30**

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
AV02151	39.00	42.00	3.00	4	50.89	1.10	15.33	7.97	0.21	2.23	5.99	3.16	0.88	0.25	0.02	11.66	99.79	30	148	5	96				
AV02152	66.00	69.00	3.00	MRF	52.71	1.16	16.20	8.06	0.19	2.13	5.35	2.77	1.10	0.31	0.02	9.60	99.70	33	149	5	98				
AV02153	75.00	78.00	3.00	MMF	53.71	1.17	17.22	7.58	0.12	1.93	4.55	4.28	1.15	0.36	0.04	7.31	99.53	35	178	5	129				
AV02154	87.00	90.00	3.00	4	55.33	1.09	15.91	6.54	0.13	1.78	5.01	2.68	1.37	0.40	0.03	9.27	99.63	36	165	13	65				
AV02155	120.00	123.00	3.00	4	62.58	0.93	14.32	6.10	0.16	0.99	3.23	2.93	1.19	0.30	0.04	6.98	99.84	34	205	13	76				
AV02156	165.00	168.00	3.00	4	56.05	1.05	15.36	7.16	0.13	2.97	4.87	1.26	2.20	0.17	0.03	8.41	99.78	29	132	30	92				
AV02157	174.00	177.00	3.00	2	56.46	1.11	16.56	7.69	0.19	1.79	4.86	3.94	1.02	0.39	0.01	5.68	99.78	38	176	5	147				
AV02158	189.00	192.00	3.00	2	57.43	1.12	16.58	6.42	0.18	1.49	5.43	4.25	0.97	0.33	0.03	5.37	99.69	35	174	4	90				
AV02159	213.00	216.00	3.00	2	57.43	1.14	16.97	6.78	0.17	1.34	4.72	3.36	1.48	0.46	0.01	5.70	99.66	41	188	4	90				
AV02160	240.00	243.00	3.00	4	67.24	0.58	13.71	3.62	0.11	1.39	3.28	0.67	2.92	0.06	0.06	5.67	99.44	47	181	8	58				
AV02161	270.00	273.00	3.00	2	56.67	1.10	16.13	6.79	0.15	1.63	5.40	4.70	0.84	0.34	0.03	5.53	99.40	39	185	4	93				
AV02162	297.00	300.00	3.00	2	53.67	1.12	16.60	10.20	0.20	2.38	4.69	3.95	1.04	0.34	0.02	5.52	99.84	43	191	3	143				



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF12-30**

Units: METRIC

WRA Information - Pathfinders

Sample Number	From	To	Length	Rock	CHEMID	CO2 %	S %	S ppm	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Co ppm	Ag gpt	Au ppb	Mn ppm	As ppm	Sb ppm	Hg ppb	W ppm	Mo ppm	Tl ppm	Ba ppm	Bi ppm	Sn ppm	Se ppm	F ppm
AV02151	39.00	42.00	3.00	4					5	96	1	7	19		14		2	0	-10	0	2	-0	193	1	-1	-0	300
AV02152	66.00	69.00	3.00	MRF					5	98	1	4	15		4		1	-0	-10	-0	1	-0	252	0	-1	0	400
AV02153	75.00	78.00	3.00	MMF					5	129	1	7	19		2		2	-0	-10	1	1	-0	221	0	-1	0	300
AV02154	87.00	90.00	3.00	4					13	65	1	3	14		12		1	0	-10	0	3	-0	202	0	-1	-0	400
AV02155	120.00	123.00	3.00	4					13	76	1	10	18		3		18	1	-10	1	1	-0	201	0	-1	-0	400
AV02156	165.00	168.00	3.00	4					30	92	2	36	35		1		28	1	10	0	1	0	409	0	-1	0	600
AV02157	174.00	177.00	3.00	2					5	147	1	10	27		1		9	0	10	-0	1	-0	174	0	-1	0	400
AV02158	189.00	192.00	3.00	2					4	90	1	6	18		2		2	0	-10	-0	0	-0	203	0	-1	-0	400
AV02159	213.00	216.00	3.00	2					4	90	1	6	16		1		1	-0	-10	-0	1	-0	275	1	1	0	500
AV02160	240.00	243.00	3.00	4					8	58	2	9	14		1		14	0	10	3	1	-0	533	0	2	-0	600
AV02161	270.00	273.00	3.00	2					4	93	1	8	19		2		2	0	-10	0	1	-0	241	0	1	-0	400
AV02162	297.00	300.00	3.00	2					3	143	1	6	22		1		1	-0	-10	-0	1	-0	188	0	1	0	500



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF12-30**

Units: METRIC

WRA Information - Mixed

Sample Number	From	To	Length	Rock	CHEMID	Cd ppm	V ppm	B ppm	Be ppm	Br ppm	Ga ppm	Ge ppm	In ppm	Ir ppb	Li ppm	Rb ppm	Sr ppm	Cs ppm	Sc ppm	Hf ppm	Pt ppb	Pd ppb	Re ppb	Rh ppb	Ru ppb
AV02151	39.00	42.00	3.00	4		0	64				21					26	318	2		4					
AV02152	66.00	69.00	3.00	MRF		0	66				22					34	272	2		4					
AV02153	75.00	78.00	3.00	MMF		0	41				21					33	264	2		5					
AV02154	87.00	90.00	3.00	4		0	36				20					34	293	2		5					
AV02155	120.00	123.00	3.00	4		-0	47				20					29	165	1		6					
AV02156	165.00	168.00	3.00	4		0	146				20					64	177	3		4					
AV02157	174.00	177.00	3.00	2		0	39				21					28	192	1		5					
AV02158	189.00	192.00	3.00	2		0	38				22					27	256	1		5					
AV02159	213.00	216.00	3.00	2		0	42				23					45	230	2		5					
AV02160	240.00	243.00	3.00	4		0	32				19					75	145	3		5					
AV02161	270.00	273.00	3.00	2		0	43				22					27	301	2		5					
AV02162	297.00	300.00	3.00	2		0	42				23					26	181	1		6					



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF12-30**

Units: METRIC

WRA Information - Traces/REE

Sample Number	From	To	Length Rock	CHEMID	Ta ppm	Th ppm	U ppm	Nb ppm	Y ppm	Zr ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	34S pmil	18O pmil
AV02151	39.00	42.00	3.00 4		1	2	1	7	30	148	24	55	7	30	7	2	5	1	5	1	3	0	3	1		
AV02152	66.00	69.00	3.00 MRF		1	2	1	7	33	149	25	59	8	32	7	2	6	1	6	1	3	1	3	1		
AV02153	75.00	78.00	3.00 MMF		1	2	0	8	35	178	27	61	8	35	7	2	6	1	6	1	3	1	4	1		
AV02154	87.00	90.00	3.00 4		1	2	1	7	36	165	27	63	8	34	7	2	6	1	6	1	4	1	3	1		
AV02155	120.00	123.00	3.00 4		1	3	1	8	34	205	23	48	6	25	6	2	5	1	5	1	3	1	3	1		
AV02156	165.00	168.00	3.00 4		1	2	1	6	29	132	20	45	6	24	5	1	4	1	4	1	3	0	3	0		
AV02157	174.00	177.00	3.00 2		1	2	1	8	38	176	28	63	8	35	7	2	6	1	6	1	4	1	4	1		
AV02158	189.00	192.00	3.00 2		1	2	0	8	35	174	28	62	8	33	7	2	6	1	6	1	3	1	4	1		
AV02159	213.00	216.00	3.00 2		1	2	0	8	41	188	28	63	8	34	7	2	7	1	6	1	4	1	4	1		
AV02160	240.00	243.00	3.00 4		1	3	1	8	47	181	33	70	9	34	7	1	6	1	7	2	4	1	4	1		
AV02161	270.00	273.00	3.00 2		1	2	1	8	39	185	30	67	8	35	7	2	7	1	6	1	4	1	4	1		
AV02162	297.00	300.00	3.00 2		1	2	1	9	43	191	31	70	9	38	8	2	7	1	7	1	4	1	4	1		



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF12-30**

Units: METRIC

WRA Alteration Indices

Sample Number	From	To	Length	Rock	CHEMID	Al ₂ O ₃ /TiO ₂	Zr/Y	ALUM	ISHIKW	ACNK	SERICIT	Ca/Al	Zn/Na ₂ O	MgO	NUM	Ni/MgO	CuZn	Co/Ni	MineralizationAlterationComments
AV02151	39.00	42.00	3.00	4		13.94	4.89	152.84	25.37	0.70	0.13	0.39	30	0.39	2.91	4.86	2.89		
AV02152	66.00	69.00	3.00	MRF		13.97	4.51	175.70	28.46	0.81	0.17	0.33	35	0.38	1.74	4.58	3.95		
AV02153	75.00	78.00	3.00	MMF		14.72	5.08	172.55	25.86	0.86	0.20	0.26	30	0.37	3.47	3.66	2.88		
AV02154	87.00	90.00	3.00	4		14.60	4.56	175.61	29.06	0.82	0.21	0.31	24	0.39	1.40	16.56	5.48		
AV02155	120.00	123.00	3.00	4		15.40	6.00	194.83	26.14	0.97	0.27	0.23	26	0.27	9.70	14.61	1.90		
AV02156	165.00	168.00	3.00	4		14.63	4.52	184.39	45.75	0.84	0.31	0.32	73	0.49	12.26	24.47	0.95		
AV02157	174.00	177.00	3.00	2		14.92	4.63	168.64	24.20	0.82	0.17	0.29	37	0.35	5.42	3.10	2.76		
AV02158	189.00	192.00	3.00	2		14.80	4.92	155.68	20.26	0.75	0.15	0.33	21	0.35	4.23	4.46	2.83		
AV02159	213.00	216.00	3.00	2		14.89	4.57	177.51	25.87	0.86	0.24	0.28	27	0.32	4.63	4.26	2.55		
AV02160	240.00	243.00	3.00	4		23.64	3.82	199.56	52.18	0.95	0.47	0.24	87	0.47	6.12	12.52	1.61		
AV02161	270.00	273.00	3.00	2		14.66	4.75	147.44	19.65	0.72	0.13	0.33	20	0.36	4.66	4.12	2.47		
AV02162	297.00	300.00	3.00	2		14.82	4.48	171.49	28.36	0.84	0.18	0.28	36	0.35	2.31	2.32	4.00		

Jul 10, 2003



**DETAILED LOG
FALCONBRIDGE LTD.**

Page 1 of 15

Hole Number: **MF13-07**

Units: METRIC

Project Name: Exploration	Location: Mahaffy	Primary Coordinates	Destination Coordinates	Alternate Coordinates	Collar Dip: -50.00
Project Number: Explor	Section: 100	Grid: UTM (P)	Grid: MINE	Grid:	Collar Az: 180.00
Claim Number: P987335	Parent (if wedge):	North: 5406520.00	North: 74595.07	North: 0.00	Length: 291.01
Hole Type: Diamond Drill		East: 460890.00	East: 51797.63	East: 0.00	Start Depth: 0.00
		Elev: 290.00	Elev: 290.00	Elev: 0.00	Final Depth: 291.01
Date Started: Apr 04, 2002	Collar Survey: Y	Pulse EM Survey: Y	Multishot Survey: N	Contractor: BENOIT	
Date Completed: Apr 09, 2002	Making Water: N	Plugged: N	Is Cemented: N	Core Storage: Kidd Mine	
Date Entered: Apr 15, 2002	Gas Intersected: N	Object In Hole: N	Verified: N	Casing: 85m BW left in hole	
Logged By: David B. Stevenson				Hole Size: BQ	

Comments:

Directional Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
90.00	187.00	-50.50	SS	OK	
150.00	191.00	-49.00	SS	OK	
210.00	191.00	-47.00	SS	OK	
270.00			SS	DO	Bad reading
290.00	197.00	-43.50	SS	OK	

De Bors
For D. Stevenson



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF13-07**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
0.00 TO 85.00	(CAS) Casing/Overburden				
85.00 TO 91.16	(2) Mafic Volcanic Rocks -fine grained massive to locally weakly brecciated to fractured dark green amygdaloidal mafic flow -amygdules comprise <<5% of the unit, are rounded to elliptical to box-like (feldspar phenocrysts replaced by quartz-calcite?) <1mm in diameter and in-filled with white quartz-calcite -unit is frequently cut by irregular, thin (<2cm) white quartz-calcite veins trending 60 deg TCA -the pore spaces of the fractured and brecciated zones are in-filled with white quartz-calcite -unit lower contact sharp but highly irregular	85.00 - 91.16: (E) Amygdaloidal/Vesicular 85.00 - 91.16: (IBX) In situ Breccia 85.00 - 91.16: (A) Fine Grained	85.00 - 91.16: (LCTSHP) Lower Contact - Sharp. -very irregular lower contact 85.00 - 91.16: (FV) Fractured and Veined. -unit is cut by irregular, thin (<2cm) white quartz-calcite veins and veinlets	85.00 - 91.16: (CC) Calcite (Calcitic Alt.), (W) Weak, (FV) Fracture/Veined controlled 85.00 - 91.16: (CC) Calcite (Calcitic Alt.), (M) Moderate, (S) Spots/Mealy	85.00 - 91.16: 1% (PY) Pyrite, (D) Disseminated/Blebbly -Mag. suscept.: 0.37-19.9
91.16 TO 96.20	(4) Felsic Volcanic Rocks -fine grained massive to weakly fractured light grey rhyolite flow -where unit is weakly fractured calcite is noted to coat fracture surfaces -unit has a weak banded texture (flow banding?) which trends 30 deg TCA -banding is characterized by thinly alternating dark grey to light grey bands -unit lower contact sharp at 45 deg TCA	91.16 - 96.20: (FB) Flow Banded 91.16 - 96.20: (M) Massive 91.16 - 96.20: (A) Fine Grained	91.16 - 96.20: (LCTSHP) Lower Contact - Sharp. 91.16 - 96.20: (BND) Banding.	91.16 - 96.20: (CC) Calcite (Calcitic Alt.), (W) Weak, (FV) Fracture/Veined controlled	91.16 - 96.20: 1% (PY) Pyrite, (FV) Fracture/Veined Controlled -Mag. suscept.: 0.07-0.19



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF13-07**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
96.20 TO 108.83	<p>(2) Mafic Volcanic Rocks -fine grained massive to locally strongly sheared dark green feldspar-phyric mafic flow -feldspar phenocrysts (they do not react to acid) comprise <<10% of the unit, are rounded to elliptical to box-like and <1-2mm in diameter -unit is periodically cut by anastomosing thin (<1cm) white quartz-calcite veinlets -unit lower contact sharp at 55 deg TCA 106.60 - 108.83</p> <p>(2) Mafic Volcanic Rocks -interval is moderate to strongly sheared with more irregular white quartz-calcite veins and veinlets -at times the shear direction is parallelling the core axis -an abundance of white feldspar phenocrysts are also preferentially aligned and enhancing the resulting wavy texture</p>	<p>96.20 - 108.83: (A) Fine Grained 96.20 - 108.83: (M) Massive 96.20 - 108.83: (FP) Feldspar Phyric flow</p>	<p>96.20 - 108.83: (LCTSHP) Lower Contact - Sharp. 106.60 - 108.83: (MSF) Moderately Schistose/Foliated.</p>		<p>96.20 - 108.83: 0.5% (PY) Pyrite, (D) Disseminated/Blebbly 96.20 - 108.83: 0.5% (PY) Pyrite, (FV) Fracture/Veined Controlled -Mag. suscept.: 0.32-0.36</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF13-07**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
108.83 TO 183.72	<p>(4) Felsic Volcanic Rocks -fine grained massive to locally weak to moderately fractured to locally strongly insitu-brecciated dark grey to light grey-yellow rhyolite flow -unit is weak to moderately sericitic -in fractured zones are cross-cut by abundant thin (<3mm) light grey quartz veinlets trending 20 and 80 deg TCA -unit lower contact sharp at 50 deg TCA 108.83 - 118.63</p> <p>(4) Felsic Volcanic Rocks -interval is massive to strongly insitu-brecciated and weakly sericitic, however, the insitu-brecciation may be the result of a combination of fracturing and alteration as many of the "fragments" have diffuse edges -upper and lower contacts are gradational 118.63 - 123.73</p> <p>(4) Felsic Volcanic Rocks -fine grained massive to weakly fractured to insitu-brecciated medium grey rhyolite volcanic -unit is non to only locally very weakly sericitic -unit lower contact gradational 123.73 - 170.96</p> <p>(4) Felsic Volcanic Rocks -fine grained massive to moderately fractured to insitu-brecciated light grey to yellow-grey rhyolite volcanic -locally the unit contains abundant (20-30/m) very thin (<<0.5cm) white-grey quartz veinlets that trend from 40-80 deg TCA -at times, as from 140.08-140.24, the quartz veining is thicker and contains several 1-2cm fragments of potassically altered rhyolite -unit lower contact sharp at 55 deg TCA</p>	<p>108.83 - 183.72: (M) Massive 108.83 - 183.72: (IBX) Insitu Breccia 108.83 - 183.72: (A) Fine Grained 108.83 - 118.63: (IBX) Insitu Breccia 108.83 - 118.63: (A) Fine Grained 118.63 - 123.73: (M) Massive 118.63 - 123.73: (A) Fine Grained 123.73 - 170.96: (M) Massive 123.73 - 170.96: (IBX) Insitu Breccia 123.73 - 170.96: (A) Fine Grained 170.96 - 174.10: (WW) fragmental (felsic>mafic) 170.96 - 174.10: (FP) Feldspar Phyrlic 170.96 - 174.10: (A) Fine Grained 170.96 - 174.10: (F) Fragmental 170.96 - 174.10: (HT) Heterolithic 174.10 - 183.72: (A) Fine Grained 174.10 - 183.72: (IBX) Insitu Breccia</p>	<p>108.83 - 183.72: (LCTSHP) Lower Contact - Sharp. 108.83 - 183.72: (FV) Fractured and Veined, -two cross-cutting vein directions evident and trend at 80 to 20 deg TCA 108.83 - 118.63: (FV) Fractured and Veined, -periodic thin (<1cm) barren white quartz-albite veining present and trending 50 deg TCA 118.63 - 123.73: (FV) Fractured and Veined, -rare thin (<1cm) barren white quartz veining 170.96 - 174.10: (LCTBRK) Lower Contact - Broken.</p>	<p>108.83 - 183.72: (SE) Sericitization, (M) Moderate, (P) Pervasive 108.83 - 118.63: (SE) Sericitization, (W) Weak, (FV) Fracture/Veined controlled 108.83 - 118.63: (SE) Sericitization, (W) Weak, (P) Pervasive 170.96 - 174.10: (SE) Sericitization, (W) Weak, (P) Pervasive</p>	<p>108.83 - 183.72: 0.5% (PY) Pyrite, (FV) Fracture/Veined Controlled -Mag. suscept.: 0.00-0.23 and averaging <0.08 108.83 - 118.63: 0.5% (PY) Pyrite, (D) Disseminated/Blebbly 170.96 - 174.10: 0.5% (PY) Pyrite, (D) Disseminated/Blebbly 174.10 - 183.72: 0.5% (PY) Pyrite, (FV) Fracture/Veined Controlled</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF13-07**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
	<p>170.96 - 174.10 (4) Felsic Volcanic Rocks -fine to medium grained massive to weakly schistose light to medium grey heterolithic feldspar-phyric? rhyolite fragmental -unit consists cream to grey to whitish colored rhyolite fragments that range in size from <0.5cm to 5cm by 4cm and several black lenticular-platy carbonaceous? fragments within a matrix of fine to medium grained massive to "grainy" light grey feldspar-phyric? rhyolite -many of the rhyolite fragments are rounded to sub-rounded while the carbonaceous fragments are angular -the fragments are preferentially aligned at 55 deg TCA -white feldspar phenocrysts? are irregular in shape, <<1-2mm and found speckled throughout the unit -unit lower contact broken</p> <p>174.10 - 183.72 (4) Felsic Volcanic Rocks -fine grained massive to weakly insitu-brecciated medium to dark grey rhyolite volcanic -unit is periodically cut by thin (<1cm) barren white quartz veining trending 40-60 deg TCA</p> <p>181.88-182.15 Fine grained massive to weakly schistose dark green mafic dyke? -dyke contains abundant thin (<1cm) white quartz-albite veining trending parallel to the schistosity at 70 deg TCA -unit lower contact sharp at 50 deg TCA</p>				
183.72 TO 208.10	<p>(2) Mafic Volcanic Rocks -fine grained massive to weakly schistose dark green mafic tuff -unit is frequently cut by thin (<1mm-1cm) white quartz-calcite-epidote veinlets that parallel the schistosity at 40-60 deg TCA -unit lower contact sharp at 40 deg TCA</p>	<p>183.72 - 193.34: (TUF) Tuff 183.72 - 193.34: (A) Fine Grained 183.72 - 193.34: (M) Massive</p>	<p>183.72 - 208.10: (LCTSHP) Lower Contact - Sharp.</p>	<p>183.72 - 193.34: (CC) Calcite (Calcitic Alt.), (M) Moderate, (FV) Fracture/Veined controlled</p>	<p>183.72 - 208.10: 0.5% (PY) Pyrite, (FV) Fracture/Veined Controlled -Mag. suscept.: 0.18-0.34</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF13-07**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
208.10 TO 217.78	<p>(4) Felsic Volcanic Rocks</p> <p>-fine grained massive yellow-grey to dark grey rhyolite fragmental to flow breccia -unit consists of small to large (<3mm to >5cm by 3cm) white to grey quartz-phyric rhyolite fragments in a weak to moderately sericitic to strongly silicified matrix of finer grained rhyolite fragments</p> <p>-rhyolite fragments can be angular to rounded and are preferentially aligned at 45 deg TCA</p> <p>-unit is periodically cut by thin to thick (<0.5cm to 2-4cm) irregular anastomosing white quartz-albite veins that may contain up to 1-2% fine fracture controlled red-brown sphalerite and <1% fracture controlled chalcopyrite</p> <p>-unit lower contact sharp at 55 deg TCA</p>	<p>208.10 - 217.78: (FBX) Flow Breccia</p> <p>208.10 - 217.78: (M) Massive</p> <p>208.10 - 217.78: (F) Fragmental</p> <p>208.10 - 217.78: (A) Fine Grained</p>	<p>208.10 - 217.78: (LCTSHP) Lower Contact - Sharp,</p> <p>208.10 - 217.78: (FV) Fractured and Veined,</p> <p>-white quartz-albite veining can be anastomosing to trending 40-60 deg TCA</p>	<p>208.10 - 217.78: (SI) Silicification, (S) Strong, (P) Pervasive</p> <p>208.10 - 217.78: (SE) Sericitization, (M) Moderate, (P) Pervasive</p>	<p>208.10 - 217.78: 1% (SPH) Sphalerite, (FV) Fracture/Veined Controlled</p> <p>-locally there is 1-2% sphalerite but generally <1%</p> <p>208.10 - 217.78: 1% (PY) Pyrite, (FV) Fracture/Veined Controlled</p> <p>-Mag. suscept.: 0.04-0.17</p> <p>208.10 - 217.78: 0.5% (CP) Chalcopyrite, (FV) Fracture/Veined Controlled</p> <p>-chalcopyrite is rarely seen</p>
217.78 TO 220.12	<p>(3) Intermediate Volcanic Rocks</p> <p>-fine grained massive to weakly fractured to instu-brecciated light grey-green felsic to intermediate fragmental to flow breccia -unit consists of whitish to light grey-green rhyolite fragments in a light grey tuffaceous rhyolite matrix</p> <p>-dark green chlorite and/or mafic volcanic are coating the fracture planes and form part of the matrix between rhyolite fragments</p> <p>-rhyolite fragments are massive, angular and vary in size from <0.5cm to up to 3cm by 1cm</p> <p>217.78-218.00 2-3% fracture controlled red-brown sphalerite</p> <p>-unit lower contact sharp at 50 deg TCA</p>	<p>217.78 - 220.12: (FBX) Flow Breccia</p> <p>217.78 - 220.12: (A) Fine Grained</p> <p>217.78 - 220.12: (F) Fragmental</p>	<p>217.78 - 220.12: (LCTSHP) Lower Contact - Sharp,</p>	<p>217.78 - 220.12: (CHL) Chloritization, (W) Weak, (FV) Fracture/Veined controlled</p>	<p>217.78 - 218.00: 2% (SPH) Sphalerite, (FV) Fracture/Veined Controlled</p> <p>-2-3% fracture controlled sphalerite</p> <p>217.78 - 218.00: 0.5% (PY) Pyrite, (FV) Fracture/Veined Controlled</p> <p>-Mag. suscept.: 0.08-0.10</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF13-07**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
220.12 TO 220.74	(2) Mafic Volcanic Rocks -fine grained massive to weakly schistose dark grey-black mafic heterolithic fragmental -unit consists of a matrix of fine grained dark grey mafic volcanic to mafic fragmental with numerous angular, platy white feldspar-phyric rhyolite and dark grey-black mafic fragments -rhyolite fragments comprise <10% of the unit -fragments are generally <0.5-1cm in size to up to 3cm by 1cm -fragments are preferentially aligned at 45 deg TCA -unit lower contact gradational at 55 deg TCA	220.12 - 220.74: (XX) fragmental (mafic>felsic) 220.12 - 220.74: (A) Fine Grained 220.12 - 220.74: (HT) Heterolithic 220.12 - 220.74: (FP) Feldspar Phyric 220.12 - 220.74: (F) Fragmental	220.12 - 220.74: (LCTGRD) Lower Contact - Gradational.		220.12 - 220.74: 0.5% (PY) Pyrite, (FV) Fracture/Veined Controlled -Mag. suscept.: 0.35-0.37
220.74 TO 221.10	(4) Felsic Volcanic Rocks -fine grained massive light grey weakly sericitic rhyolite fragmental to flow breccia -unit consist of light grey rhyolite fragments in a light grey to dark grey rhyolite matrix -fragments are elliptical with rounded to angular ends and vary in size from <0.5cm to up to >3cm by <1cm -fragments are preferentially aligned at 55 deg TCA -unit lower contact sharp at 50 deg TCA	220.74 - 221.10: (F) Fragmental 220.74 - 221.10: (M) Massive 220.74 - 221.10: (A) Fine Grained 220.74 - 221.10: (FBX) Flow Breccia	220.74 - 221.10: (LCTSHP) Lower Contact - Sharp.	220.74 - 221.10: (SE) Sericitization, (W) Weak, (P) Pervasive	220.74 - 221.10: 0.5% (PY) Pyrite, (FV) Fracture/Veined Controlled -Mag. suscept.: 0.08-0.09
221.10 TO 221.50	(2) Mafic Volcanic Rocks -fine grained massive to weakly schistose dark grey-black mafic heterolithic fragmental -as in 220.12-220.74 -unit consists of a matrix of fine grained dark grey mafic volcanic to mafic fragmental with numerous angular, platy white feldspar-phyric rhyolite and dark grey-black mafic fragments -rhyolite fragments comprise <10% of the unit -fragments are generally <0.5-1cm in size to up to 3cm by 1cm -fragments are preferentially aligned at 45 deg TCA -unit lower contact gradational at 55 deg TCA	221.10 - 221.50: (HT) Heterolithic 221.10 - 221.50: (FP) Feldspar Phyric 221.10 - 221.50: (A) Fine Grained 221.10 - 221.50: (F) Fragmental 221.10 - 221.50: (XX) fragmental (mafic>felsic)	221.10 - 221.23: (FZG) Fault Zone - Gouge, 221.10 - 221.50: (LCTSHP) Lower Contact - Sharp.	221.10 - 221.50: (SE) Sericitization, (W) Weak, (P) Pervasive	221.10 - 221.50: 0.5% (PY) Pyrite, (FV) Fracture/Veined Controlled -Mag. suscept.: 0.14-0.37



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF13-07**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
221.50 TO 252.10	<p>(4) Felsic Volcanic Rocks -fine grained massive dark grey rhyolite fragmental to flow breccia -unit consists of medium to dark grey rhyolite fragments in a dark grey weak flow-banded rhyolite matrix -fragments are elliptical, to rounded and highly variable in size ranging from <0.5cm to 2-3cm by <1cm -most fragments are of massive rhyolite but some fragments are quartz and/or feldspar phyrlic -unit lower contact broken but appears gradational 221.50 - 223.50</p> <p>(4) Felsic Volcanic Rocks -fine grained massive light whitish-yellow weakly sericitic, strongly silicified rhyolite fragmental to flow top? breccia -unit is locally strongly fractured with abundant thin (<2mm) light grey cross cutting quartz veinlets trending 60-80 deg TCA -many fracture planes and rhyolite are coated or rimmed with dark green chlorite -unit lower contact gradational</p>	<p>221.50 - 252.10: (A) Fine Grained 221.50 - 252.10: (FBX) Flow Breccia 221.50 - 252.10: (M) Massive 221.50 - 252.10: (F) Fragmental 221.50 - 252.10: (FB) Flow Banded 221.50 - 223.50: (F) Fragmental 221.50 - 223.50: (IBX) In situ Breccia 221.50 - 223.50: (A) Fine Grained</p>	<p>221.50 - 252.10: (LCTBRK) Lower Contact - Broken, 221.50 - 223.50: (LCTGRD) Lower Contact - Gradational,</p>	<p>221.50 - 252.10: (SI) Silicification, (M) Moderate, (P) Pervasive 221.50 - 223.50: (SI) Silicification, (M) Moderate, (P) Pervasive 221.50 - 223.50: (SE) Sericitization, (W) Weak, (P) Pervasive 221.50 - 223.50: (BL) Bleached/Bleaching, (M) Moderate, (P) Pervasive</p>	<p>221.50 - 252.10: 0.5% (PO) Pyrrhotite, (FV) Fracture/Veined Controlled 221.50 - 252.10: 0.5% (SPH) Sphalerite, (FV) Fracture/Veined Controlled 221.50 - 252.10: 1% (PY) Pyrite, (FV) Fracture/Veined Controlled -Mag. suscept.: 0.03-0.17 221.50 - 223.50: 1% (PY) Pyrite, (FV) Fracture/Veined Controlled</p>
252.10 TO 268.05	<p>(4) Felsic Volcanic Rocks -fine grained massive to weakly sheared light grey to dark grey rhyolite to intermediate flow -unit locally appears tuffaceous -this unit is distinct from the others up-hole in that it is more massive with significantly less rhyolite fragments present -rhyolite fragments are light grey to white and comprise <10% of the unit, are elliptical to platy with angular to sub-rounded edges and vary in size from <0.5cm to 3cm by <1cm -shearing intensity increases downhole</p>	<p>252.10 - 268.05: (F) Fragmental 252.10 - 268.05: (A) Fine Grained</p>	<p>252.10 - 268.05: (WSF) Weakly Schistose/Foliated,</p>	<p>252.10 - 268.05: (CC) Calcite (Calcitic Alt.), (W) Weak, (FV) Fracture/Veined controlled</p>	<p>252.10 - 268.05: 0.5% (PO) Pyrrhotite, (FV) Fracture/Veined Controlled 252.10 - 268.05: 1% (PY) Pyrite, (FV) Fracture/Veined Controlled</p>



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF13-07**

Units: METRIC

FROM TO	ROCK TYPE	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION
268.05 TO 291.00	(4) Felsic Volcanic Rocks -fine grained massive to strongly sheared light grey rhyolite to intermediate tuff -this unit is similar in composition to the unit above but is more tuffaceous and distinctly sheared -rhyolite fragments are light grey to white and comprise <10% of the unit, are elliptical to platy (stretched) with angular to sub-rounded edges and vary in size from <0.5cm to 3cm by <1cm	268.05 - 291.00: (TUF) Tuff 268.05 - 291.00: (F) Fragmental 268.05 - 291.00: (A) Fine Grained	268.05 - 291.00: (SSF) Strongly Schistose/Foliated.	268.05 - 270.00: (CC) Calcite (Calcitic Alt.), (W) Weak, (FV) Fracture/Veined controlled 270.00 - 291.00: (SE) Sericitization, (W) Weak, (P) Pervasive	268.05 - 291.00: 0.5% (PO) Pyrrhotite, (FV) Fracture/Veined Controlled 268.05 - 291.00: 1% (PY) Pyrite, (FV) Fracture/Veined Controlled
291.00 TO 291.01	(EOH) End of Hole -36 BQ boxes				



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF13-07**

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
AV02163	87.00	90.00	3.00	2	43.26	1.15	14.51	12.93	0.20	7.48	6.28	3.56	0.35	-0.01	0.05	9.58	99.44	22	49	93	99				
AV02164	93.00	96.00	3.00	4	68.47	0.26	15.90	3.24	0.04	1.14	0.76	5.52	2.42	-0.01	0.09	1.89	99.87	71	285	5	98				
AV02165	99.00	102.00	3.00	2	42.90	1.08	13.98	12.19	0.16	7.75	5.94	2.50	1.43	-0.01	0.04	11.77	99.84	23	46	91	92				
AV02166	111.00	114.00	3.00	4	74.42	0.18	12.46	1.43	0.02	0.24	0.40	0.16	9.24	-0.01	0.14	0.84	99.78	35	218	5	19				
AV02167	126.00	129.00	3.00	4	75.13	0.18	12.21	1.04	0.02	0.17	0.27	0.07	9.42	-0.01	0.15	0.86	99.74	53	233	3	30			SE	
AV02168	159.00	162.00	3.00	4	73.22	0.17	12.69	1.74	0.04	0.33	0.64	-0.01	9.17	-0.01	0.14	1.36	99.72	38	226	5	13			SE	
AV02169	171.00	174.00	3.00	4	70.39	0.22	15.23	2.62	0.02	1.02	0.38	-0.01	7.06	-0.01	0.08	2.48	99.68	90	301	5	20				
AV02170	189.00	192.00	3.00	2	47.30	0.86	13.72	9.06	0.16	5.43	8.56	3.62	1.29	0.01	0.04	9.25	99.40	22	78	35	87				
AV02171	213.00	216.00	3.00	4	71.13	0.18	13.31	2.59	0.03	0.45	1.05	0.77	8.29	-0.01	0.14	1.66	99.81	74	260	27	21			SI	
AV02172	218.00	220.00	2.00	3	76.66	0.16	11.32	2.57	0.02	0.71	0.39	0.88	5.55	-0.01	0.10	1.35	99.89	62	220	26	11				
AV02173	225.00	228.00	3.00	4	72.10	0.17	12.86	2.87	0.07	0.70	0.69	0.40	7.76	-0.01	0.09	1.66	99.56	85	255	35	114			SI	
AV02174	255.00	258.00	3.00	4	73.64	0.19	12.95	2.52	0.05	0.43	0.93	2.89	4.34	-0.01	0.07	1.46	99.61	48	251	3	72			SE	
AV02175	276.00	279.00	3.00	4	71.87	0.20	14.57	2.69	0.03	1.34	0.77	1.75	4.29	0.04	0.06	1.99	99.82	58	275	17	147			SE	



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF13-07**

Units: METRIC

WRA Information - Pathfinders

Sample Number	From	To	Length	Rock	CHEMID	CO2 %	S %	S ppm	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Co ppm	Ag gpt	Au ppb	Mn ppm	As ppm	Sb ppm	Hg ppb	W ppm	Mo ppm	Tl ppm	Ba ppm	Bi ppm	Sn ppm	Se ppm	F ppm
AV02163	87.00	90.00	3.00	2					93	99	1	150	54		2		3	0	10	-0	0	0	70	1	-1	0	300
AV02164	93.00	96.00	3.00	4					5	98	8	8	8		2		-1	0	40	1	4	-0	314	0	3	0	400
AV02165	99.00	102.00	3.00	2					91	92	1	157	58		2		20	0	10	-0	0	-0	129	0	-1	0	200
AV02166	111.00	114.00	3.00	4					5	19	2	15	12		65		7	0	10	2	1	-0	1454	-0	-1	0	200
AV02167	126.00	129.00	3.00	4					3	30	6	23	22		4		5	0	10	5	2	-0	1175	0	1	-0	100
AV02168	159.00	162.00	3.00	4					5	13	2	14	13		7		4	0	10	2	2	-0	1200	0	1	0	100
AV02169	171.00	174.00	3.00	4					5	20	4	12	13		2		2	0	10	2	9	-0	840	0	3	-0	600
AV02170	189.00	192.00	3.00	2					35	87	2	90	34		1		4	0	-10	0	1	0	262	-0	-1	0	400
AV02171	213.00	216.00	3.00	4					27	21	3	23	21		2		2	0	10	4	3	-0	1237	0	3	0	200
AV02172	218.00	220.00	2.00	3					26	11	2	8	9		3		2	0	10	2	2	-0	934	0	3	0	300
AV02173	225.00	228.00	3.00	4					35	114	4	13	14		2		5	0	5	3	3	0	810	0	4	-0	300
AV02174	255.00	258.00	3.00	4					3	72	5	6	6		1		-1	0	10	1	1	0	323	0	3	-0	400
AV02175	276.00	279.00	3.00	4					17	147	16	7	7		1		1	0	5	2	2	0	707	0	3	0	500



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF13-07**

Units: METRIC

WRA Information - Mixed

Sample Number	From	To	Length	Rock	CHEMID	Cd ppm	V ppm	B ppm	Be ppm	Br ppm	Ga ppm	Ge ppm	In ppm	Ir ppb	Li ppm	Rb ppm	Sr ppm	Cs ppm	Sc ppm	Hf ppm	Pt ppb	Pd ppb	Re ppb	Rh ppb	Ru ppb
AV02163	87.00	90.00	3.00	2		0	220				17					10	220	1		2					
AV02164	93.00	96.00	3.00	4		1	17				24					66	68	3		9					
AV02165	99.00	102.00	3.00	2		0	199				17					31	226	1		1					
AV02166	111.00	114.00	3.00	4		-0	24				17					120	32	2		7					
AV02167	126.00	129.00	3.00	4		0	24				18					136	20	2		7					
AV02168	159.00	162.00	3.00	4		-0	23				19					138	25	2		7					
AV02169	171.00	174.00	3.00	4		-0	10				29					143	18	4		9					
AV02170	189.00	192.00	3.00	2		0	159				17					30	211	3		2					
AV02171	213.00	216.00	3.00	4		-0	23				22					126	50	2		8					
AV02172	218.00	220.00	2.00	3		-0	14				19					94	31	2		7					
AV02173	225.00	228.00	3.00	4		0	15				26					138	48	4		9					
AV02174	255.00	258.00	3.00	4		0	11				20					116	84	4		8					
AV02175	276.00	279.00	3.00	4		0	6				23					155	50	4		8					



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF13-07**

Units: METRIC

WRA Information - Traces/REE

Sample Number	From	To	Length Rock	CHEMID	Ta ppm	Th ppm	U ppm	Nb ppm	Y ppm	Zr ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	34S pmil	18O pmil
AV02163	87.00	90.00	3.00	2	0	-0	-0	2	22	49	4	9	1	8	3	1	3	1	4	1	2	0	2	0		
AV02164	93.00	96.00	3.00	4	1	7	2	13	71	285	50	106	13	51	10	2	10	2	11	2	7	1	8	1		
AV02165	99.00	102.00	3.00	2	0	0	-0	2	23	46	4	9	1	7	2	1	3	1	3	1	2	0	2	0		
AV02166	111.00	114.00	3.00	4	1	5	1	10	35	218	36	79	10	39	7	1	6	1	6	1	4	1	4	1		
AV02167	126.00	129.00	3.00	4	1	5	1	10	53	233	42	91	11	43	9	1	7	1	7	2	5	1	6	1		
AV02168	159.00	162.00	3.00	4	1	5	1	10	38	226	38	82	10	40	7	1	6	1	6	1	4	1	4	1		
AV02169	171.00	174.00	3.00	4	1	8	2	15	90	301	55	117	14	57	11	2	11	2	12	3	8	1	9	1		
AV02170	189.00	192.00	3.00	2	0	1	0	3	22	78	8	18	2	10	3	1	3	1	3	1	2	0	2	0		
AV02171	213.00	216.00	3.00	4	1	7	2	15	74	260	49	106	12	52	10	1	11	2	11	2	7	1	8	1		
AV02172	218.00	220.00	2.00	3	1	6	2	14	62	220	42	93	11	47	9	1	9	1	9	2	6	1	7	1		
AV02173	225.00	228.00	3.00	4	1	7	2	17	85	255	54	117	14	60	11	2	12	2	13	3	8	1	9	1		
AV02174	255.00	258.00	3.00	4	1	7	2	14	48	251	45	99	12	46	9	2	8	1	8	2	5	1	6	1		
AV02175	276.00	279.00	3.00	4	1	7	2	13	58	275	43	96	11	46	9	1	8	1	9	2	6	1	7	1		



**DETAILED LOG
FALCONBRIDGE LTD.**

Hole Number: **MF13-07**

Units: METRIC

WRA Alteration Indices

Sample Number	From	To	Length	Rock	CHEMID	Al ₂ O ₃ /TiO ₂	Zr/Y	ALUM	ISHIKW	ACNK	SERICIT	Ca/Al	Zn/Na ₂ O	MgO	NUM	Ni/MgO	CuZn	Co/Ni	Mineralization	Alteration	Comments
AVO2163	87.00	90.00	3.00	2		12.62	2.25	142.39	44.31	0.65	0.05	0.43	28	0.57	20.01	48.46	0.36				
AVO2164	93.00	96.00	3.00	4		61.15	4.02	182.76	36.18	1.17	0.76	0.05	18	0.45	6.67	5.04	1.01				
AVO2165	99.00	102.00	3.00	2		12.94	2.05	141.64	52.10	0.64	0.19	0.42	37	0.60	20.30	49.62	0.37				
AVO2166	111.00	114.00	3.00	4		69.22	6.22	127.14	94.42	0.78	0.96	0.03	119	0.28	61.25	19.49	0.84				
AVO2167	126.00	129.00	3.00	4		67.83	4.43	125.10	96.58	0.78	0.97	0.02	429	0.28	137.06	9.91	0.94			SE	
AVO2168	159.00	162.00	3.00	4		74.65	5.94	129.49	93.78	0.78	0.93	0.05	-1300	0.31	42.73	27.37	0.95			SE	
AVO2169	171.00	174.00	3.00	4		69.23	3.35	204.98	95.62	1.25	0.95	0.02	-2000	0.48	11.86	19.68	1.05				
AVO2170	189.00	192.00	3.00	2		15.95	3.54	101.86	35.56	0.45	0.13	0.62	24	0.58	16.50	28.51	0.38				
AVO2171	213.00	216.00	3.00	4		73.94	3.51	131.65	82.77	0.78	0.89	0.08	27	0.29	51.78	56.25	0.91			SI	
AVO2172	218.00	220.00	2.00	3		70.75	3.54	165.98	83.13	1.02	0.93	0.03	13	0.39	11.83	69.86	1.02				
AVO2173	225.00	228.00	3.00	4		75.65	3.01	145.31	88.59	0.88	0.92	0.05	285	0.36	18.14	23.69	1.08			SI	
AVO2174	255.00	258.00	3.00	4		68.16	5.19	158.70	55.53	0.97	0.82	0.07	25	0.28	14.42	3.87	0.97			SE	
AVO2175	276.00	279.00	3.00	4		72.85	4.74	213.95	69.08	1.29	0.85	0.05	84	0.54	5.15	10.26	1.06			SE	

Swastika Laboratories Ltd.

1 Cameron Ave., Swastika, Ontario, P0K 1T0

Tel: (705) 642-3244 Fax: (705) 642-3300

Report No : 2W0985 RL

Date : May-09-02

FALCONBRIDGE EXPLORATION

Attention: D.STEVENSON

Project: 350


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 %	Total %
VO2177	70.19	13.75	3.20	3.16	0.82	2.66	2.96	0.19	0.07	0.01	145	280	65	10	65	20	5	<10	15	5	5	2.48	99.56
VO2178	45.89	15.32	12.55	9.38	5.99	2.49	0.16	1.36	0.25	0.11	195	90	30	120	80	95	95	10	470	60	10	5.01	98.63
VO2179	74.20	13.49	2.16	1.09	1.29	5.46	0.65	0.17	0.06	<0.01	170	250	65	<5	85	25	10	<10	15	5	5	1.11	99.73
VO2180	49.05	14.72	14.08	9.35	5.52	2.53	0.94	1.43	0.21	0.13	145	120	35	200	155	90	75	10	460	50	10	1.21	99.31
VO2181	71.98	15.29	1.82	0.77	0.31	4.05	3.50	0.22	0.03	0.01	135	340	60	15	155	15	5	<10	10	10	5	1.68	99.73
VO2182	69.83	14.50	1.36	1.49	0.23	0.59	9.29	0.20	0.05	0.01	250	330	45	10	35	20	5	10	10	10	5	1.83	99.44
VO2183	72.43	13.96	1.82	0.74	0.88	3.26	3.16	0.20	0.02	<0.01	170	310	50	5	70	15	5	<10	10	10	5	2.00	98.54
VO2184	68.64	14.60	3.89	1.43	0.87	3.93	2.80	0.20	0.04	0.03	120	320	65	<5	<5	20	5	<10	15	10	5	2.73	99.23
VO2193	72.41	13.82	1.78	1.46	0.25	3.95	4.03	0.21	0.05	0.03	160	330	60	10	70	20	5	<10	10	5	5	1.62	99.68
VO2194	72.26	13.46	2.32	1.25	0.40	4.19	2.69	0.19	0.07	0.03	150	360	60	5	55	15	5	<10	10	5	5	1.90	98.81
VO2195	69.18	13.18	2.79	3.03	0.74	3.51	2.98	0.18	0.13	0.01	150	300	60	<5	90	25	5	<10	10	10	5	4.00	99.79
VO2196	69.95	12.97	3.76	1.70	1.31	1.16	4.13	0.18	0.13	<0.01	165	300	55	10	55	25	5	<10	10	10	5	3.66	99.02
VO2197	73.57	13.04	2.22	0.83	0.56	1.79	4.97	0.18	0.04	<0.01	215	280	45	5	40	20	5	<10	10	5	5	2.11	99.36

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

Signed: 



Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Geochemical Analysis Certificate

2W-0862-RG1

Company: **FALCONBRIDGE EXPL. (KIDD CREEK)**


Date: APR-19-02

Project: Fez

Attn: D. Stevenson

We hereby certify the following Geochemical Analysis of 14 Core samples submitted APR-16-02 by .

Sample Number	Au_PPb	Cu_gpt	Zn_gpt	Pb_gpt	Ag_PPb	Ni_gpt
AV00901	5	17	85	1	0.1	14
AV00902	24	37	165	2	0.9	39
AV00903	17	17	134	1	0.2	23
AV00904	33	59	78	2	0.6	29
AV00905	3	15	119	1	0.3	26
AV00906	9	16	197	1	0.3	30
AV00907	3	18	107	1	0.2	19
AV00908	2	13	76	2	0.1	14
AV00909	3	14	183	1	0.3	26
AV00910	3	13	323	3	0.4	44
AV00911	<2	4	121	2	0.1	8
AV00912	<2	19	127	5	0.1	39
AV00913	3	16	69	1	0.1	17
AV00914	10	36	97	103	0.2	62

Certified by 



Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Geochemical Analysis Certificate

2W-0923-RG1

Company: **FALCONBRIDGE EXPLORATION**
Project: 33
Attn: D. Stevenson

Date: APR-26-02

We hereby certify the following Geochemical Analysis of 20 Core samples submitted APR-24-02 by .

Sample Number	Au_PPB	Cu_gpt	Zn_gtp	Pb_gpt	Ag_PPM	Ni_gpt	Zn_%
AV00915	10	19	74	1	0.1	51	-
AV00916	7	9	48	1	0.1	11	-
AV00917	7	7	99	4	0.1	3	-
AV00918	10	8	101	2	0.1	13	-
AV00919	10	73	55	1	0.1	7	-
AV00920	19	37	59	1	0.1	14	-
AV00921	7	60	77	1	0.1	6	-
AV00922	12	19	18	1	0.1	13	-
AV00923	5	923	>10000	40	1.8	3	1.77
AV00924	<2	89	102	1	0.1	14	-
0925	<2	31	65	1	0.1	4	-
AV00926	<2	6	35	1	0.1	5	-
AV00927	<2	4	13	1	0.1	5	-
AV00928	9	3	28	1	0.2	2	-
AV00929	<2	5	12	1	0.2	6	-
AV00930	<2	9	17	1	0.1	17	-
AV00931	<2	20	136	3	0.1	4	-
AV00932	<2	9	112	9	0.1	9	-
AV00933	<2	5	88	7	0.1	4	-
AV00934	3	38	94	105	0.2	63	-

Certified by Denis Chantre

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines



Date: 2004-APR-30

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

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

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

Submission Number: 2.27557
Transaction Number(s): W0460.00625

Dear Sir or Madam

Subject: Approval of Assessment Work

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

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

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at steve.beneteau@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,

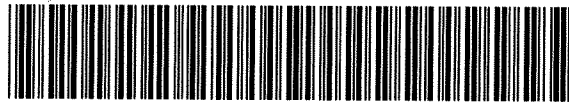
A handwritten signature in black ink, appearing to read "S. Lessard", with a long horizontal flourish extending to the right.

Sheila Lessard
Senior Manager(A), Mining Lands Section

Cc: Resident Geologist
Falconbridge Limited
(Claim Holder)

Assessment File Library
Falconbridge Limited
(Assessment Office)

Dean Rogers
(Agent)



42A13SE2014 2.27557 MAHAFFY

200

ONTARIO CANADA

MINISTRY OF NORTHERN DEVELOPMENT AND MINES
PROVINCIAL MINING RECORDERS' OFFICE

Mining Land Tenure Map

Date / Time of Issue: Fri Apr 30 13:38:13 EDT 2004

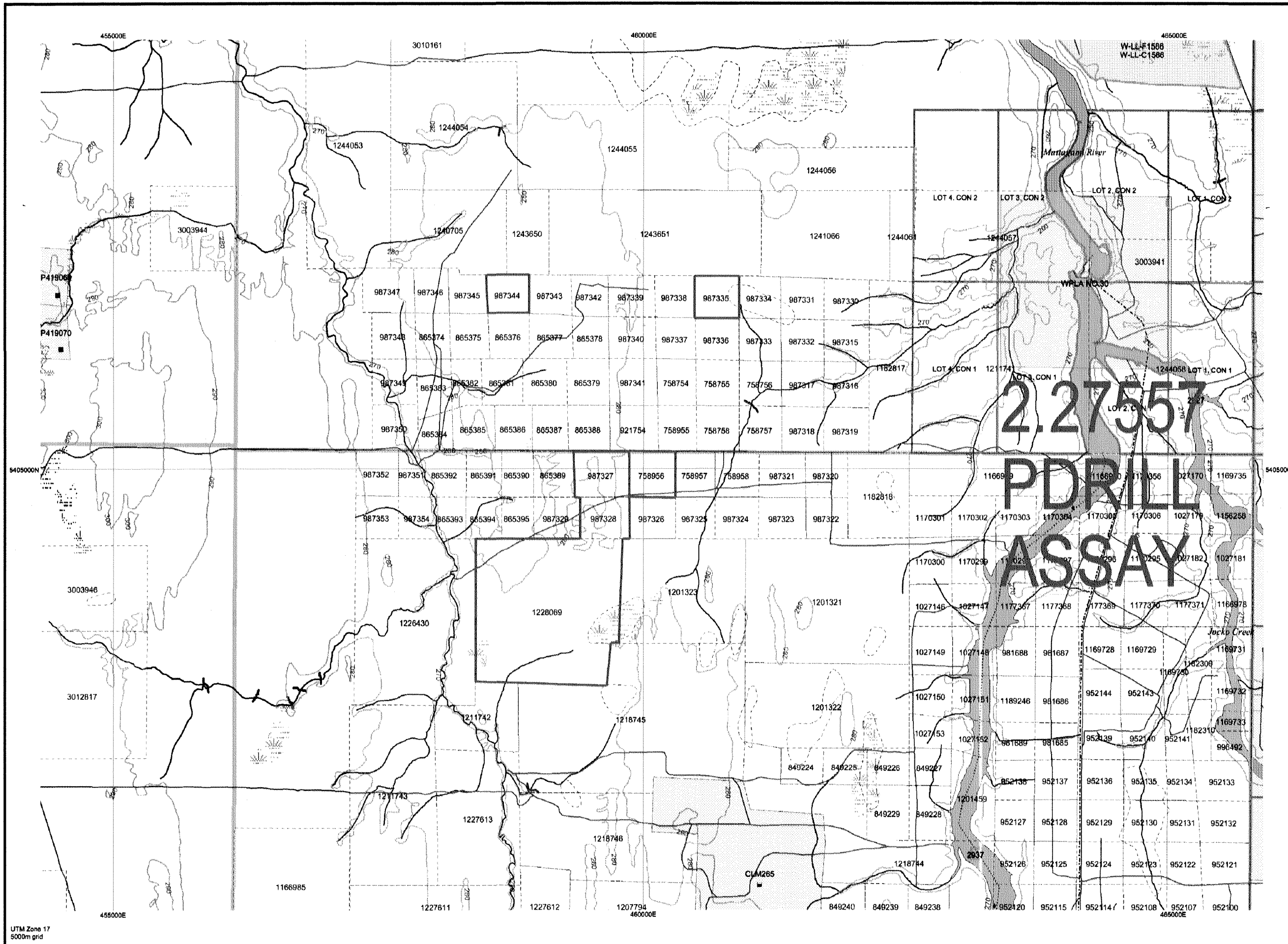
TOWNSHIP / AREA
REID

PLAN
G-3966

ADMINISTRATIVE DISTRICTS / DIVISIONS

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

Porcupine
COCHRANE
TIMMINS

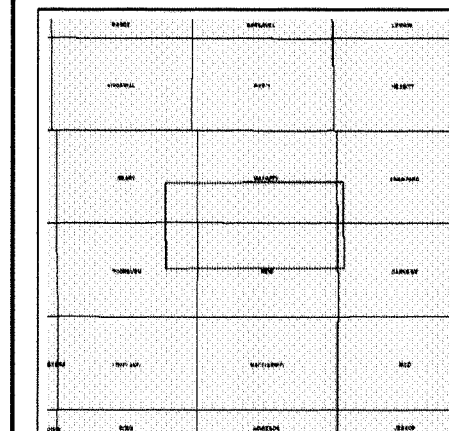


TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

Land Tenure

- Freehold Patent
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Leasehold Patent
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Licence of Occupation
 - Uses Not Specified
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
 - Land Use Permit
 - Order In Council (Not open for staking)
 - Water Power Lease Agreement
- Mining Claim
- Filed Only Mining Claims
- LAND TENURE WITHDRAWALS
 - Areas Withdrawn from Disposition
 - Mining Acts Withdrawal Types
 - Surface And Mining Rights Withdrawn
 - Surface Rights Only Withdrawn
 - Mining Rights Only Withdrawn
 - Order In Council Withdrawal Types
 - Surface And Mining Rights Withdrawn
 - Surface Rights Only Withdrawn
 - Mining Rights Only Withdrawn
- IMPORTANT NOTICES



LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
2758	Wsm	Jan 1, 2001	FLOODING RESERVATION TO CONTOUR ELEVATION 811 FT RESI TO ONTARIO HYDRO
2827	Wsm	Jan 1, 2001	FLOODING RIGHTS IN LOTS 1,2 AND 3, CON. 1 TO H.E.P.C. L.O. 70
2937	Wsm	Jan 1, 2001	FLOODING ON MATTAGAMI RIVER LO 7085
W-LL-C1586	Wsm	Feb 1, 2004	Boundary generally depicts area withdrawn Click to view actual area
W-LL-F1686	Wsm	Feb 26, 2004	Boundary generally depicts area withdrawn Click to view actual area

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

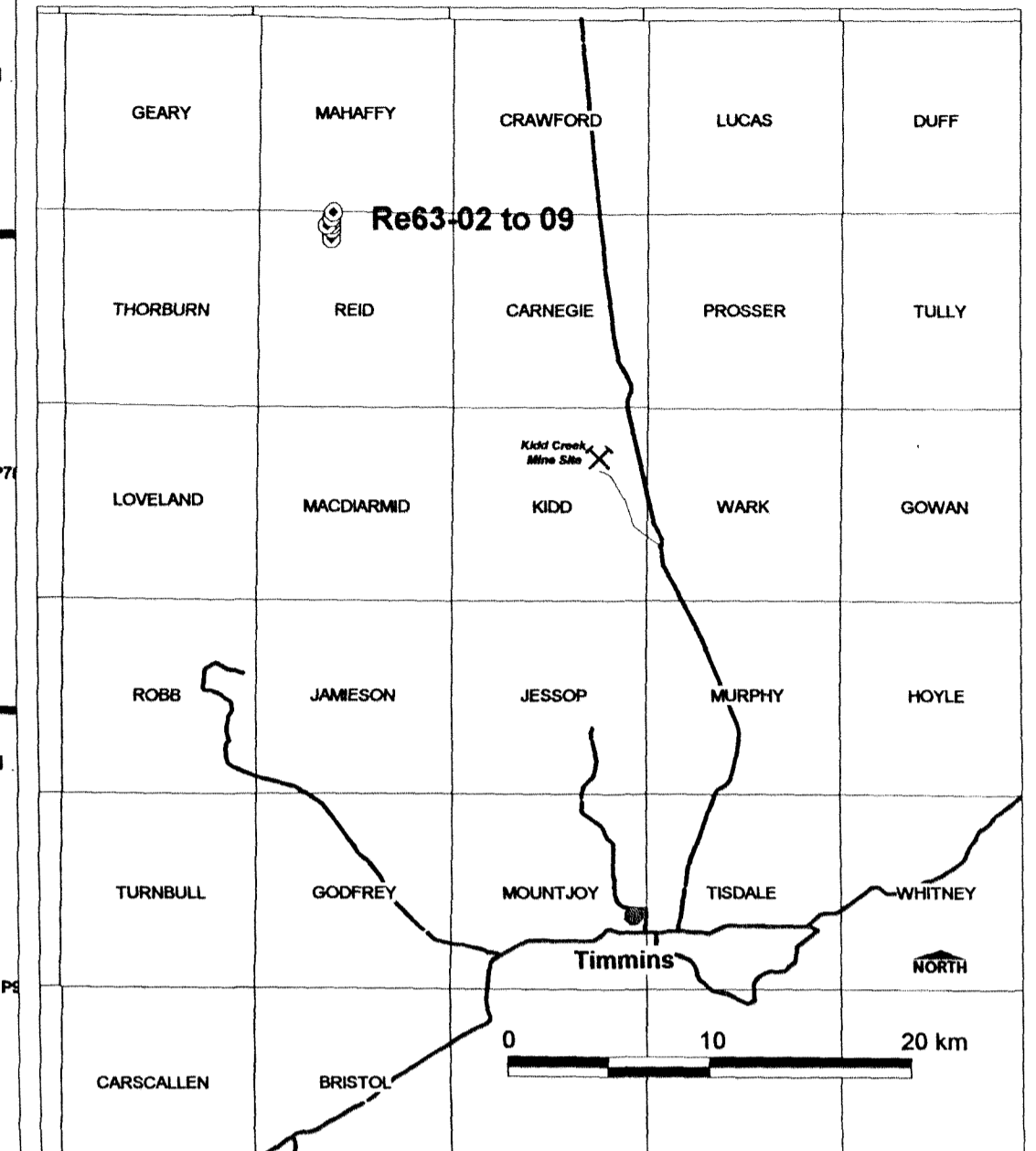
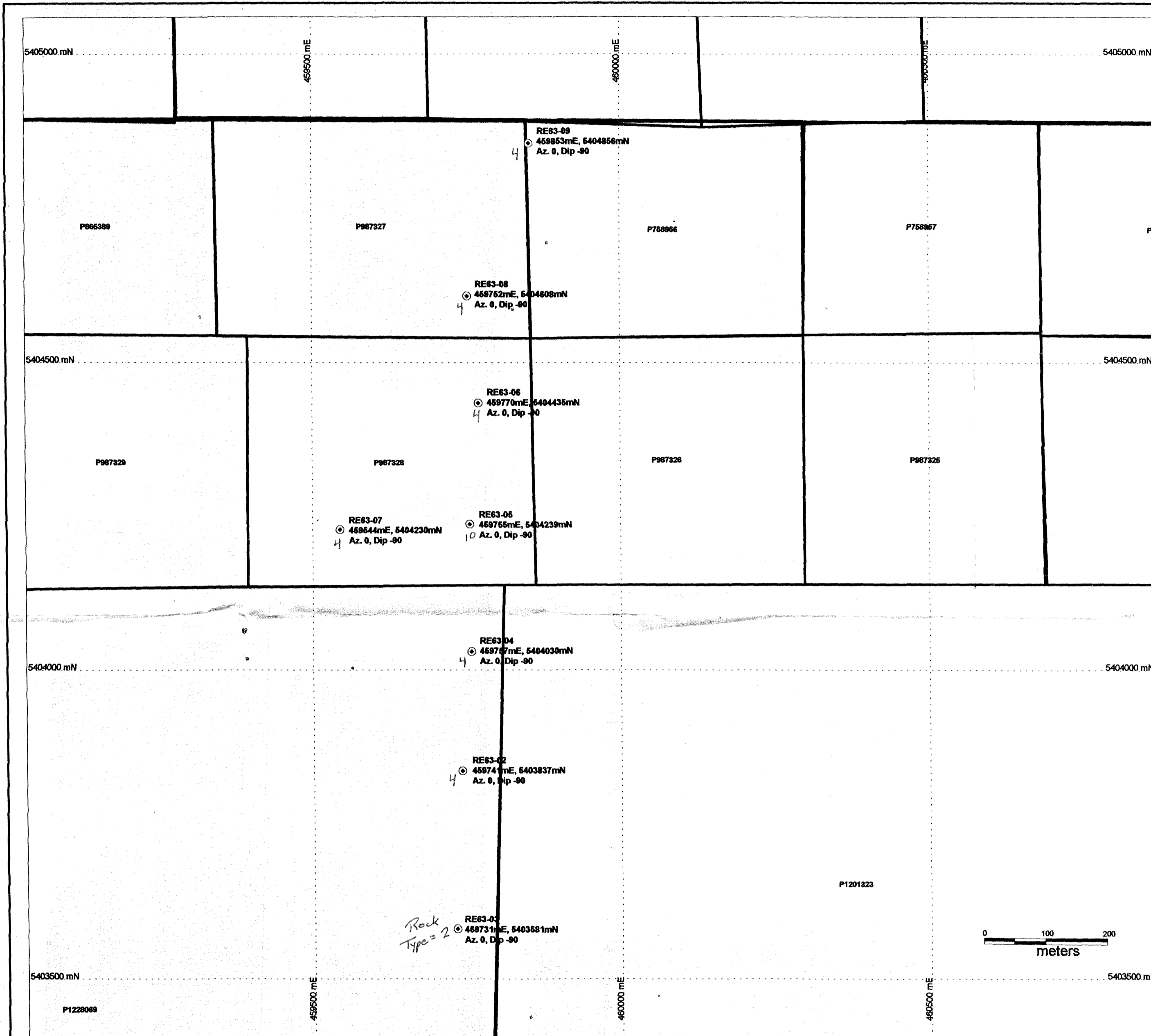
General Information and Limitations

Contact Information:
Provincial Mining Recorders' Office
Willat Green Miller Centre 933 Ramsey Lake Road
Sudbury ON P3E 8B5
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/misampg.htm

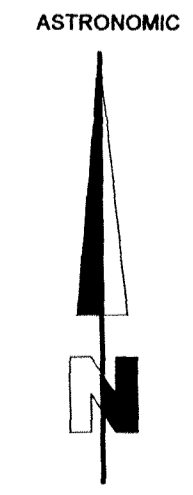
Toll Free
Tel: 1 (888) 415-9845 ext 57
Fax: 1 (877) 670-1444

Map Datum: NAD 83
Projection: UTM (5 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

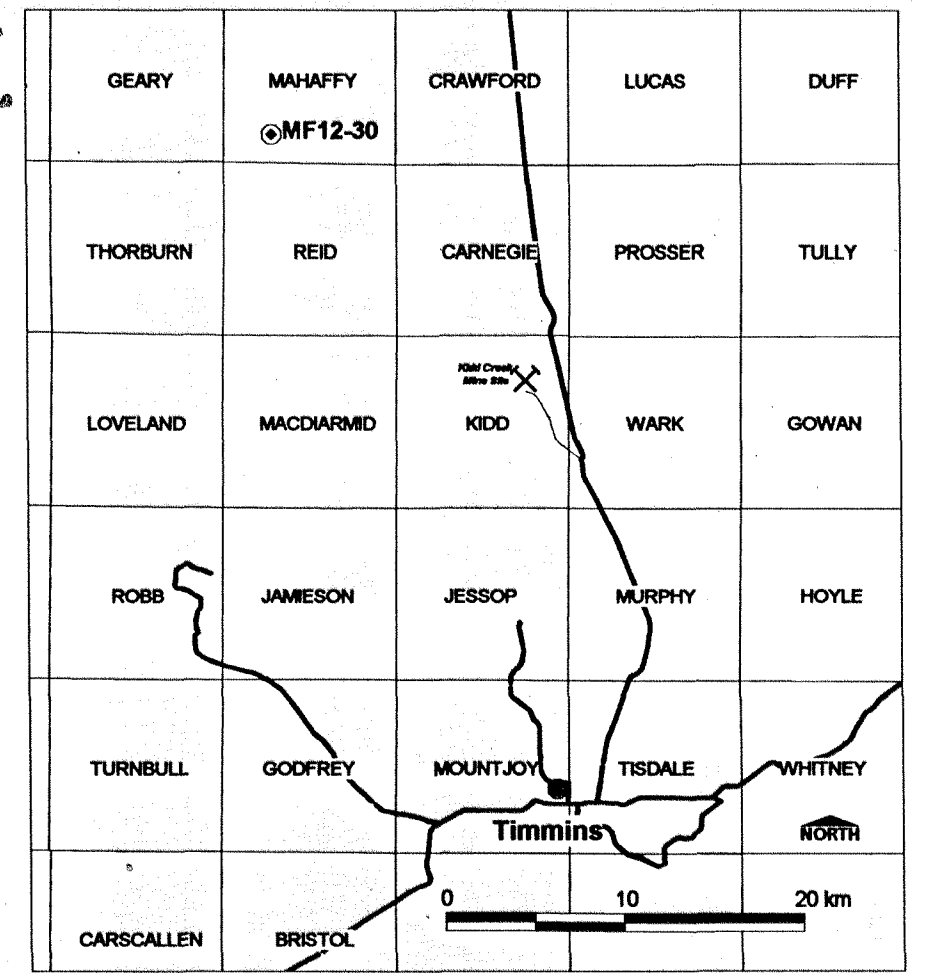
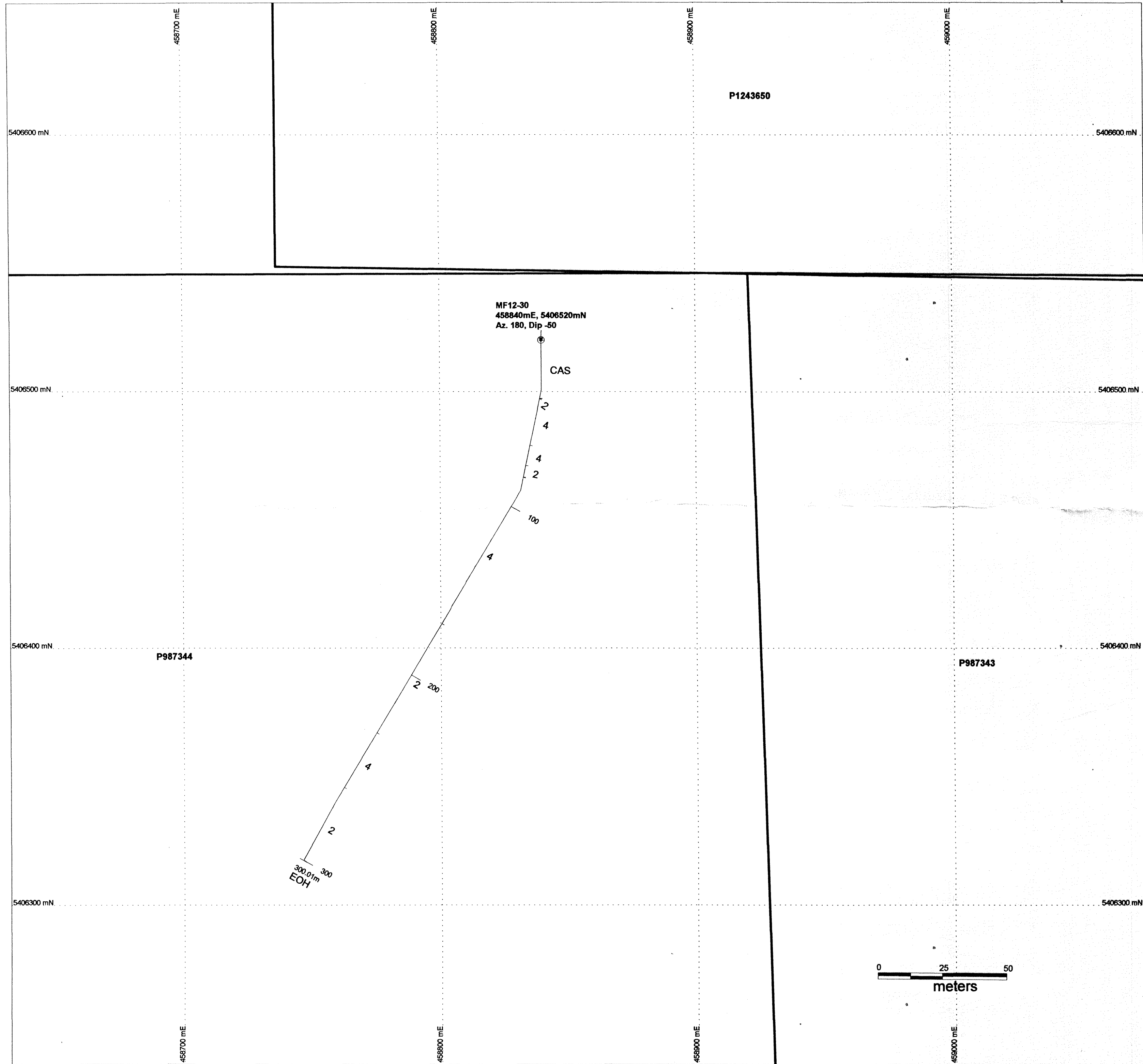
This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.



2.27557



FALCONBRIDGE LIMITED Exploration Division - Timmins, Ontario			
FEZ Project Reid Township Diamond Drill Plan Drillhole Re63-02 to 09			
Traced:	Date:	NTS:	Project:
Drawn:	Date:	Map No.:	
Supervised:	Date:	File:	
Revised:	Date:	Workspace:	
Scale 1:5,000			



2.27557

LEGEND

10	DIABASE	5	SEDIMENTARY ROCKS
9	FELSIC INTRUSIVE ROCKS	4	FELSIC VOLCANIC ROCKS
8	INTERMEDIATE INTRUSIVE ROCKS	3	INTERMEDIATE VOLCANIC ROCKS
7	MAFIC INTRUSIVE ROCKS	2	MAFIC VOLCANIC ROCKS
6	ULTRAMAFIC INTRUSIVE ROCKS	1	ULTRAMAFIC VOLCANIC ROCKS

ASTRONOMIC

FALCONBRIDGE LIMITED

Exploration Division Timmins, ONTARIO

FEZ Project

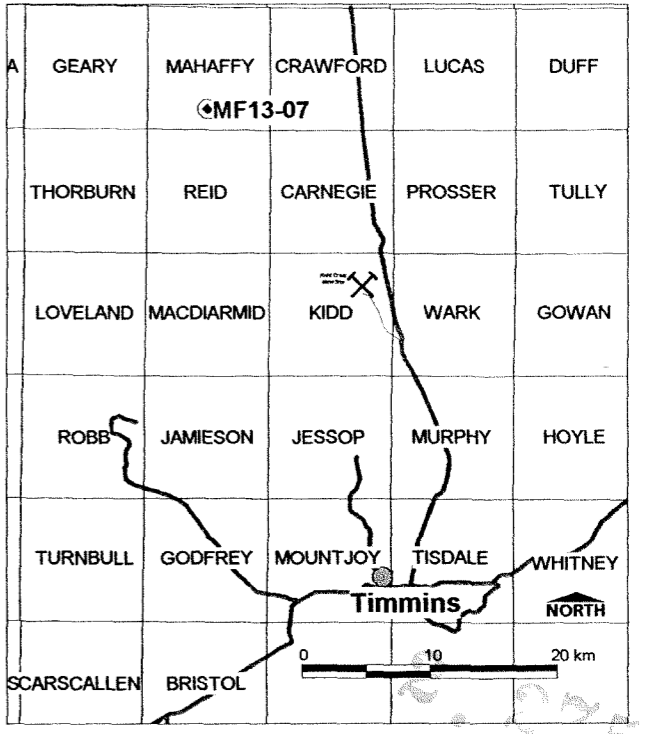
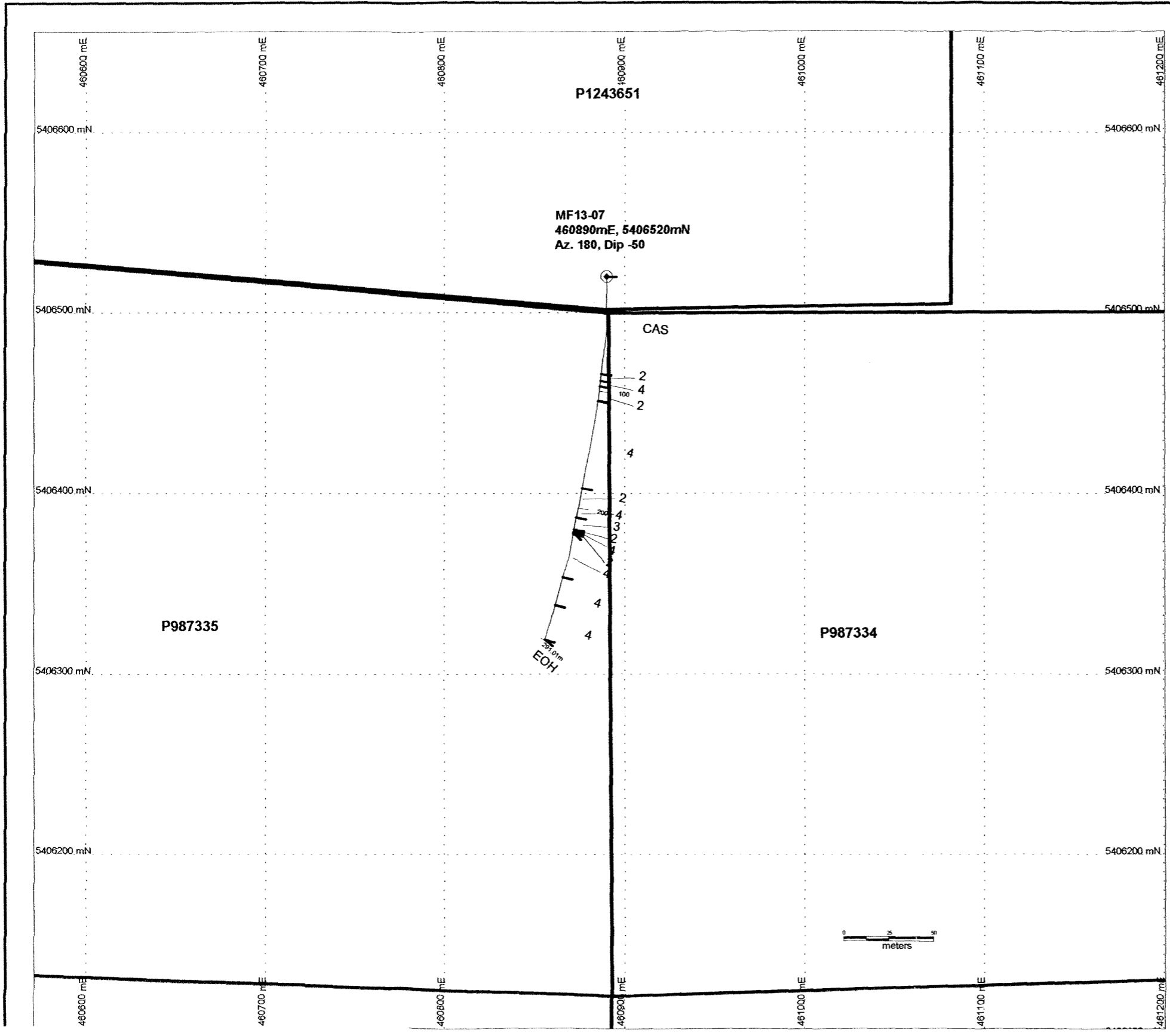
Mahafty Township

Diamond Drill Plan

Drillhole MF12-30

TRACED: D.B.S.	DATE: 2001	HTS:	PROJECT:
DRAWN: D.B.S.	DATE: 2001	DMP No:	FILE:
SUPERVISED: DATE: 2001		Scale: 1:1000	
REVISED: DATE: 2001			





LEGEND

10	DIABASE	5	SEDIMENTARY ROCKS
9	FELSIC INTRUSIVE ROCKS	4	FELSIC VOLCANIC ROCKS
8	INTERMEDIATE INTRUSIVE ROCKS	3	INTERMEDIATE VOLCANIC ROCKS
7	MAFIC INTRUSIVE ROCKS	2	MAFIC VOLCANIC ROCKS
6	ULTRAMAFIC INTRUSIVE ROCKS	1	ULTRAMAFIC VOLCANIC ROCKS

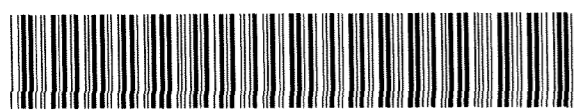
FALCONBRIDGE LIMITED
Exploration Division Timmins, ONTARIO

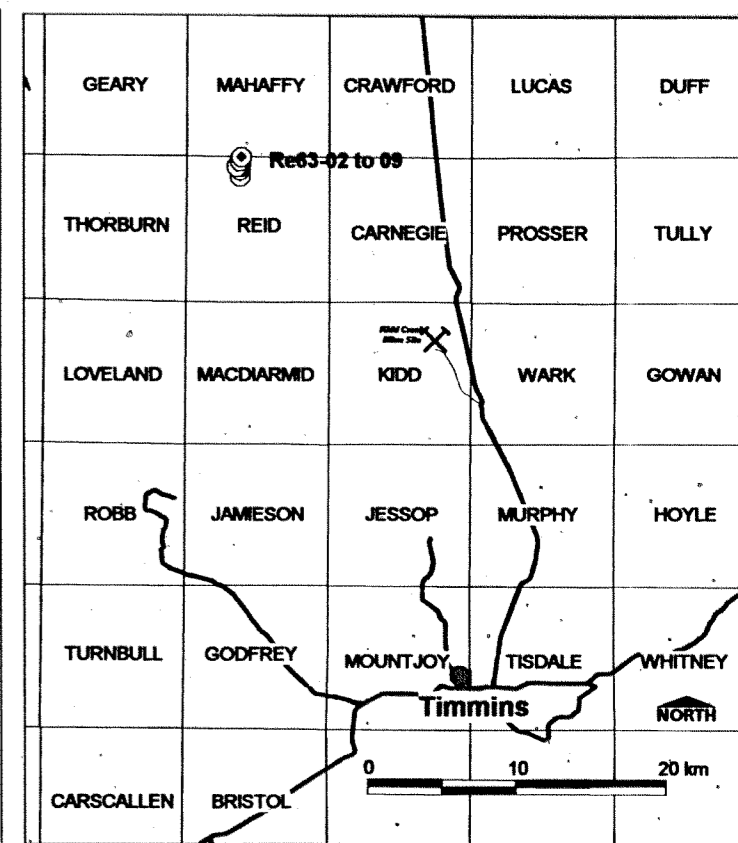
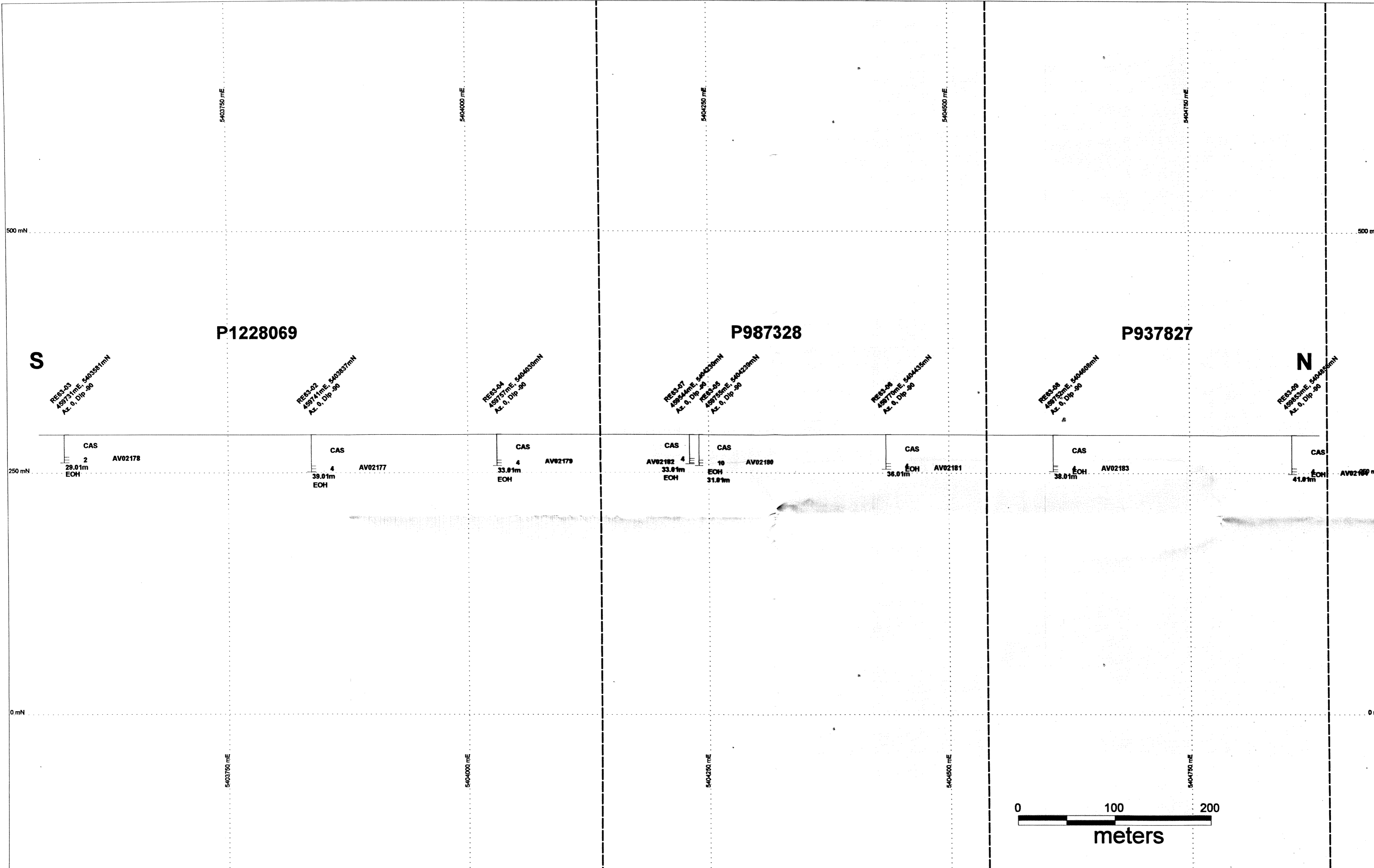
FEZ Project
Mahaffy Township

Diamond Drill Plan
Drillhole MF13-07

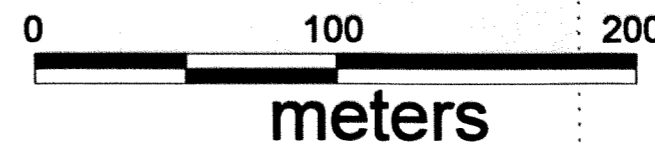
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Scale: 1:2500





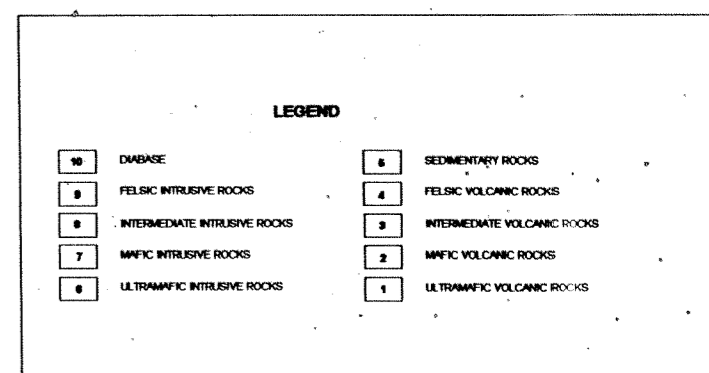
2.27557



WRA Table

Hole_number	Depth_from	Depth_to	Sample_name	Mo2_per_j	TiO2_per_j	Al2O3_per_j	Fe2O3_per_j	MnO_per_j	MgO_per_j	CaO_per_j	MgO_per_j	K2O_per_j	P2O5_per_j	Cr2O3_per_j	LoI_per_j	Burn_per_j
RE63-02	33	36	AV02177	0	0	0	0	0	0	0	0	0	0	0	0	0
RE63-03	23	26	AV02178	0	0	0	0	0	0	0	0	0	0	0	0	0
RE63-04	27	30	AV02179	0	0	0	0	0	0	0	0	0	0	0	0	0
RE63-05	27	30	AV02180	0	0	0	0	0	0	0	0	0	0	0	0	0
RE63-06	33	36	AV02181	0	0	0	0	0	0	0	0	0	0	0	0	0
RE63-07	27	30	AV02182	0	0	0	0	0	0	0	0	0	0	0	0	0
RE63-08	33	36	AV02183	0	0	0	0	0	0	0	0	0	0	0	0	0
RE63-09	38	41	AV02184	0	0	0	0	0	0	0	0	0	0	0	0	0

Hole_number	Depth_from	Depth_to	Sample_name	Cr_ppm_lab	V_ppm_lab	Zr_ppm_lab	Sr_ppm_lab	Cu_ppm_lab	Zn_ppm_lab	Pb_ppm_lab	Ni_ppm_lab	Co_ppm_lab	Mn_ppm_lab	F_ppm_lab	Y_ppm_lab
RE63-02	33	36	AV02177	0	0	0	0	0	0	0	0	0	0	0	0
RE63-03	23	26	AV02178	0	0	0	0	0	0	0	0	0	0	0	0
RE63-04	27	30	AV02179	0	0	0	0	0	0	0	0	0	0	0	0
RE63-05	27	30	AV02180	0	0	0	0	0	0	0	0	0	0	0	0
RE63-06	33	36	AV02181	0	0	0	0	0	0	0	0	0	0	0	0
RE63-07	27	30	AV02182	0	0	0	0	0	0	0	0	0	0	0	0
RE63-08	33	36	AV02183	0	0	0	0	0	0	0	0	0	0	0	0
RE63-09	38	41	AV02184	0	0	0	0	0	0	0	0	0	0	0	0



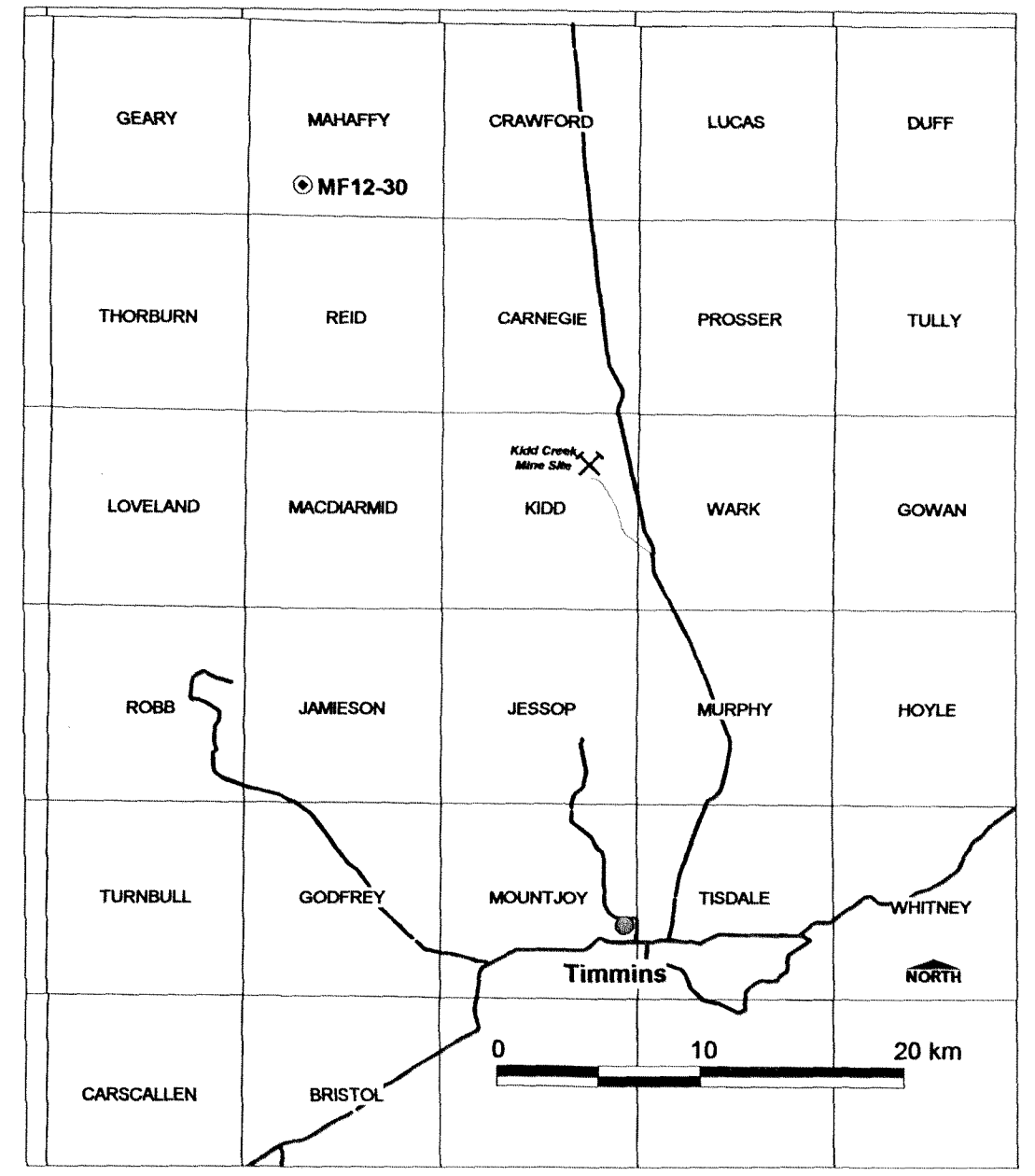
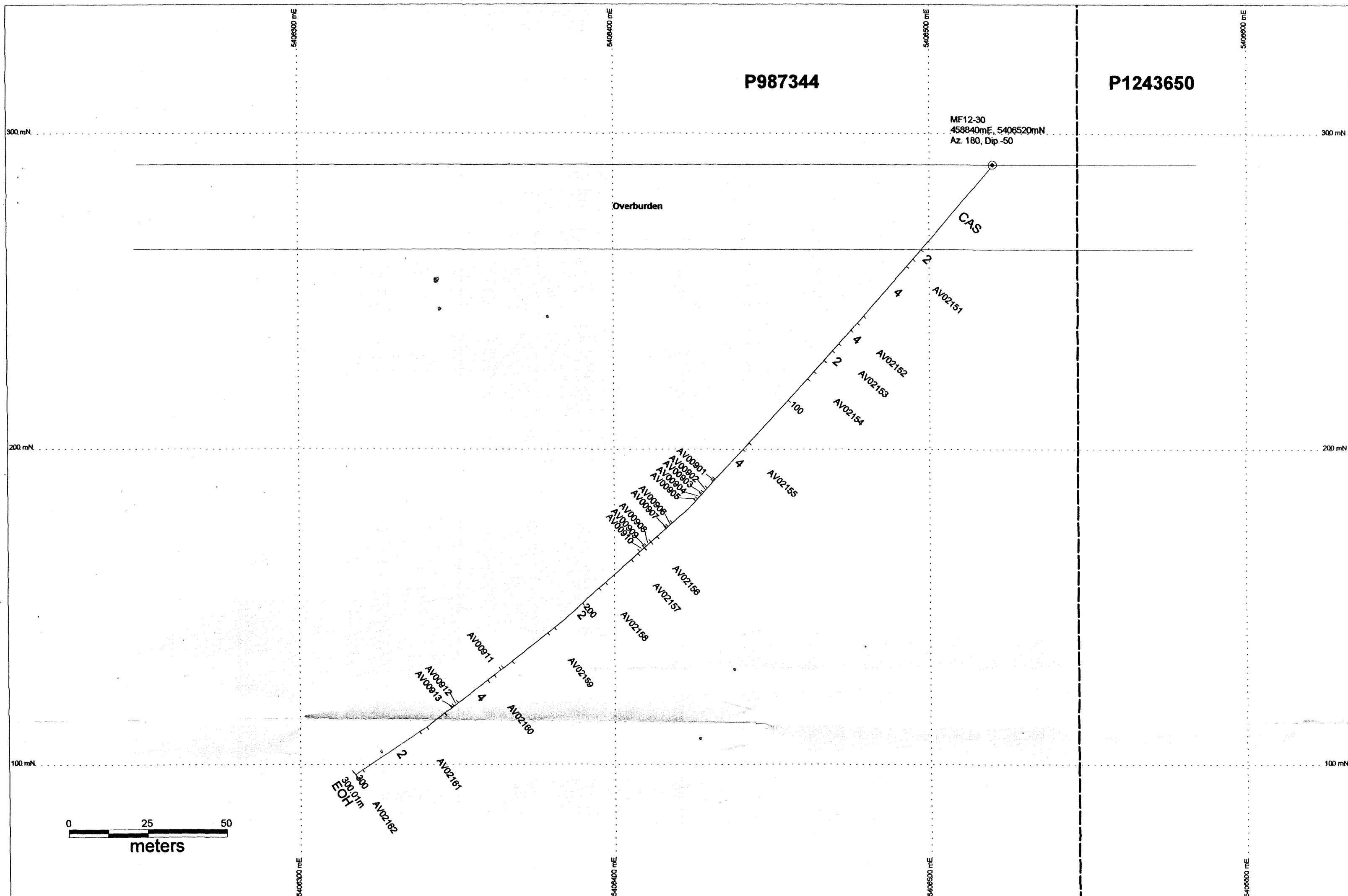
FALCONBRIDGE LIMITED
 Exploration Division Timmins, ONTARIO

FEZ Project
 Looking Az. 000 Reid Township

Diamond Drill Section
 Drillhole Re63-02 to Re63-09

Scale: 1:3000





2.27557

WRA Table

Hole_number	Depth_from	Depth_to	Sample_num	Mo2_per_j	TiO2_per_j	Al2O3_per_j	Fe2O3_per_j	MnO_per_j	MgO_per_j	CaO_per_j	Na2O_per_j	K2O_per_j	P2O5_per_j	Cr2O3_per_j	Li2O_per_j	B2O3_per_j
MF12-30	30	42	AV02151	0	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	60	60	AV02152	0	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	75	78	AV02153	0	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	87	80	AV02154	0	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	120	123	AV02155	0	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	165	168	AV02156	0	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	174	177	AV02157	0	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	188	182	AV02158	0	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	213	210	AV02159	0	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	240	243	AV02160	0	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	270	273	AV02161	0	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	297	300	AV02162	0	0	0	0	0	0	0	0	0	0	0	0	0

Hole_number	Depth_from	Depth_to	Sample_num	Cr_ppm_lab	V_ppm_lab	Zr_ppm_lab	Sr_ppm_lab	Cu_ppm_lab	Zn_ppm_lab	Pb_ppm_lab	Mn_ppm_lab	Co_ppm_lab	Ba_ppm_lab	F_ppm_lab	Y_ppm_lab
MF12-30	30	42	AV02151	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	60	60	AV02152	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	75	78	AV02153	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	87	80	AV02154	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	120	123	AV02155	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	165	168	AV02156	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	174	177	AV02157	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	188	182	AV02158	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	213	210	AV02159	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	240	243	AV02160	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	270	273	AV02161	0	0	0	0	0	0	0	0	0	0	0	0
MF12-30	297	300	AV02162	0	0	0	0	0	0	0	0	0	0	0	0

Assay Table

Hole_number	Depth_from	Depth_to	Sample_num	Cu_ppm_lab	Zn_ppm_lab	Pb_ppm_lab	Mn_ppm_lab	Co_ppm_lab	Ba_ppm_lab	F_ppm_lab	Y_ppm_lab
MF12-30	137	138	AV00001	0	0	0	0	0	0	0	0
MF12-30	141	143	AV00002	0	0	0	0	0	0	0	0
MF12-30	143	144	AV00003	0	0	0	0	0	0	0	0
MF12-30	144	146	AV00004	0	0	0	0	0	0	0	0
MF12-30	146	147	AV00005	0	0	0	0	0	0	0	0
MF12-30	158	160	AV00006	0	0	0	0	0	0	0	0
MF12-30	180	181	AV00007	0	0	0	0	0	0	0	0
MF12-30	198	170	AV00008	0	0	0	0	0	0	0	0
MF12-30	170	171	AV00009	0	0	0	0	0	0	0	0
MF12-30	171	173	AV00010	0	0	0	0	0	0	0	0
MF12-30	230	237	AV00011	0	0	0	0	0	0	0	0
MF12-30	250	258	AV00012	0	0	0	0	0	0	0	0
MF12-30	258	250	AV00013	0	0	0	0	0	0	0	0

LEGEND

10	DIABASE	6	SEDIMENTARY ROCKS
9	FELSIC INTRUSIVE ROCKS	4	FELSIC VOLCANIC ROCKS
8	INTERMEDIATE INTRUSIVE ROCKS	3	INTERMEDIATE VOLCANIC ROCKS
7	MAFIC INTRUSIVE ROCKS	2	MAFIC VOLCANIC ROCKS
6	ULTRAMAFIC INTRUSIVE ROCKS	1	ULTRAMAFIC VOLCANIC ROCKS

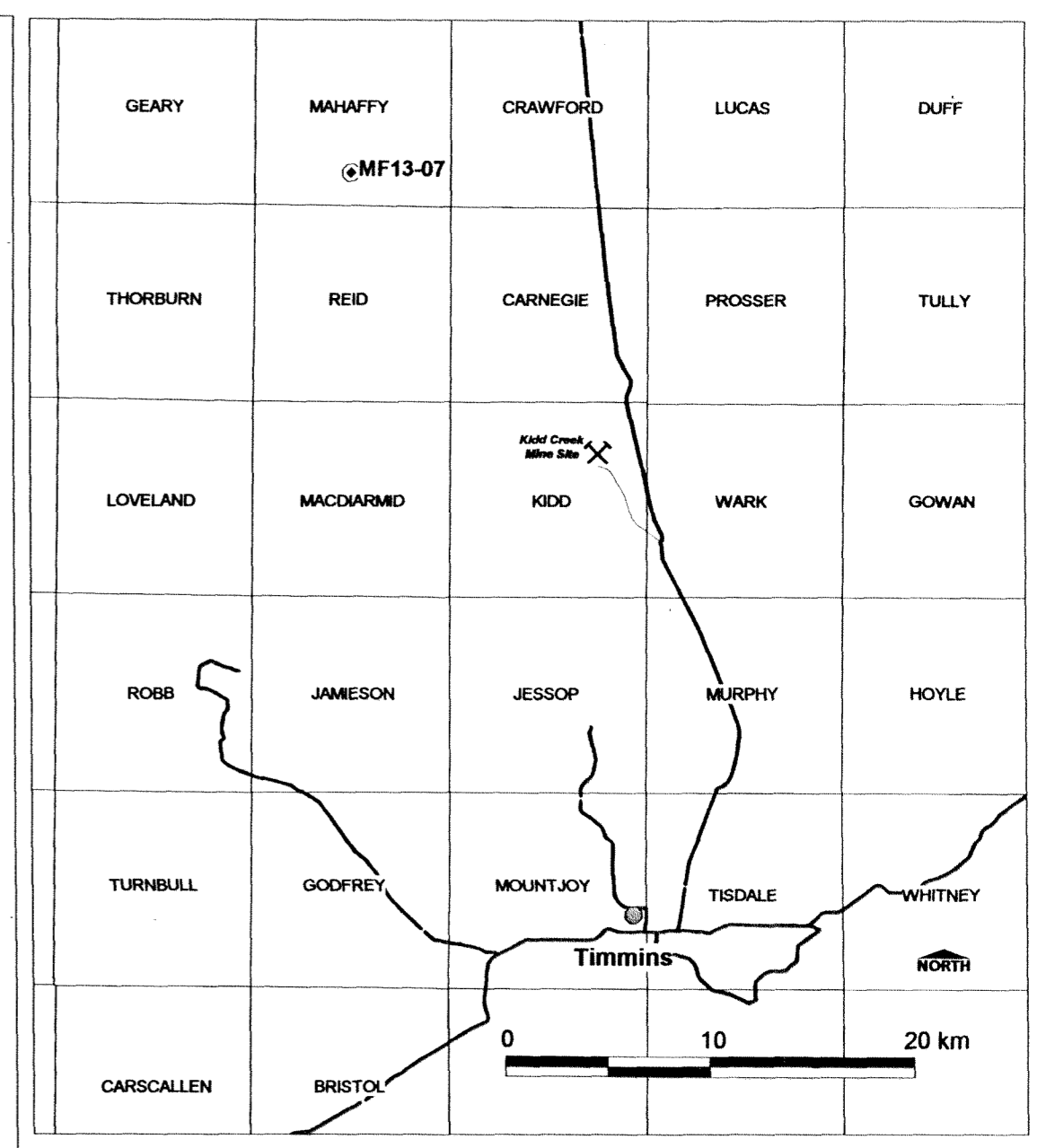
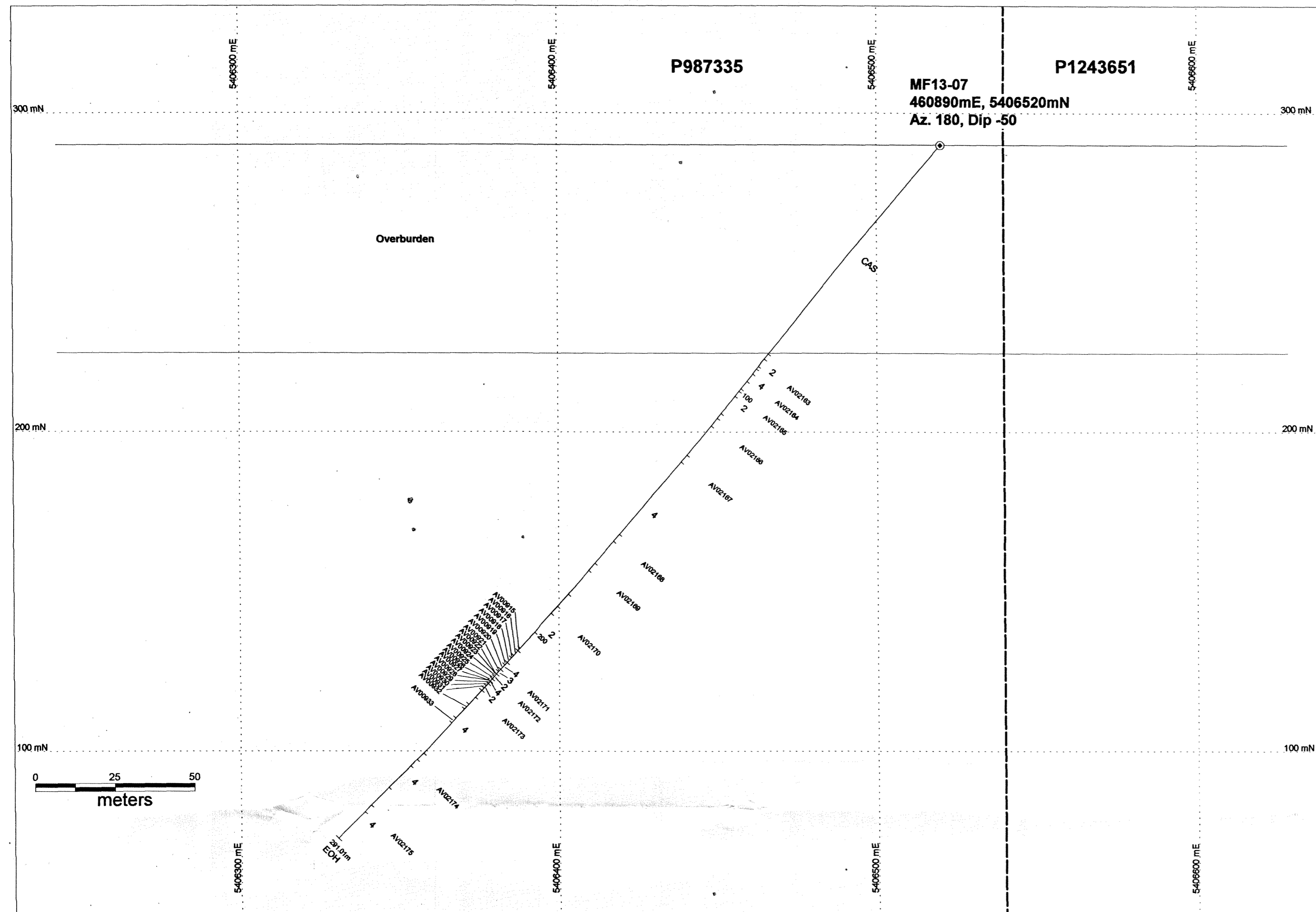
FALCONBRIDGE LIMITED
 Exploration Division Timmins, ONTARIO

FEZ Project
 Looking Az. 000 Mahaffy Township

Diamond Drill Section
 Drillhole MF12-30

TRACED : D.B.S.	DATE : 06/01	HTS :	PROJECT :
DRAWN : D.B.S.	DATE : 06/01	MAP No. :	FILE :
SUPERVISED :	DATE : 06/01	Scale : 1:1000	
REVISED :	DATE : 06/01		





WRA Table

Well_number	Depth_from	Depth_to	Sample_num	Shd_per_j	Thst_per_j	ADsh_per_j	Fchsh_per_j	Shss_per_j	Slgn_per_j	Csu_per_j	Hsh_per_j	ICsh_per_j	Flsh_per_j	Crsh_per_j	Lst_per_j	Bsm_per_j
MF13-07	87	86	AV02183	0	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	93	96	AV02184	0	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	96	102	AV02185	0	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	111	114	AV02186	0	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	126	128	AV02187	0	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	150	162	AV02188	0	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	171	174	AV02189	0	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	186	192	AV02170	0	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	213	216	AV02171	0	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	218	220	AV02172	0	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	225	228	AV02173	0	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	256	258	AV02174	0	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	276	278	AV02175	0	0	0	0	0	0	0	0	0	0	0	0	0

Well_number	Depth_from	Depth_to	Sample_num	Cr_ppm_lab	V_ppm_lab	Zr_ppm_lab	S_ppm_lab	Cu_ppm_lab	Zn_ppm_lab	Pb_ppm_lab	Mn_ppm_lab	Co_ppm_lab	Ni_ppm_lab	F_ppm_lab	V_ppm_lab
MF13-07	87	86	AV02183	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	93	96	AV02184	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	96	102	AV02185	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	111	114	AV02186	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	126	128	AV02187	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	150	162	AV02188	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	171	174	AV02189	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	186	192	AV02170	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	213	216	AV02171	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	218	220	AV02172	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	225	228	AV02173	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	256	258	AV02174	0	0	0	0	0	0	0	0	0	0	0	0
MF13-07	276	278	AV02175	0	0	0	0	0	0	0	0	0	0	0	0

Assay Table

Well_number	Depth_from	Depth_to	Sample_num	Cu_ppm_lab	Zn_ppm_lab	Pb_ppm_lab	Mn_ppm_lab	Co_ppm_lab	Ag_ppm_lab
MF13-07	207	208	AV00915	0	0	0	0	0	0
MF13-07	208	210	AV00916	0	0	0	0	0	0
MF13-07	210	211	AV00917	0	0	0	0	0	0
MF13-07	211	213	AV00918	0	0	0	0	0	0
MF13-07	213	214	AV00919	0	0	0	0	0	0
MF13-07	214	218	AV00920	0	0	0	0	0	0
MF13-07	216	217	AV00921	0	0	0	0	0	0
MF13-07	217	218	AV00922	0	0	0	0	0	0
MF13-07	218	218	AV00923	0	0	0	0	0	0
MF13-07	218	219	AV00924	0	0	0	0	0	0
MF13-07	219	226	AV00925	0	0	0	0	0	0
MF13-07	220	221	AV00926	0	0	0	0	0	0
MF13-07	221	221	AV00927	0	0	0	0	0	0
MF13-07	221	222	AV00928	0	0	0	0	0	0
MF13-07	222	223	AV00929	0	0	0	0	0	0
MF13-07	223	224	AV00930	0	0	0	0	0	0
MF13-07	224	225	AV00931	0	0	0	0	0	0
MF13-07	231	233	AV00932	0	0	0	0	0	0
MF13-07	237	239	AV00933	0	0	0	0	0	0

2, 27557

LEGEND

- 10 DIABASE
- 9 FELSIC INTRUSIVE ROCKS
- 8 INTERMEDIATE INTRUSIVE ROCKS
- 7 MAFIC INTRUSIVE ROCKS
- 6 ULTRAMAFIC INTRUSIVE ROCKS
- 5 SEDIMENTARY ROCKS
- 4 FELSIC VOLCANIC ROCKS
- 3 INTERMEDIATE VOLCANIC ROCKS
- 2 MAFIC VOLCANIC ROCKS
- 1 ULTRAMAFIC VOLCANIC ROCKS

FALCONBRIDGE LIMITED
Exploration Division Timmins, ONTARIO

FEZ Project
Looking Az. 000 Mahaffy Township

Diamond Drill Section
Drillhole MF13-07

TRACED : D.B.S.	DATE: 0601	NTS :	PROJECT :
DRAWN : D.B.S.	DATE: 0601	MAP No:	FILE :
SUPERVISED :	DATE: 0601	Scale: 1:1000	
REVISED:	DATE: 0601		

