GM 60342

GEOLOGICAL ASSESSMENT REPORT ON HAUT PLATEAU DE LA MANICOUAGAN, PROJECT 122, WORK PERFORMED 2001-2002

NTS: 22O/11 & 22O/12

GEOLOGICAL ASSESSMENT REPORT ON

Haut Plateau de la Manicouagan Project 122

Sept-Îles, Québec

Work Performed 2001-2002

Falconbridge Ltd.
Eastern North America Exploration
3296 Francis-Hughes Avenue
Laval, Quebec H7l 5A7

Prepared by:

Danielle Giovenazzo
Yves Boulianne
April 10, 2003

MRN-GÉOINFORMATION 2003

GM 60342

SUMMARY

This assessment report summarizes exploration work carried out over the Haut-Plateau de la Manicouagan property owned by Falconbridge Limited. The property is located 170 km NNW of Sept-Îles and 275 km NNE of Baie-Comeau on the north shore of St-Laurent Rivers in the Province of Québec. Work includes two drilling program, where a total of 1310 meters were drilled in 2001, by Falconbridge Ltd and 1771 meters were drilled in 2002 by a joint venture partner Rockwell Venture Inc.. Bradley Bros., from Rouyn-Noranda, Qc was contract out, for both campaign, to complete a helicoptere supported drilling program using a BBS-25 mobile drill. A 57.36 line-km of T.H.E.M. heliborne survey was flow in 2002, by T.H.E.M. Geophysics Inc., where data was process in house by Falconbridge personnel. Transportation to and from the property and drill moves were via an A-Star 350 BA helicopter contracted for the project from Les Hélicoptères Canadiens Ltd based out of Sept-Îles. Drill core of samples taken from the property were collected by Falconbridge geologists and sent to ITS-Chimitek-Bondar Clegg Laboratory in Val D'Or, Québec. A total expenditure of **$231,725.04** were spent on the project in 2001 and **$351,810.06** were spent in 2002 including **$14,085.02** associated to the T.H.E.M. airborne survey.

The combined 2001 and 2002 drilling program of three Ni-Cu-Co occurrences have confirmed their continuation to depth below their surface exposures. Diamond drilling at Barre de fer has substantiated the presence of multiple zones of brittle fracture-hosted Ni-Cu-Co-bearing massive sulphide breccia vein-type mineralization of a tenor similar to that mined in established nickel mining district. Additionally, broad zone of disseminated Ni-Cu-Co mineralization were intersect. The massive sulphide veins and disseminated mineralization are thought to be genetically related. Nickel grades of the disseminated sulphide in the norite are similar to that in the veins when back calculated to 100% sulphide veins. Exploration at Barre de Fer is at an early stage and much more drilling is warranted to establish the full extend and grade of the breccia veins zones. Disseminated Ni-Cu-Co mineralization hosted by norite and olivine gabbronorite is recognized to have bulk tonnage potential.

The overall data quality, concerning the T.H.E.M heliborne TEM survey, was within the specifications outlined. From the data acquired and declared in this assessment report, a total of 27 anomalies were outlined of which four were considered priority-one targets and six priority-two targets. Many of these targets are presently untested and hold potential for the discovery of new Ni-Cu sulphide mineralization in the Haut-Plateau area.

Table of contents

Page

SUMMARY i

TABLE OF CONTENTS ii

FIGURES, TABLES AND APPENDICES iii

SCOPE 1

LOCATION, ACCESS AND INFRASTRUCTURE 1

PHYSIOGRAPHY, TOPOGRAPHY AND VEGETATION 2

PROPERTY AND OWNERSHIP 4

PREVIOUS WORK 4

EXPLORATION PROGRAM 6

GEOLOGY 11

Regional geology 11
Property geology 12
Property Mineralization 14

DIAMOND DRILL HOLE, LOCATION & RESULT 14

Location 14
2001 Program 15
2002 Program 17

T.H.E.M. AIRBORNE SURVEY, LOCATION, INTERPRETATION & RESULT 19

Location 19
Interpretation & Result 20

CONCLUSIONS AND RECOMMENDATIONS 22

REFERENCES 23

FIGURES, TABLE AND APPENDICES

Page

LIST OF FIGURES

Figure 1: Project location map 1
Figure 2: Claim map of the Haut Plateau de la Manicouagan area. 4
Figure 3: Regional Geology 11
Figure 4: Property Geology 13
Figure 5: 2001 & 2002 Diamond drill hole location over the Haut-Plateau area. 15
Figure 6: Heliborne THEM Survey - Total Magnetic Field, Flight Path and EM Picks. 19

LIST OF TABLES

Table I: Summary of the property 3
Table II: Summary of exploration programs 6
Table III: Personnel and Contractors employed during the 2001 program 7
Table IV: Personnel and Contractors employed during the 2002 program 9
Table V: Statement of Expenditure 10
Table VI: 2001 Drill Program – DDH Location 16
Table VII: 2002 Drill Program – DDH Location 17
Table VIII: Summary of Drill Assay Results 18
Table IX: List of EM Anomaly Picks 21

APPENDICES

Appendix A: Falconbridge Ltd.- Drilling Program Report, 2001.
Appendix B: Rockwell Ventures Inc. - Drilling Program Report, 2002
Appendix C: T.H.E.M. helicopter-borne EM and Mag Report, 2002
Appendix D: Drill Hole Log

SCOPE

This report summarizes the results of exploration programs carried out in 2001and 2002 on Haut Plateau de la Manicouagan Project 122, in the Mt. Groulx area, north of Sept-Îles. Over the entire Falconbridge *Haut Plateau property*, a total off 47 claims are directly sight on by an airborne survey flown in 2002 and by two drilling campaign completed in 2001 & 2002.

LOCATION, ACCESS AND INFRASTRUCTURE

The property is located 170 km NNW of Sept-Îles and 275 km NNE of Baie-Comeau on the North shore of the St-Lawrence River in the Province of Quebec. The area is located in the township of Villery (NTS 22O/11) and Forgues (NTS 22O/12) at latitude 51°64′N and longitude 67°34′W. The area is part of the mining district of Cote Nord/Nouveau-Quebec administered from Sept-Îles.

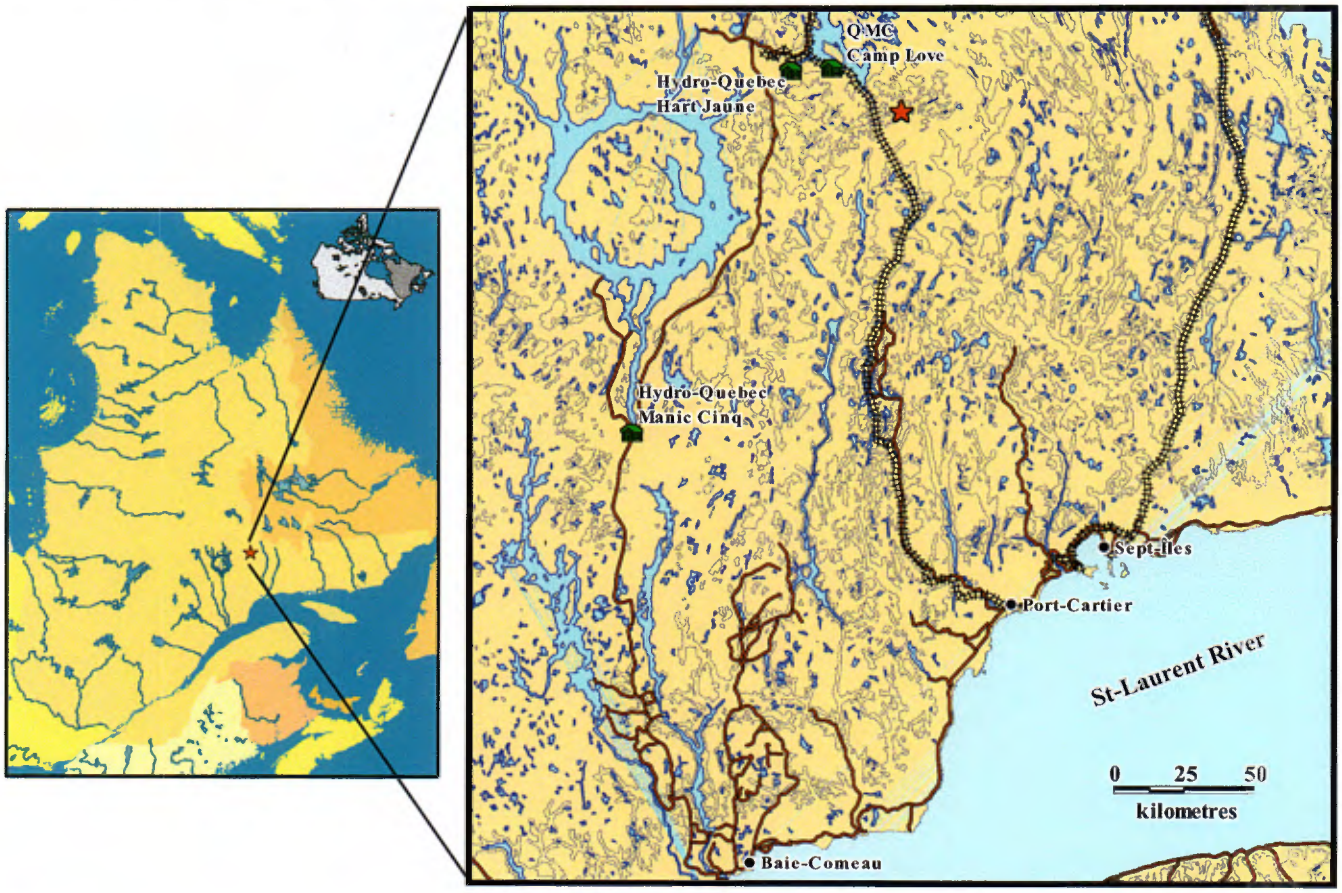


Figure 1: *Project location map.*

Route 389 is an all weather road connecting Baie-Comeau to Fermont to Labrador City. It is paved up to Hydro-Quebec Manic 5 power plant. A gravel road maintained by Hydro-Quebec to access their Hart Jaune power station intersects to the East route 389 at kilometre 390. This road extends for 50 km to QMC railway maintenance camp on the West shore of Petit Lac Manicouagan. The Quebec Cartier Mining railroad connecting Fermont to Port-Cartier winds along the West bank of the North-East Toulnustouc River and it is used to haul iron ore from QCM Mount Wright deposits to QMC docking facilities at Port-Cartier. Port-Cartier is a major seaport on the St-Lawrence River. Hydro-Québec Hart Jaune power station is a small power plant located 35km to the NW of the property. The property is only accessible by floatplane and helicopter.

PHYSIOGRAPHY, TOPOGRAPHY AND VEGETATION

The Haut Plateau Est Project is part of the distinctive geographic and topographic feature of the Haut Plateau de la Manicouagan. The Haut Plateau de la Manicouagan forms a rectangular plateau 80 km long by 50 km wide characterized by a series of rounded summits averaging an altitude of 3000 feet. It includes the mountain range of the Monts-Groulx with tops culminating over 3000 feet in the property area. The Plateau is dissected by numerous linear valleys at the bottom of which flow rivers and streams. The area is also characterized by a very high number of lakes but with somewhat of smaller dimensions. In the property area, drainage is to the west into the North-East Toulnustouc River to the South of the Petit Lac Manicouagan.

Tundra type vegetation characterizes the tops of the mountain range and taiga type vegetation can be found down in the valleys.

Table I

Summary of the property

Project 122, Haut Plateau Manicouagan, Sept-Iles, Qc

Claim No.	Number of claim	Total Area (ha)	Issuance Date	Assessment Years	Good Standing
CDC 1012338 - 1012356	19	1016.03	4/25/2003	1st	4/24/2003
CDC 1017526 - 1017531	6	321.02	5/13/2003	1st	5/12/2003
CDC 1013345 - 1013424	135	7209.71	6/21/2003	1st	6/20/2003
CDC 1013963 - 1014002					
CDC 1021885 - 1021899					
CDC 1013652 - 1013691	120	6418.17	6/22/2003	1st	6/21/2003
CDC 1013696 - 1013725					
CDC 1013754 - 1013763					
CDC 1014145 - 1014184					
CDC 1012357 - 1012368	32	1708.69	7/11/2003	1st	7/10/2003
CDC 1014202 - 1014221					
CDC 1016400 - 1016439	108	5767.34	7/18/2003	1st	7/17/2003
CDC 1024944 - 1025011					
CDC 1025051 - 1025170	320	17091.29	7/19/2003	1st	7/18/2003
CDC 1025197 - 1025236					
CDC 1025239 - 1025398					
CDC 1025437 - 1025516	80	4265.94	7/24/2003	1st	7/23/2003
CDC 1026454 - 1026549	96	5131.61	8/21/2003	1st	8/20/2003
CDC 1026172 - 1026186	15	800.44	8/27/2003	1st	8/26/2003
CL 5196029 - 5196049	21	323.05	9/3/2003	3rd	9/2/2005
CL 5189937 - 5189940	4	65.55	9/7/2003	3rd	9/6/2005
CDC 1041616 - 1041637	22	1173.58	12/5/2003	1st	12/4/2003
CDC 1042140 - 1042259	292	15588.59	12/13/2003	1st	12/12/2003
CDC 1042370 - 1042391					
CDC 1042411 - 1042450					
CDC 1042455 - 1042494					
CDC 1042498 - 1042537					
CDC 1042540 - 1042569					
CDC 1042327 - 1042366	281	15011.17	12/17/2003	1st	12/16/2003
CDC 1042570 - 1042609					
CDC 1042621 - 1042624					
CDC 1042759 - 1042874					
CDC 1042876 - 1042956					
CL 5196069 - 5196074	6	96.63	3/12/2004	3rd	3/11/2004
CL 5068523 - 5068525	6	94.88	9/9/2004	6th	9/8/2004
CL 5068563 - 5068565					
Total	**1563**	**82083.69**			

PROPERTY AND OWNERSHIP

The Haut Plateau property, encompassing 82,084 hectares, comprises 1,563 mineral claims. These claims comprise 1,526 map designated claims (1,504 hectares) recorded as Haut Plateau de la Manic and Haut Plateau; 6 ground staked claims (95 hectares) recorded as Petit Lac Manicouagan under PN112; 31 ground staked claims (485 hectares) recorded as Forgues under PN131. The 1,526 map designated claims have a specific map designated area. Ground staked claims have not been surveyed to determine exact location. Falconbridge Limited holds all claims 100%. Work report filing dates and information on the claims are summarized in Table I.

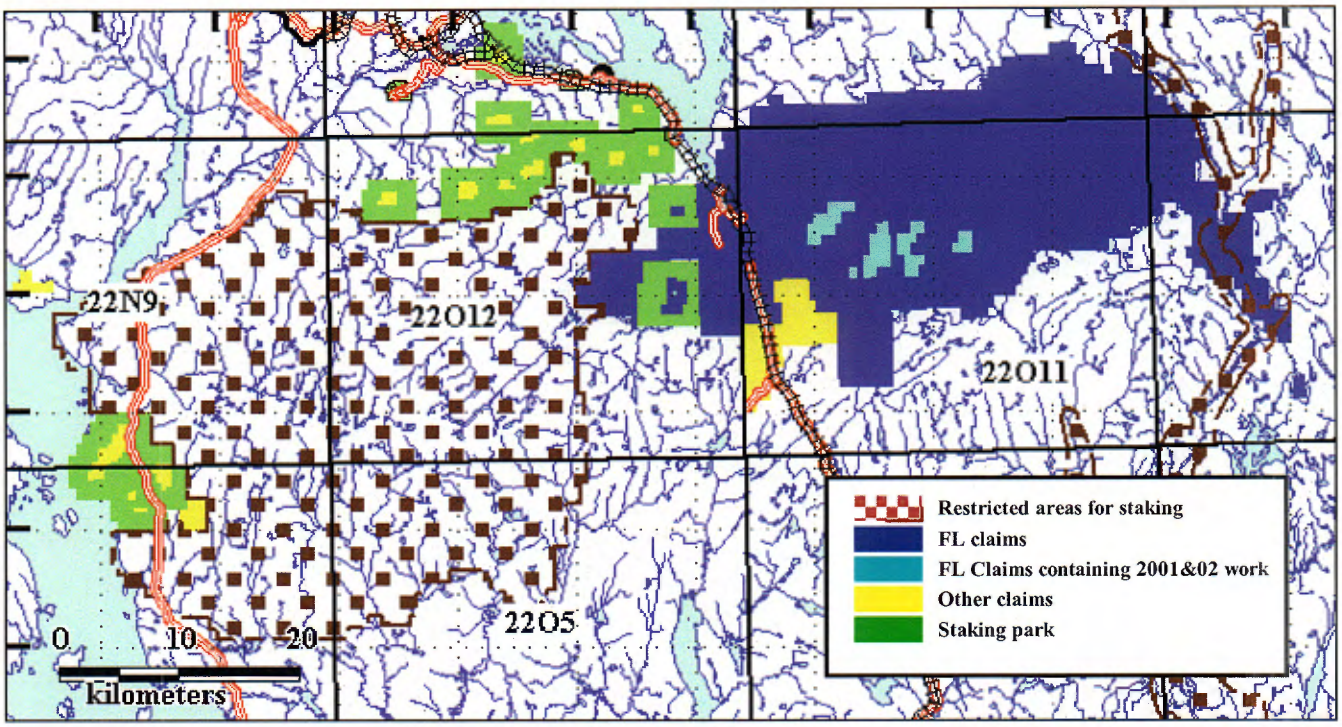


Figure 2: *Claim map of the Haut Plateau de la Manicouagan area.*

PREVIOUS WORK

The property area has seen very little exploration work except for regional 250 000 and 50 000 scale mapping programs undertaken by the MRNQ. Lake sediment samples were taken on the property in 1977 and 1987 by SOQUEM and MRNQ respectively as part of regional lake sediment sampling programs. SOQUEM ground checked one magnetic anomaly taken from the federal aeromagnetic compilation.

In the early 90's Falconbridge Limited undertook detailed compilation work over the entire Haut Plateau de la Manicouagan area. Reconnaissance mapping was completed over the entire Manicouagan metamorphic complex. More the 800 km of geological traverses were completed and some 25 geophysical airborne anomalies were ground investigated. Lithogeochemical sampling of the entire gabbroic granulite and gabbroic intrusions was also carried out in order to establish stratigraphical relationship and geological environment. More than 12 intrusive bodies were of gabbroic types were identifies, including Haut Plateau Est. In 1998-1999 Falconbridge completed 3,146 line-km of helicopter-borne magnetic and time domain electromagnetic THEM survey. Follow-up prospecting in 1999 of THEM conductors using VLF-EM and BeepMat led to the discovery of three new Ni-Cu-Co occurrences. In 2000, 83 line-km of gridding over the PYC-Barre de Fer occurrences was surveyed by magnetometer and UTEM to establish drill targets.

In April and May 2001, Falconbridge drilled seven BQ core holes totaling 1310 m to test the Forgues (one hole 98 m), PYC (one hole) and Barre de Fer(BDF, 5 holes) zones. In October 2001, geophycist Paul Lortie conducted an integrated interpretation and conductor prioritization of the five airborne electromagnetic and magnetic surveys, totaling 4,666 line-km, carried out in the Haut Plateau for Falconbridge. He identified 115 anomalies as potential targets with 17 classified as first priority for follow-up.

In October 2001, HDGI optioned the Haut-Plateau Project for Falconbridge and in November 2001 assigned their option to Rockwell Ventures Inc. During March and April 2002, Rockwell Venture Inc. undertook a diamond drilling program to test the extend and continuity of Barre de fer Ni-Cu-Co occurrence. Seven BQ hole, 2001 to 2007 were drilled and Falconbridge's hole 151-05 was extended for a total of 1771 m.

Finally, between May 12 and June 1, 2002 an electromagnetic survey was flown over the Haut Plateau property just to the east of Lac Manicouagan by T.H.E.M. geophysics Inc. on behalf of Hunter Dickinson. A total of 1564 line-km of data were collected.

EXPLORATION PROGRAM

Table II
Summary of exploration programs
Project 122, Haut-Plateau de la Manicouagan, Sept-Îles, Qc

Years	Drilling (meters)	Economics Samples	Whole Rock Samples	Density Samples	Airborne Survey (Line-Km)
2001	1310	326	58	44	--------
2002	1771	307	--------	--------	1564

2001 Falconbridge Limited carried out a drilling program from April 21, 2001 to May 23 2001. Bradley Bros. from Rouyn-Noranda Qc was contracted for the drilling operation. Personnel were based at Hydro-Québec Hart-Jaune power station facilities. Transportation to and from the property and drill moves were via an A-Star 350 BA helicopter contracted for the project from Les Hélicoptères Canadiens Ltd based out of Sept-Îles. The original 500 meters drill program was extended and an extra 810 meters was added, totalizing finally 1,310 meters of core drilling. Seven diamonds drill hole were completed on the Forgues, Barre de Fer and PYC Showings. Bradley Bros. used a helicopter mobile drill with BQ (3.65 cm) coring capacity. Productivity rates were adequate and core recoveries were good. Drill core of samples taken from the property were collected by Falconbridge geologists and sent by airfreight to ITS-Chimitek-Bondar Clegg Laboratory in Val D'Or, Québec. A total of 58 man-days of work were performed by Falconbridge crew to conduct the drilling program and total expenditure of **$231,725.04** (Table V) were spent on the project.

2002 In October 2001, HDGI optioned the Haut-Plateau Project for Falconbridge and in November 2001 assigned their option to Rockwell Ventures Inc. During March and April 2002, Rockwell Venture Inc. undertook a diamond drilling program to test the extend and continuity of Barre de fer Ni-Cu-Co occurrence. Bradley Bros. from Rouyn-Noranda Qc was contracted for the drilling operation. Personnel were based at temporary camp along

Table III

Personnel and Contractors employed during the 2001 program

Project 122, Haut-Plateau Manicouagan, Sept-Îles, Qc

FALCONBRIDGE PERSONNEL

Name	Address	Dates Worked	Total man-days	Work Done
François Thibert	Montreal, Qc	Apr.19 to May 24, 2001	36	Plan & Supervision
Yves Boulianne	Rosemère, Qc	Apr.19 to May 10, 2001	22	Logging & others
		Total 58 man-days		

CONTRACTORS

Name	Address	Dates Worked	Work Done
Chimitec-Laboratory	Val D'Or, Qc	May to June, 2001	Analytical Services
Hydro-Québec	Trois-Rivière, Qc	Apr. 21 to May 23, 2001	Lodging
Canadian Helicopters Ltd	Sept-Îles, Qc	Apr. 21 to May 23, 2001	Aerial Transport
Bradley Bros. Ltd	Rouyn-Noranda, Qc	Apr. 21 to May 23, 2001	Drilling

the eastern edge of Petit Lac Manicouagan, built and keep up by Bradley Bros. for the drilling program. Transportation to and from the property and drill moves were via an A-Star 350 BA helicopter contracted for the project from Les Hélicoptères Canadiens Ltd based out of Sept-Îles. Seven BQ hole, 2001 to 2007 were drilled and Falconbridge's hole 151-05 was extended for a total of 1771 m. Bradley Bros. used a helicopter mobile drill with BQ (3.65 cm) coring capacity. Productivity rates were adequate and core recoveries were good. Drill core of samples taken from the property were collected by Falconbridge geologists (hired by Rockwell) and sent by ground freight to ITS-Chimitek-Bondar Clegg Laboratory in Val D'Or, Québec. A total of 131 man-days of work were performed by Rockwell crew to conduct the drilling program and total expenditure of **$337,725.04** (**Table V**) were spent on the project.

A helicopter-borne magnetic and time-domain electromagnetic survey was carried out during the period from May 12 to June 1, 2002. This 1564 line-km survey was conducted by T.H.E.M. Geophysics Inc. from Chelsea, Quebec on behalf of Hunter Dickinson. Personnal were based at a temporary camp along the eastern edge of Petit Lac

Manicouagan, located adjacent to the survey area and built up for a drilling program, was used as a base of operation to fly the survey. The data was processed in house by Falconbridge Limited staff. 5.61% of the entire T.H.E.M. survey cost is eligible for the actual declared area for a total expenditures of **$14,085.02 (Table V)**.

Table IV

Personnel and Contractors employed during the 2002 program
Project 122, Haut-Plateau Manicouagan, Sept-Îles, Qc

Drilling Program
ROCKWELL VENTURE Inc. PERSONNEL

Name	Address	Dates Worked	Total man-days	Work Done
Mark Rebagliati	Vancouver, BC	April 02 to April 15, 2002	14	Plan & Supervision
Richard Haslinger	Vancouver, BC	March 08 to April 15, 2002	39	Plan & Supervision
David Gunt	Vancouver, BC	March 08 to April 15, 2002	39	3D- modelisation
Yves Boulianne	Rosemère, Qc	March 08 to April 15, 2002	39	Logging & others
		Total 131 man-days		

CONTRACTORS

Name	Address	Dates Worked	Work Done
Chimitec-Laboratory	Val D'Or, Qc	April to May, 2002	Analytical Services
Canadian Helicopters Ltd	Sept-Îles, Qc	March 08 to April 15, 2002	Aerial Transport
Bradley Bros. Ltd	Rouyn-Noranda, Qc	March 08 to April 15, 2002	Drilling

Airborne Program
***FALCONBRIDGE** PERSONNEL*

Name	Address	Dates Worked	Total man-days	Work Done
Tony Watts	Toronto, Ont	----------	1	Supervision
Richard Osmond	Québec	----------	8.5	Geophysical Interpretation
Warren Hughes	Québec	----------	32	Field Supervision
Isabelle Dumas	Québec	----------	9	Field Supervision
	Total		**50.5 man-days**	

CONTRACTORS

Name	Address	Dates Worked	Work Done
T.H.E.M. Geophysics Ltd.	Chelsea, Qc	May 12 to June 1, 2002	Helicopter-borne survey
Heli-Express	Ste-Foy, Qc	May 12 to June 1, 2002	Aerial Transport

Table V

Statement of Expenditure

Project 122, Haut Plateau Manicouagan, Sept-Îles, Qc

		2001	2002
Drilling			
	Field Supplies	$ 679.00	$ 1,579.87
	Telecommunication	$ 574.90	$ 527.00
	Equipment Location	$ -	$ 2,300.00
	Ground Transportation	$ 1,124.52	$ 3,696.10
	Food & Lodging	$ 42,715.23	$ 70,350.41
	Core Analysis - Chimitec (Invoice)	$ 12,271.80	$ 5,344.15
	Shipping	$ 773.14	$ 667.54
	Aerial Transportation	$ 68,754.95	$ 91,987.99
	Diamond Drilling & Salaries	$104,831.50	$ 161,429.83
	Sub-Total	**$231,725.04**	**$ 337,882.89**
Airborne Survey	*(cost represent only the 5.61% survey area declared)*		
	Supervision & Interpretation		$ 759.19
	Telecommunication		$ 171.58
	Transport (ground & aerial)		$ 192.44
	Food & Lodging		$ 3,546.74
	Survey		$ 7,899.76
	Mob-Demod		$ 841.83
	Stanby		$ 673.47
	Sub-Total		$ 14,085.02
	Total Work Expenditure (2001 & 2002)		**$583,692.95**

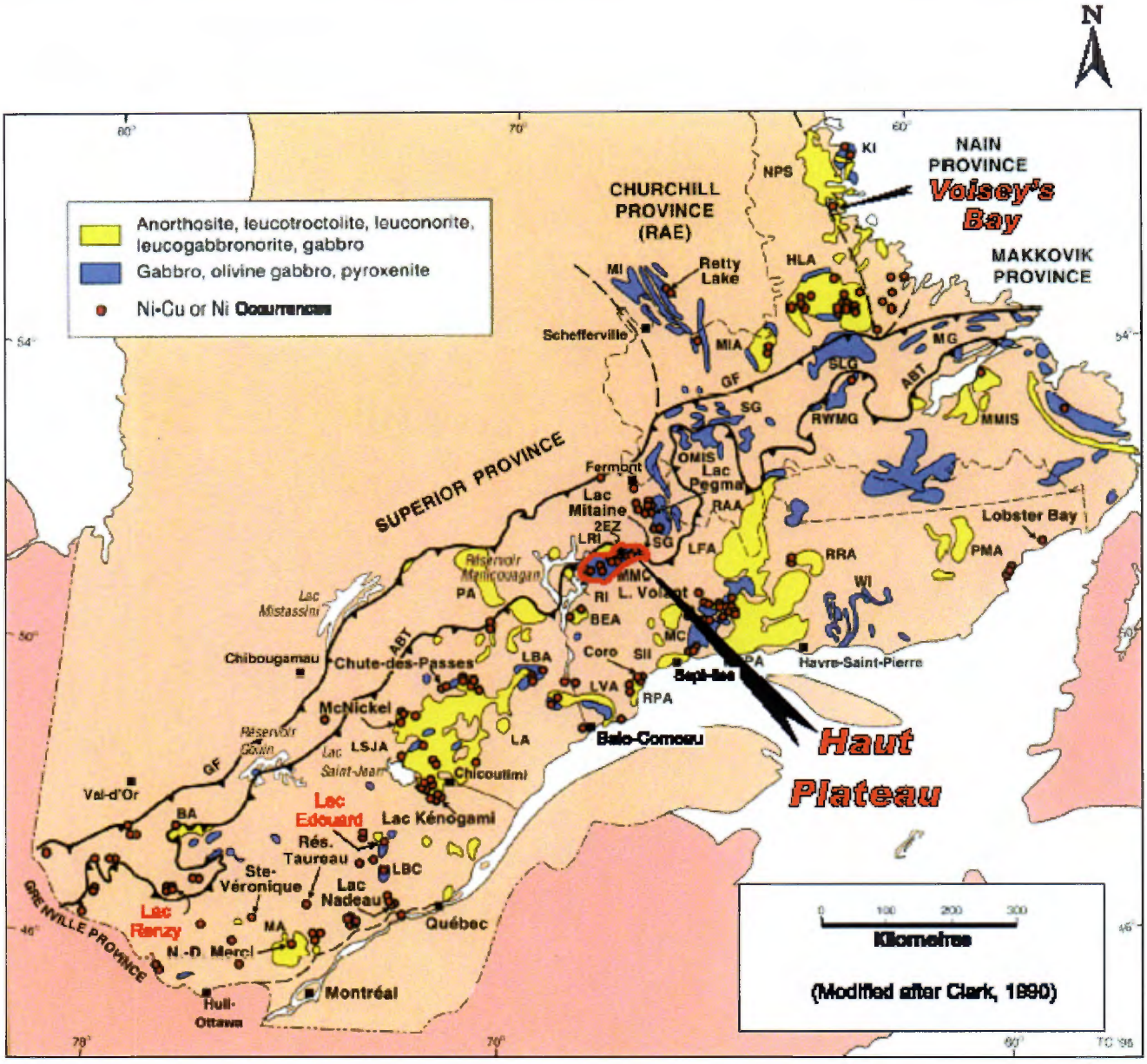


Figure 3: *Regional Geology*

GEOLOGY

Regional Geology

More than 100 Ni-Cu prospects with variable Co and PGE contents occur in the Quebec part of the Grenville Province and in adjacent Labrador (Figure 4; Clark, 1998). These occurrences of Ni-Cu-Co-PGE mineralization are mainly associated with mafic and ultramafic rocks, and anorthositic massifs that have a wide range of ages and occur in various tectonic settings and geochronologic frameworks.

Deposits of Ni-Cu in the Grenville Province were mined at Renzy Lake and Edouard Lake during the 1970's.

The Haut Plateau de la Manicouagan comprises all of the Hart Jaune terrane that is zone located within the Allotochtonous Belt of the Grenville Province. It consists of predominantly granulite-facies metagabbroic rocks and intruded by coronitic Fe-Ti gabbros, with subordinate calc-silicates and metapelites. Rocks of the Hart-Jaune terrane experienced an early stage of largely garnet-free, granulite-facies metamorphism and a later granulite-facies overprint in which garnet developed in some rocks. Geochronological studies provided support for their polymetamorphic character, with the earlier metamorphism dated at ca. 1470 Ma (Pinwarian) and the later metamorphic overprint dated at 989 Ma.

Property Geology

The Manicouagan metamorphic complex, a 50 by 100 kilometer complex within the Grenville tectonic province, is mostly granulitic gabbro, orthogneiss and paragneiss intruded by gabbroic, ultramafic and anorthositic bodies. Regional metamorphism is in the granulitic facies with local retrogression to the upper amphibolite facies. The known mineralization is associated with gabbroic intrusions called the Toulnustouc massif (Forgues & Petit Lac Manicouagan area) and Gabbro East (Haut-Plateau Est area) intrusion that host the nickel prospects discovered by Falconbridge. The Haut Plateau Est area, where drilling has taken place, is mostly underlain by different types of coronitic gabbronorites intruded in paragneiss. Mafic and ultramafic lithologies of this area were recognized as part of these late intrusive suites. The most interesting known Ni-Cu sulfide mineralization found on the property appears to be associated with those late intrusion lithologies.

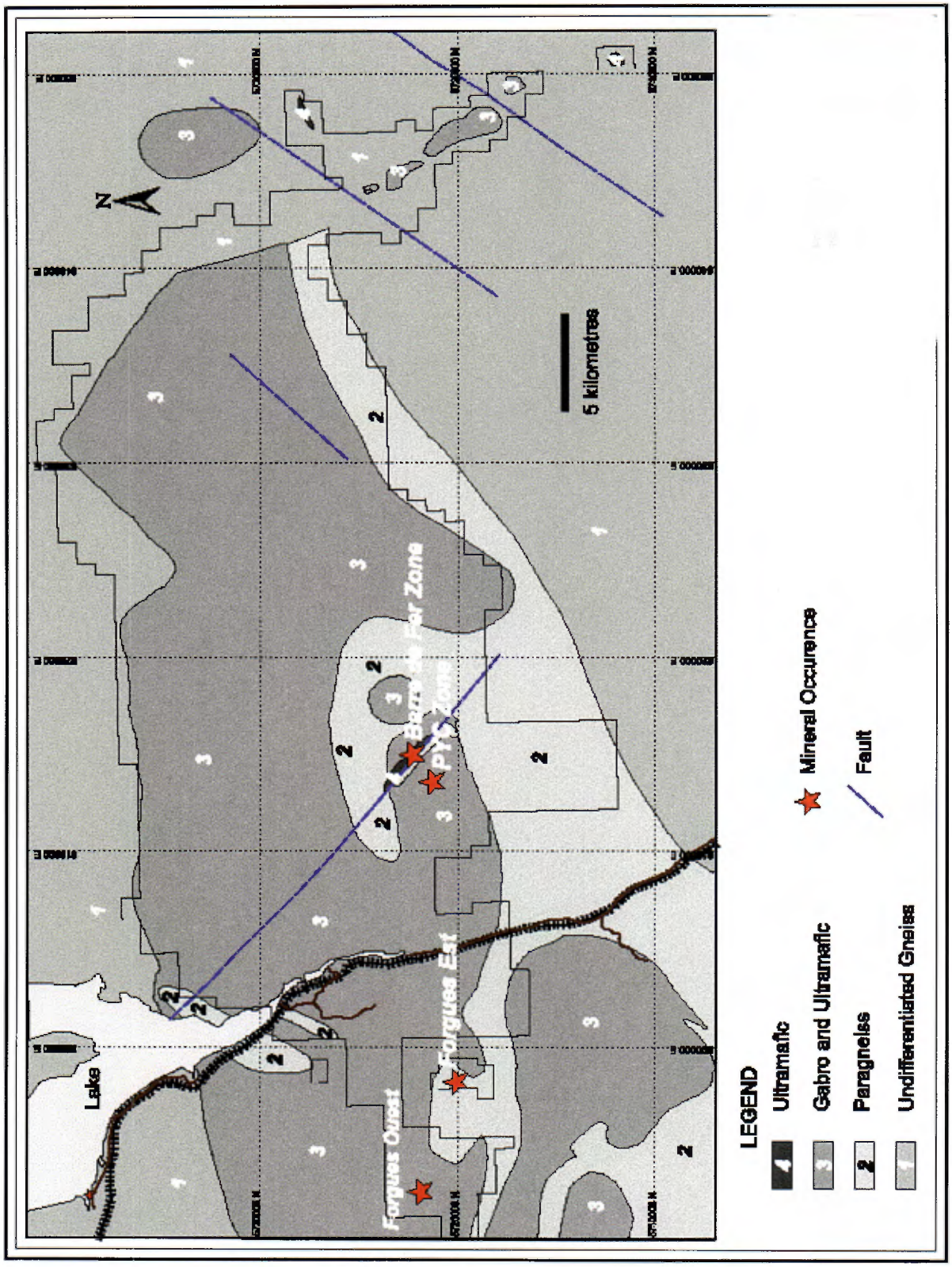


Figure 4: *Property Geology*

Property Mineralization

Throughout the Haut Plateau de la Manicouagan, magmatic Ni-Cu-Co mineralization is associated with various mafic and ultramafic units. This mineralization occurs as disseminations, net textured accumulations, massive sulfides, sulfide-dominated breccias and as discordant semi-massive to massive sulfide veins and massive sulfide breccia vein. All of these forms of mineralization occur collectively at the Forgues, PYC and Barre de Fer prospects.

Best assay result at West Gabbro (Forgues Intrusion) included one grab sample grading 1.11% Ni, 0.9% Cu and 0.2% Co, and channel sample averaging 1.79% Ni, 0.18% Cu over 0.35 m. At the Barre de Fer Showing within the Gabbro Est intrusion, mineralization was found from a single pit dug on a 160 meters long VLF conductor coincident with a THEM anomaly where massive sulfide lens returned average value of 1.67% Ni, 1,04% Cu and 0.17% Co.

DIAMOND DRILL HOLE, LOCATION & RESULT

Location

The drilling program took place at two different locations within the Haut Plateau Est intrusion area and at one location within the Forgues intrusion. Hole 131-01 is located in the area of the Ni-showing Forgues, hole 151-03 is located in the area of the Ni-showing PYC and all others were drilled around the Barre de Fer Ni-showing.

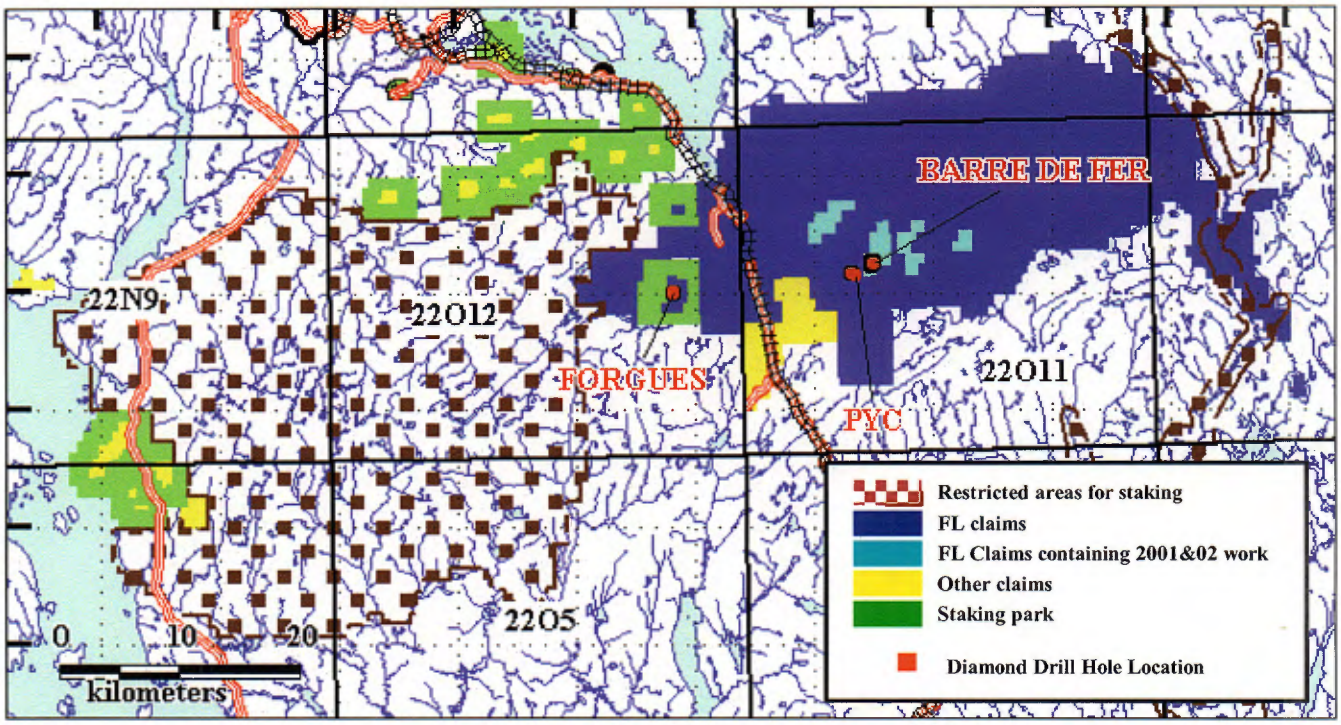


Figure 5: *2001 & 2002 Diamond drill hole location over the Haut-Plateau area.*

2001 The objective of the 2001 diamond drill program was to test UTEM ground geophysical targets to assess the economic potential of Barre de Fer Ni-Cu-Co occurrence by determining the character, tenor, strike, dip and continuity along the ground conductor strike. To achieve this holes were drilled over the higher and thicker part of the conductor outlined by the 2000 UTEM survey. All those holes are associated to a high magnetic except hole 151-03 where its highest conductivity is located between two high-rounded anomalies. There is one more hole drilled on the Forgues project area (PN-131), the objective was to test the grade and thickness of the Ni occurrence over a Max-Min (HLEM) conductor found in 1998.

Table VI

2001 Drill Program – DDH Location

Project 122, Haut Plateau Manicouagan, Sept-Îles, Qc

Hole	Zone	Claim No.	UTM East (m)	UTM North (m)	Azimuth	Dip	Length (m)
131-01	Forgues	CL 5196031	598225.00	5720007.00	N282	-50	98
151-01	Barre de Fer	CDC 1026493	614856.84	5722497.09	N231	-70	200
151-02	Barre de Fer	CDC 1026493	614843.93	5722618.06	N231	-70	164
151-03	PYC	CDC 1026475	613245.00	5721734.00	N231	-50	80
151-04	Barre de Fer	CDC 1026493	614935.00	5722558.00	N231	-70	287
151-05	Barre de Fer	CDC 1026493	614922.49	5722680.84	N231	-70	180
151-06	Barre de Fer	CDC 1026493	614850.10	5722723.37	N231	-70	301

Results

The drilling into the Forgues intrusion (131-01) intercept the HLEM conductor at 59.1 meters and gave 6.25 meters of low grade massive sulphides lens into a granulitic gabbro. Those sulphides are considered to be remobilized, several thinner vein and disseminated sulphides are observe each side of it and does not return any better value.

Diamond drilling at both PYC (1 ddh, 80m) and Barre de Fer (5 ddh, 1,132m) Showings confirmed their continuation to depth below their surface exposures.

At Barre de Fer, three holes intersected massive sulfide breccia veins containing many mafic to ultramafic clasts are hosted by a late olivine-gabbro, gabbro-gabbronorite-peridotite assemblage over a north-south strike length of 220 meters, dipping 30 to 35° to the northeast. DDH 151-01 intersected two sulfides zones which assayed 1.47% Ni over 3.75 meters and 1.58% Ni over 5.8 meters, including 2.63% over 2.5 meters. DDH-02, located 120 meters to the north, intersected 1.48% Ni over 9.4 meters, including 2.14% Ni over 2.85 meters. DDH 151-06, located 100 meters north of DDH 151-02 intersected a significant thickness of primary disseminated sulfide in a norite body, averaging 0.56% Ni over 28.6 meters.

At the PYC prospect, diamond drill hole 151-03, targeted at the granulitic gabbro, intersected a 15.3m interval of disseminated to semi-massive sulfide mineralization grading 0.28% Ni, 0.14% Cu and 0.06% Co. Mineralization coincides with an 800 meter long THEM conductor.
The program has found the presence of multiple zones of brittle fracture-hosted Ni-Cu-Co bearing massive sulfides breccia vein-type mineralization of tenors similar to their surface expression. Onto the Barre de Fer area disseminated Ni-Cu-Co mineralization hosted by norite is recognized to have bulk tonnage potential. In this regard the PYC zone also warrants assessment. For more detail consult the **Appendix A**.

2002 Rockwell Venture Inc. undertook a diamond drilling program to establish the character, tenor, strike, dip and continuity along strike and down dip of the massive sulphide breccia vein encountered by Falconbridge in 2001. Seven BQ holes, 2001 to 2007 were drilled and Falconbridge hole 151-05 was extended for a total of 1771 m.

Table VII

2002 Drill Program – DDH Location

Project 122, Haut Plateau Manicouagan, Sept-Îles, Qc

Hole	Zone	Claim No.	UTM East (m)	UTM North (m)	Azimuth	Dip	Length (m)
2001	Barre de Fer	CDC 1026493	614823.24	5722601.80	N231	-45	198
2002	Barre de Fer	CDC 1026493	614850.68	5722557.28	N231	-75	186
2003	Barre de Fer	CDC 1026493	614855.93	5722496.59	N231	-45	129
2004	Barre de Fer	CDC 1026475	614881.40	5722592.40	N231	-70	263
2005	Barre de Fer	CDC 1026493	614926.72	5722619.10	N231	-70	302
2006	Barre de Fer	CDC 1026493	614847.06	5722671.06	N231	-70	203
2007	Barre de Fer	CDC 1026493	614807.76	5722691.51	N231	-70	197
151-05ex	Barre de Fer	CDC 1026493	614922.49	5722680.84	N231	-70	293

Result

The program have confirmed strong grade in the massive sulphide breccia vein and continuity of the mineralization in brittle fracture zones over 200m strike length. Additionally, broad zone of disseminated Ni-Cu-Co mineralization were intersect. The massive sulphide veins and

disseminated mineralization are thought to be genetically related. Nickel grades of the disseminated sulphide in the norite are similar to that in the veins when back calculated to 100% sulphide veins. For more detail consult the **Appendix B**.

Table VIII

Summary of Drill Assay Results

Project 122, Haut Plateau Manicouagan, Sept-Îles, Qc

Hole	From (m)	To (m)	Interv (m)	Ni (%)	Cu (%)	Co (%)
131-01	59.10	60.15	1.05	0.58	0.08	0.12
	61.35	62.05	0.70	0.55	0.28	0,11
	63.95	64.35	0.40	0.83	0.17	0.16
	64.85	65.35	0.50	0.58	0.34	0.11
151-01	19.00	24.80	5.80	1.12	0.27	0.09
incl.	19.85	22.30	2.45	1.82	0.23	0.14
	94.60	100.40	5.80	1.47	0.58	0.12
incl.	95.40	97.90	2.50	2.39	1.14	0.20
151-02	65.55	74.95	9.40	1.48	0.66	0.11
incl.	65.55	68.40	2.85	2.02	1.05	0.16
151-03	29.60	44.90	15.30	0.28	0.14	0.06
151-04	175.80	204.40	28.60	0.53	0.27	0.04
151-05	367.50	371.75	4.25	0.30	0.13	0.03
	386.90	394.90	8.00	0.22	0.09	0.02
	400.40	444.70	44.30	0.34	0.15	0.03
151-06	189.70	200.10	10.40	1.32	0.51	0.09
2001	11.45	13.10	1.65	1.00	0.19	0.08
	153.60	157.10	3.50	1.21	0.54	0.10
2002	37.40	43.60	6.20	1.71	0.42	0.12
incl.	39.45	43.60	4.15	2.34	0.54	0.17
incl.	40.30	43.60	3.30	2.68	0.29	0.19
	46.00	53.25	7.25	0.73	0.31	0.05
incl.	46.00	50.50	4.50	0.96	0.35	0.07
	98.90	103.90	5.00	0.90	0.33	0.07
	141.65	149.05	7.40	1.71	1.11	0.12
incl.	141.65	146.00	4.35	1.40	0.68	0.10
incl.	143.15	146.00	2.85	1.95	0.53	0.14
incl.	146.70	149.05	2.35	2.76	2.19	0.20
2003	86.60	88.60	2.00	2.46	0.66	0.18
2004	86.00	87.75	1.95	2.48	0.62	0.17
	110.65	114.10	3.45	2.46	0.41	0.17

	144.80	147.35	2.55	1.00	0.66	0.08
Hole	**From (m)**	**To (m)**	**Interv (m)**	**Ni (%)**	**Cu (%)**	**Co (%)**
incl.	144.80	146.30	1.50	1.48	0.17	0.11
incl.	145.90	147.35	1.45	0.74	1.00	0.06
	165.50	171.45	5.95	2.74	0.86	0.20
2005	200.70	205.75	5.05	0.60	0.27	0.04
	219.85	226.40	6.55	0.24	0.11	0.02
2006	31.15	45.50	14.35	0.59	0.30	0.04
incl.	31.15	39.70	8.55	0.70	0.31	0.05
incl.	31.95	32.80	0.85	1.57	1.16	0.11
incl.	35.50	37.90	2.40	1.05	0.14	0.08
	70.20	72.60	2.40	1.02	0.20	0.07

T.H.E.M. AIRBORNE SURVEY, LOCATION & RESULT

Location

Figure 6 show the location of the THEM survey flown over the Haut Plateau property in 2002. The center of the survey area was located approximately 300 kms north of Baie Comeau, Quebec and 65 kms to the east of Lac Manicouagan.

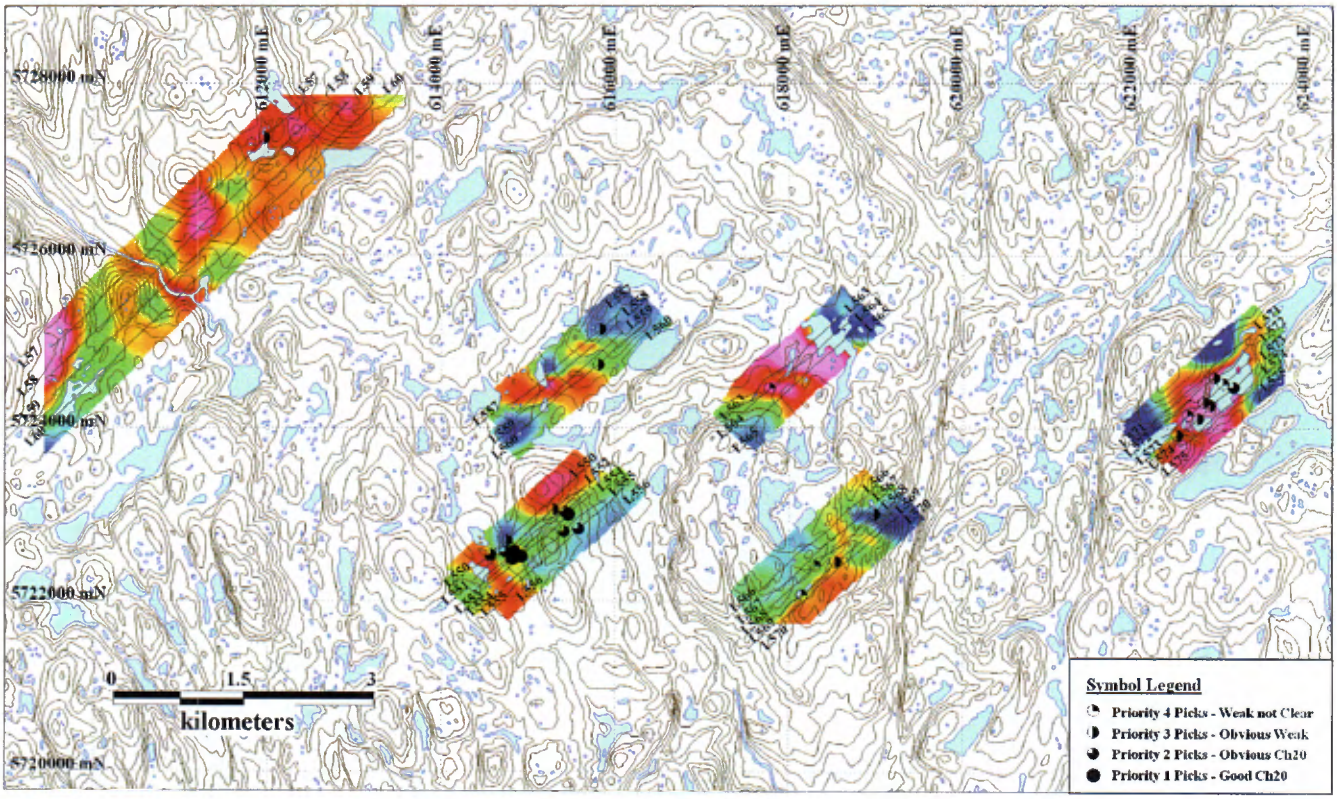


Figure 6: Heliborne THEM Survey - Total Magnetic Field, Flight Path and EM Picks

Interpretation & Result (from Osmond, 2002)

The results of the THEM heliborne TEM survey are summarized in **Table 9**. The list of EM anomaly picks and anomaly prioritizations were selected mainly on the response characteristics of time-domain EM systems to high conductance Ni-Cu sulphide mineralization. Standard off-time TEM systems are designed to measure changes in the B-field component of the induced electromagnetic field over time. The shape of the transmitted signal has significant impact on the observed response and the type of targets being detected. With the standard TEM system, measurements are taken during the off-time component of the transmitted signal and measure the rate of change of decay of any induced secondary electromagnetic fields. Measurements are taken along the waveform using selected time windows as outlined in Table 1. Using this data it is possible to calculate the time constants needed to estimate the overall target conductance for observed anomalies. It is important to note that if potential conductor time constants are significantly longer than the half-cycle base frequency used, in this case 16.667 ms, it is possible that the system will not detect conductors having time constants in this range. Most Ni-Cu sulphide targets are semi-massive to massive sulphide pyrrhotite hosted which have documented conductance's of greater than 1000 S and have time constants in the greater than 100 ms range. As a result, most TEM systems are not well suited to exploring for Ni-Cu sulphide deposits; however, these systems provide significantly improved depth of penetration (<300m) to that of conventional heliborne frequency domain EM systems (<75m). This makes the THEM system better suited to exploration in rugged terrains similar to that of the Mt. Groulx located within the Haut Plateau survey area. In addition, most Ni-Cu sulphide deposits occur in large magmatic systems which typically form large halos of disseminated to net textured sulphide mineralization. These sulphides tend to have much lower, less than 1000 S, conductances which are easily detected using standard TEM systems. The response characteristics for typical Ni-Cu sulphide targets were used to establish a series of criteria for prioritizing targets observed on the Haut Plateau property. The main criterion for selecting priority one targets was an obvious late channel-20 (15.02 ms) response. This response suggests that conductor has a relatively long time constant and potentially multiple modes of conductance (i.e. the conductance may become higher towards the central part of the conductor). Priority two targets were also selected based on an obvious late channel-20 (15.02 ms) esponse with significantly lower amplitude responses in the earlier less than 10 ms channels. This target type suggests that the conductor has more of a higher conductance core with less decay from the earlier channels but may also suggest that the conductor

occurs at depth. Priority three targets were selected based on an obvious weak amplitude response in all channels. This response may suggest a weak low conductance target near surface or potential poorly defined target at depth. The wavelength of this response and its occurrence along several lines are important for estimating potential depth. Priority four targets were selected based on the presence of possible weak anomalies found along several adjacent lines. These targets are of little interest but may suggest a potential conductor at depth.

Table IX

List of EM Anomaly Picks

Project 122, Haut Plateau Manicouagan, Sept-Îles, Qc

Frame	UTM_X	UTM_Y	Interpretation
56256	611967.90	5727376.20	3
8221	614570.51	5722530.30	2
8374	614761.74	5722696.19	3
9301	615292.52	5723056.97	3
9665	614745.45	5722565.87	2
10522	614845.05	5722578.48	1
11646	615423.07	5723035.36	2
12105	614826.32	5722498.16	1
12912	614924.87	5722526.44	1
13336	615467.46	5723013.35	1
14064	615418.66	5722804.28	2
15465	615581.25	5722834.70	2
5655	615835.18	5725153.57	3
1516	615810.87	5724738.11	3
20716	617786.88	5724463.61	4
25501	618994.92	5723008.31	3
26101	618306.56	5722410.22	4
26900	618157.43	5722073.27	4
27217	618546.94	5722450.13	3
33548	622905.00	5724592.93	3
34548	622603.10	5724152.87	4
34691	622786.45	5724308.43	3

Frame	UTM_X	UTM_Y	Interpretation
34835	623012.89	5724516.00	4
36004	623131.65	5724478.73	2
36181	622862.26	5724264.65	3
36290	622720.23	5724117.33	3
36442	622483.33	5723920.75	3

CONCLUSIONS AND RECOMMENDATIONS

The previous work made by Falconbridge Ltd. confirmed that the Manicouagan Intrusive Complex is comprised of extensive areas of mafic and ultramafic rock displaying repeated pulses of mafic magma that have intruded sulphide-bearing metasedimentary rocks. The ground investigation of Forgues and Haut-Plateau Est intrusion has resulted in the discovery of several zones of disseminated, semi-massive and massive sulphide carrying appreciable concentration of Ni-Cu-Co. Diamond drilling of three of these sulphide zones has confirmed their continuation to depth below their surface exposures. Diamond drilling at Barre de fer has substantiated the presence of multiple zones of brittle fracture-hosted Ni-Cu-Co-bearing massive sulphide breccia vein-type mineralization of a tenor similar to that mined in established nickel mining district. Exploration at Barre de Fer is at an early stage and much more drilling is warranted to establish the full extend and grade of the breccia veins zones. Disseminated Ni-Cu-Co mineralization hosted by norite and olivine gabbronorite is recognized to have bulk tonnage potential.

The overall data quality, concerning the T.H.E.M heliborne TEM survey, was within the specifications outlined; however, poor weather and high wind condition caused local problem due to isolated turbulence along valleys and hill resulting in the clipping of the data related to excess movement of the receiver coils in the earth's magnetic field. From the data acquired and declared in this assessment report, a total of 27 anomalies were outlined of which four were considered priority-one targets and six priority-two targets. Many of these targets are presently untested and hold potential for the discovery of new Ni-Cu sulphide mineralization in the Haut-Plateau area.

REFERENCES

Thibert, F. and Boulianne, Y., 2001. GEOLOGICAL ASSESMENT REPORT ON HAUT-PLATEAU EST PROJECT151, SEPT-ÎLES, QUEBEC, GROUND STAKED CLAIM 5233376 TO 5233535 INCLUSIVELY, WORK PERFORM 1999-2000, FALCONBRIDGE LTD . 9 pages; 4 Maps .

Thibert, F. and Boulianne, Y., 2002. GRANT ASSESSMENT REPORT ON HAUT PLATEAU EST PROJECT 151 SEPT-ILES, QUEBEC, WORK PERFORM IN 2001; GOVERNEMENT PROJECT NAME : BARRE DE FER, AGREEMENT NUMBER : 2001-B-203. 18 pages .

Rebagliati, C.M. and Haslinger, R.J., 2002 . SUMMARY REPORT ON THE HAUT-PLATEAU NI-CU-CO PROJECT, MARCH-APRIL 2002, DIAMOND DRILLING PROGRAM, HAUT-PLATEAU DE LA MANICOUAGAN, QUEBEC, CANADA . 23 pages .

Osmond, R., 2002 . LOGISTIC AND PROCESSING REPORT OF THE AIRBORNE MAGNETIC AND THEM ELECTROMAGNETIC MULTI-COIL SURVEY OVER THE HAUT-PLATEAU PROPERTY, QUEBEC . 13 pages; 4 maps.

MB 92-10 - CARTE GEOLOGIQUE DE LA REGION DU PETIT LAC MANICOUAGAN. 1992, Par DANIS, D. 0 pages. 1 CARTE (ECHELLE 1/50 000). 1 microfiche.

PRO 91-09 - NOUVEAUX INDICES MINERALISES DE CU-NI-CO SUR LE PLATEAU DE MANICOUAGAN. 1991, Par DANIS, D, CLARK, T. 4 pages. . 1 microfiche.

PRO 91-10 - NEW CU-NI-CO SHOWINGS ON THE MANICOUAGAN PLATEAU. 1991, Par DANIS, D, CLARK, T. 4 pages. . 1 microfiche.

MB 89-33 - GEOCHIMIE DES SEDIMENTS DE LAC, REGION DE FERMONT. 1989, Par BEAUMIER, M. 12 pages. 41 CARTES (ECHELLE 1/500 000). 8 microfiches.

MB 89-58 - ANALYSE MULTIDIMENSIONNELLE DE DONNEES GEOCHIMIQUES DE SEDIMENTS LACUSTRES DANS LA REGION DE MANICOUAGAN. 1989, Par MARCOTTE, D, FOY, J S. 62 pages. . 2 microfiches.

MB 88-38 - AIRES D'ACTIVITE GEOCHIMIQUE DANS LES SEDIMENTS DE LAC DE LA REGION DE FERMONT - QUELQUES CONSIDERATIONS SUR LE POTENTIEL MINERAL -. 1988, Par BEAUMIER, M. 23 pages. 1 CARTE (ECHELLE 1/500 000). 1 microfiche.

DP-86-18 - GEOCHIMIE DES SEDIMENTS DE LAC - REGION DE MANICOUAGAN. 1987, Par CHOINIERE, J. 0 pages. 11 PLANS (ECHELLE 1/500 000). 3 microfiches.

DV 83-14 - CARTE DES GITES MINERAUX DU QUEBEC: REGION DE LA COTE NORD. 1984, Par AVRAMTCHEV, L. 19 pages. CARTES M-353 A M-370 (ECHELLE 1/250 000) ET 1 LEGENDE. 1 microfiche.

CL 022O - CARTE DE LOCALISATION DES TRAVAUX GEOSCIENTIFIQUES 022O. 1981, Par MRN. 0 pages. 1 CARTE (ECHELLE 1/250 000) EN PLUSIEURS FEUILLETS.

GM 49161 - LEVE GEOCHIMIQUE DE SEDIMENTS DE FONDS DE LACS (PLANS SEULEMENT), PROJET MANIC 22-2002. 1978, Par RICHARD, M. 2 pages. 19 cartes. 11 microfiches.

GM 49160 - RAPPORT DE RECONNAISSANCE GEOLOGIQUE ET DES LEVES SPECTROMETRIQUE AERIEN ET GEOCHIMIQUE (SEDIMENTS DE LAC), CAMPAGNE ETE 1977, PROJET MANIC 22-2002. 1977, Par ARMSTRONG, E, LACASSE, J. 334 pages. 1 carte. 7 microfiches.

RG 162 - REGION DES RIVIERES BETSIAMITES (BERSIMIS) ET MOISIE, (GRENVILLE 1968-1969). 1975, Par FRANCONI, A, SHARMA, K N M, LAURIN, A F. 149 pages. CARTES 1773, 1778, 1779, 1784, 1785 ET 1788 (ECHELLE 1/250 000). 5 microfiches.

DP 127 - GEOLOGIE DE LA REGION DES RIVIERES BERSIMIS, PAPINACHOIS, AUX OUTARDES, MANICOUAGAN, SAINTE-MARGUERITE ET MOISIE (COMTE DE SAGUENAY): PROJET GRENVILLE 1968-1969. 1971, Par FRANCONI, A, LAURIN, A F, SHARMA, K N M. 138 pages. 4 CARTES (ECHELLE 1/253 440). 4 microfiches.

GM 26140 - RAPPORT DES POSSIBILITES DE MISE EN EXPLOITATION DES RESERVES DE MINERAI POUR CHOISIR LA CAPACITE D'UNE NOUVELLE LIGNE D'ELECTRICITE DANS LA REGION, SOUS-STATION MONTAGNAIS. 1970, Par SIROIS, R. 36 pages. 1 carte. 1 microfiche.

APPENDIX A

FALCONBRIDGE LTD.- DRILLING PROGRAM REPORT, 2001.

NTS: 22O/11

GRANT ASSESSMENT REPORT ON

Haut Plateau Est Project 151

Sept-Îles, Québec

Work Performed in 2001

Governement project name: Barre de Fer

Agreement Number: 2001-B-203

Falconbridge Ltd.
Eastern North America Exploration
3296 Francis-Hughes Avenue
Laval, Quebec H7l 5A7

Prepared by:
François Thibert, M.Sc., P. Geo.
Yves Boulianne, ing. stag.
May 31, 2002

MRN-GÉOINFORMATION 2003

GM 60342

SUMMARY

This report summarizes the results of drilling program carried out in 2001 on Haut Plateau Est by Falconbridge Limited (Project 151). The property is located 170 km NNW of Sept-Îles and 275 km NNE of Baie-Comeau on the North shore of the St-Lawrence River in the Province of Quebec. Following a THEM airborne survey and a UTEM ground survey completed in 1999 and 2000 respectively, Bradley Bros. from Rouyn-Noranda, Qc was contracted out to complete a helicopter supported drilling program using a BBS-25 mobile drill. A total of 1,212 meters of BQ core size were drilled in six holes on 2 zones (namely Barre de Fer and PYC Showings) from April 21 to May 23 2001. The program outlined the depth extension of the surface mineralization as multiple zones of brittle fracture-hosted Ni-Cu-Co bearing massive sulfides breccia vein-type mineralization of tenors similar to their surface expression.

Mineralization occurs as massive sulfide breccia within a gabbronorite-norite-peridotite assemblage and as disseminated (5-15% sulfides) to net-textured sulfide into norite intrusion (Barre de Fer area) and into granulitic gabbro (PYC area). Exploration at Haut-Plateau Est is at an early stage and much more drilling is warranted to establish the full extend and grade of the breccia vein zone and the disseminated Ni-Cu-Co mineralization.

2001 Diamond Drill Program Results
Project 151, Haut Plateau Est, Sept-Iles, Qc

Hole	From (m)	To (m)	Interv (m)	Ni (%)	Cu (%)	Co (%)	S (%)	Ni in 100% sulfides
151-01	19.00	22.75	3.75	1.47	0.27	0.11	18.65	3.85
	94.60	100.40	5.80	1.58	0.58	0.12	20.59	2.41
	-including-		2.50	2.63	1.14	0.20	34.92	2.18
151-02	65.55	74.95	9.40	1.48	0.66	0.11	19.84	3.09
	-including-		2.85	2.14	1.05	0.16	27.90	1.93
151-04	175.80	204.40	28.60	0.53	0.27	0.04	6.24	2.89
151-06	189.70	200.10	10.40	1.32	0.51	0.09	15.32	2.89
	-including-		2.00	2.01	0.72	0.14	24.82	2.95

TABLE OF CONTENTS

Page

SUMMARY ..... **i**

TABLE OF CONTENTS ..... **ii**

FIGURES, TABLES AND APPENDICES ..... **iii**

SCOPE **1**

LOCATION, ACCESS AND INFRASTRUCTURE **1**

PHYSIOGRAPHY, TOPOGRAPHY AND VEGETATION **2**

PROPERTY AND OWNERSHIP **3**

PREVIOUS WORK **4**

EXPLORATION PROGRAM **5**

GEOLOGY **8**

Regional Geology 8
Property Geology 8
Property Mineralization 10

DIAMOND DRILL HOLE LOCATION & RESULT **10**

Location 11
Result 11

CONCLUSIONS AND RECOMMENDATIONS **17**

REFERENCES **17**

FIGURES, TABLE AND APPENDICES

Page

LIST OF FIGURES

Figure 1: Project location map 1
Figure 2: Claim map of the Haut Plateau de la Manicouagan area. 4
Figure 3: Mineral Tenure ..... Appendix A
Figure 3.1: Mineral Tenure ..... Appendix A
Figure 3.2: Mineral Tenure ..... Appendix A
Figure 3.3: Mineral Tenure ..... Appendix A
Figure 3.4: Mineral Tenure ..... Appendix A
Figure 3.5: Mineral Tenure ..... Appendix A
Figure 3.6: Mineral Tenure ..... Appendix A
Figure 3.7: Mineral Tenure ..... Appendix A
Figure 3.8: Mineral Tenure ..... Appendix A
Figure 4: Regionnal Geology 7
Figure 5: Property Geology 9
Figure 6: Diamond drill hole location over the Haut-Plateau Est area. 11
Figure 7: Barre de Fer Showing;
Cross section along grid line 0+00, ddh 151-01 & 151-04. 13
Figure 8: Barre de Fer Showing;
Cross section along grid line 1+00W, ddh 151-02 & 151-05 14
Figure 9: Barre de Fer Showing;
Longitudinal section, ddh 151-03. 15
Figure 10: PYC Showing;
Cross section along grid line 2+00W, ddh 151-01 & 151-04 16

LIST OF TABLES

Table I: Summary of the property 3
Table II: Summary of exploration programs 5
Table III: Personnel and Contractors employed during the program 6
Table IV: Statement of Expenditures 6
Table V: Falconbridge Ltd. 2001 Drilling Campaign 10
Table VI: Summary of Drill Assay Results. 12
Table VII: Drill Economic Assays Result ..... Appendix B
Table VIII: Drill Whole Rock Assays Result ..... Appendix B
Table IX: Standard Assay Results ..... Appendix C

APPENDICES

Appendix A: List of mineral claims. ..... Back of Report
Appendix B: Whole Rock Analysis and Assay Results ..... Back of Report
Appendix C: Analytical Quality Control ..... Back of Report

SCOPE

This report summarizes the results of the 2001 drilling program carried out at Haut Plateau Est by Falconbridge Limited (Project 151).

LOCATION, ACCESS AND INFRASTRUCTURE

The area is located on NTS map sheets 22O/10,11,12 and 14 and it is centered at latitude 51.67°N and longitude 67.33°E on the Haut Plateau de la Manicouagan region in the Province of Quebec. The property is located 170 km NNW of Sept-Îles and 275 km NNE of Baie-Comeau on the North Shore of the St-Lawrence River in the Province of Quebec. The area is part of the mining district of Cote Nord/Nouveau-Quebec administered from Sept-Îles.

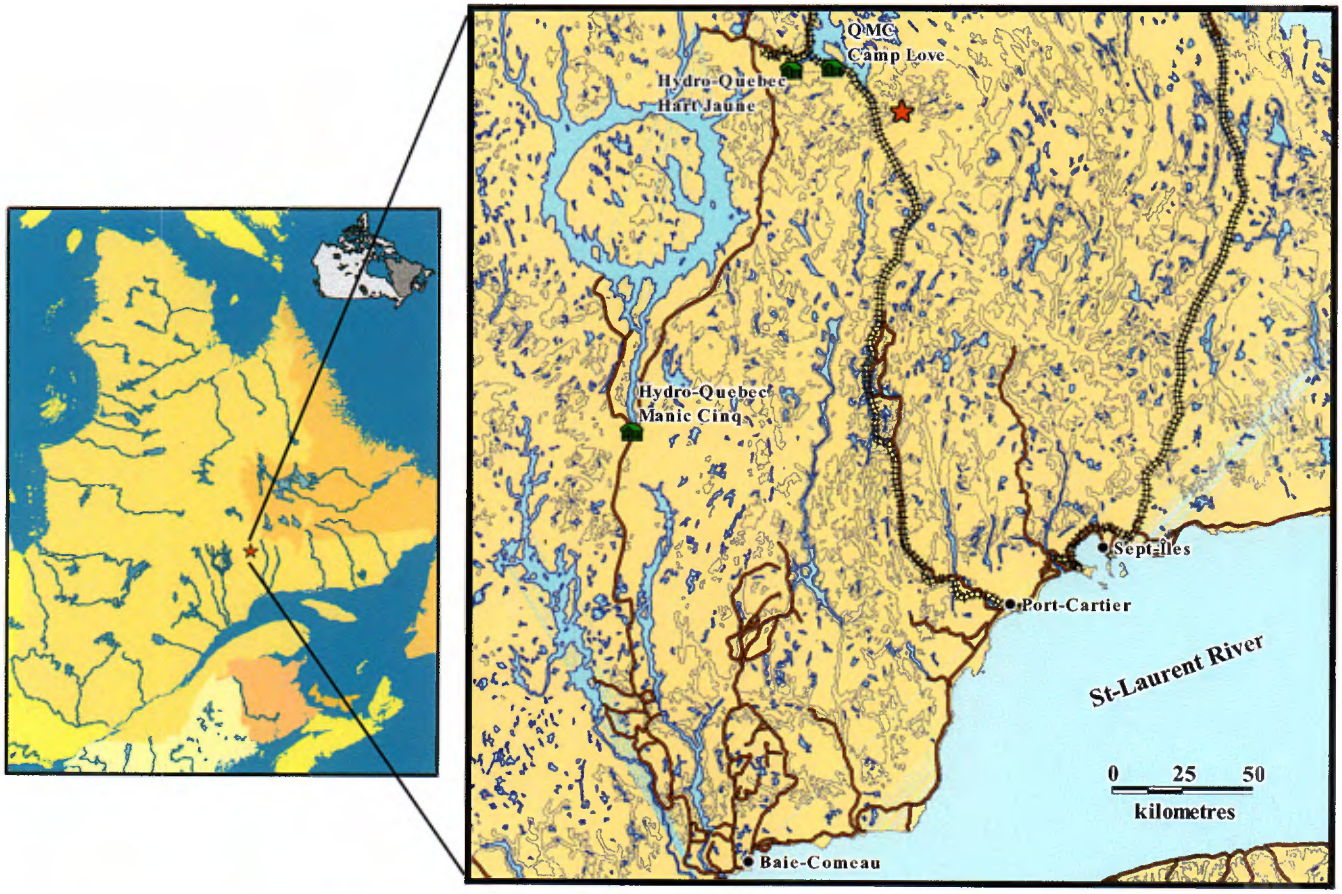


Figure 1: *Project location map.*

Route 389 is an all weather road connecting Baie-Comeau to Fermont to Labrador City. It is paved up to Hydro Quebec Manic 5 power plant. A gravel road maintained by Hydro-Quebec to access their Hart-Jaune power station intersects to the East route 389 at kilometre 390. This road extends for

50 km to QMC railway maintenance camp on the West shore of Petit Lac Manicouagan. The Quebec Cartier Mining railroad connecting Fermont to Port-Cartier winds along the West bank of the North-East Toulnustouc River and it is used to haul iron ore from QCM Mount Wright deposits to QMC docking facilities at Port-Cartier. Port-Cartier is a major seaport on the St-Lawrence River. Hydro-Québec Hart-Jaune power station is a small power plant located 35km to the NW of the property. The property is only accessible by floatplane and helicopter. The communities, roads, railroads and hydroelectric generation plants in the region of the Haut Plateau project currently provide substantial infrastructure required for potential mine development.

PHYSIOGRAPHY, TOPOGRAPHY AND VEGETATION

The Haut Plateau Est Project is part of the distinctive geographic and topographic feature of the Haut Plateau de la Manicouagan. The Haut Plateau de la Manicouagan forms a rectangular plateau 80 km long by 50 km wide characterized by a series of rounded summits averaging an altitude of 3000 feet. It includes the mountain range of the Monts Groulx with tops culminating over 3000 feet in the property area. Numerous linear valleys at the bottom of which flow rivers and streams dissect the Plateau. The area is also characterized by a very high number of lakes but with somewhat of smaller dimensions. In the property area, drainage is to the west into the North-East Toulnustouc River to the South of the Petit Lac Manicouagan.

Tundra type vegetation characterizes the tops of the mountain range and taiga type vegetation can be found down in the valleys. Precipitation is moderate at approximately 50 cm per annum. Temperatures seasonally range from a high of 30 degrees to a low of –35 degrees. Small ponds, lakes and streams throughout the project area contain ample water to support drilling activities. There are no seasonal restrictions for exploration or mine development.

Table I

Summary of the property
Project 151, Haut Plateau Est, Sept-Iles, Qc

Claim No.	Number of claim	Total Area (ha)	Issuance Date	Assessment Years	Good Standing
5068523 - 5068525 **5068563 - 5068565** **CDC 1012338 - 1012356**	6 19	94.88 1016.03	9/9/2002 4/25/2003	6th 1st	9/8/2002 4/24/2003
CDC 1017526 - 1017531	6	321.02	5/13/2003	1st	5/12/2003
CDC 1013345 - 1013424 **CDC 1013963 - 1014002** **CDC 1021885 - 1021899**	135	7209.71	6/21/2003	1st	6/20/2003
CDC 1013652 - 1013691 **CDC 1013696 - 1013725** **CDC 1013754 - 1013763** **CDC 1014145 - 1014184**	120	6418.17	6/22/2003	1st	6/21/2003
CDC 1012357 - 1012368 **CDC 1014202 - 1014221**	32	1708.69	7/11/2003	1st	7/10/2003
CDC 1016400 - 1016439 **CDC 1024944 - 1025011**	108	5767.34	7/18/2003	1st	7/17/2003
CDC 1025051 - 1025170 **CDC 1025197 - 1025236** **CDC 1025239 - 1025398**	320	17091.29	7/19/2003	1st	7/18/2003
CDC 1025437 - 1025516	80	4265.94	7/24/2003	1st	7/23/2003
CDC 1026454 - 1026549	96	5131.61	8/21/2003	1st	8/20/2003
CDC 1026172 - 1026186	15	800.44	8/27/2003	1st	8/26/2003
5196029 - 5196049	21	323.05	9/3/2003	3rd	9/2/2005
5189937 - 5189940	4	65.55	9/7/2003	3rd	9/6/2005
CDC 1041616 - 1041637	22	1173.58	12/5/2003	1st	12/4/2003
CDC 1042140 - 1042259 **CDC 1042370 - 1042391** **CDC 1042411 - 1042450** **CDC 1042455 - 1042494** **CDC 1042498 - 1042537** **CDC 1042540 - 1042569**	292	15588.59	12/13/2003	1st	12/12/2003
CDC 1042327 - 1042366 **CDC 1042570 - 1042609** **CDC 1042621 - 1042624** **CDC 1042759 - 1042874** **CDC 1042876 - 1042956**	281	15011.17	12/17/2003	1st	12/16/2003
5196069 - 5196074	6	96.63	3/12/2004	3rd	3/11/2004
Total	**1563**	**82083.69**			

PROPERTY AND OWNERSHIP

The Haut Plateau property, encompassing 82,084 hectares, comprises 1,563 mineral claims. These claims comprise 1,526 map designated claims (1,504 hectares) recorded as Haut Plateau de la

Manic and Haut Plateau; 6 ground staked claims (95 hectares) recorded as Petit Lac Manicouagan under PN112; 31 ground staked claims (485 hectares) recorded as Forgues under PN131. The 1,526 map designated claims have a specific map designated area. Ground staked claims have not been surveyed to determine exact location. Falconbridge Limited holds all claims 100%. Work report filing dates and information on the claims are summarized in Table I. On October 12, 2001 Hunter Dickinson Group Inc. (HDGI) entered into an agreement with Falconbridge Limited (Falconbridge) in regard to the Haut Plateau de la Manicouagan Property (Haut Plateau) whereby HDGI has the option to earn a 60% participating joint venture interest in the property by incurring exploration expenditures totaling $10,000,000 on or before April 30, 2006. HDGI subsequently assigned all of the rights and obligations of the underlying agreement with Falconbridge to Rockwell Ventures Inc. on November 15, 2001.

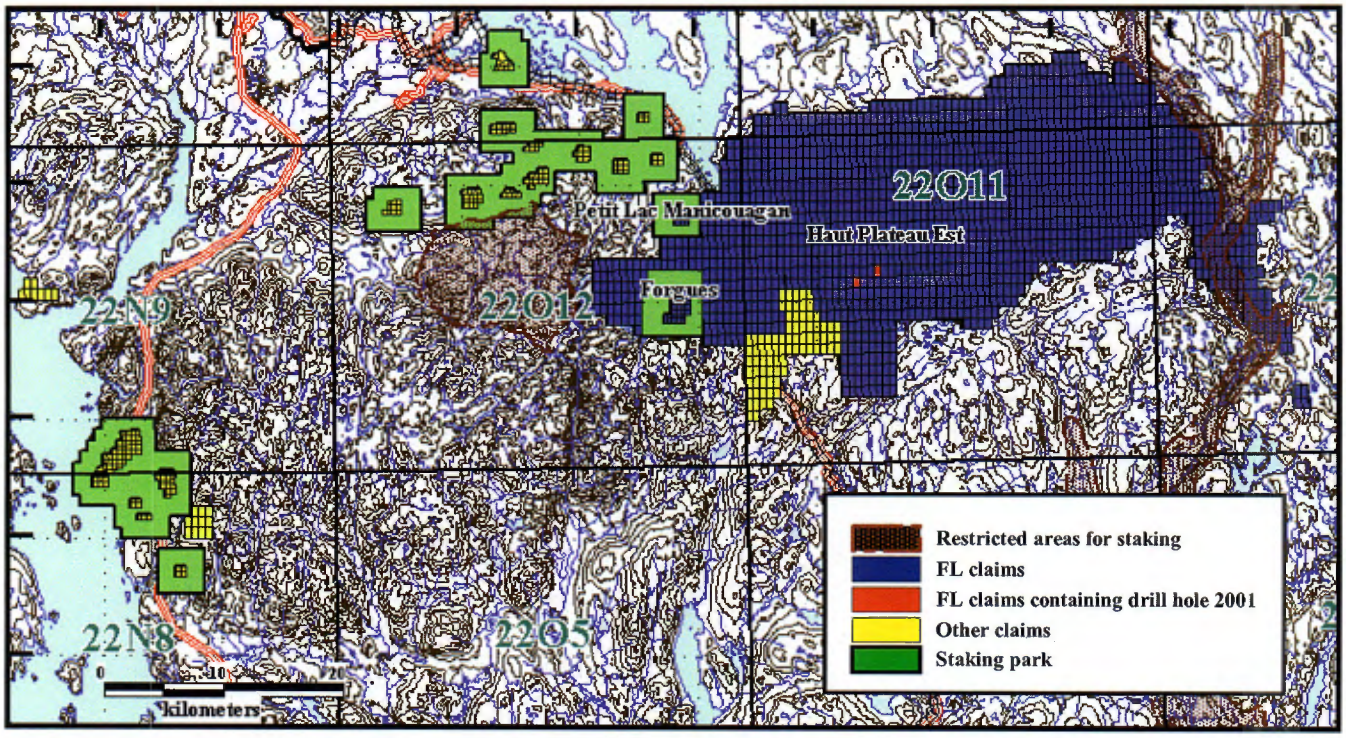


Figure 2: *Claim map of the Haut Plateau de la Manicouagan area.*

PREVIOUS WORK

The property area has seen very little exploration work except for regional 250 000 and 50 000 scale mapping programs undertaken by the MRNQ. Lake sediment samples were taken on the property in 1977 and 1987 by SOQUEM and MRNQ respectively as part of regional lake sediment sampling

programs. SOQUEM ground checked one magnetic anomaly taken from the federal aeromagnetic compilation.

In the early 90's Falconbridge Limited undertook detailed compilation work over the entire Haut Plateau de la Manicouagan area. Reconnaissance mapping was completed over the entire Manicouagan metamorphic complex. More the 800 km of geological traverses were completed and some 25 geophysical airborne anomalies were ground investigated. Lithogeochemical sampling of the entire gabbroic granulite and gabbroic intrusions was also carried out in order to establish stratigraphical relationship and geological environment. More than 12 intrusive bodies were of gabbroic types were identifies, including Haut Plateau Est. In 1998-1999 Falconbridge completed 3,146 line-km of helicopter-borne magnetic and time domain electromagnetic THEM survey. Follow-up prospecting in 1999 of THEM conductors using VLF-EM and BeepMat led to the discovery of three new Ni-Cu-Co occurrences. In 2000, 83 line-km of gridding over the PYC-Barre de Fer occurrences was surveyed by magnetometer and UTEM to establish drill targets.

EXPLORATION PROGRAM

Falconbridge Limited carried out a drilling program from April 21, 2001 to May 23 2001. Bradley Bros. from Rouyn-Noranda Qc was contracted for the drilling operation. The exploration program was partly founded (up to 50,000$) by the MRNQ under the "Programme d'assistance à l'exploration minière du Québec" project Barre de Fer (2001-B-203). Personnel were based at Hydro-Québec Hart-Jaune power station facilities. Transportation to and from the property and drill moves were via an A-Star 350 BA helicopter contracted for the project from Les Hélicoptères Canadiens Ltd based out of Sept-Îles.

Table II
Summary of exploration programs
Project 151, Haut Plateau Est, Sept-Îles, Qc

Drilling (meters)	Economics Samples	Whole Rock Samples	Density Samples	Aerial Transport (hours)
1212	292	50	44	155

Table III

FALCONBRIDGE PERSONNEL

Name	Address	Dates Worked	Total man-days	Work Done
François Thibert	Montreal, Qc	Apr.19 to May 24, 2001	36	Plan & Supervision
Yves Boulianne	Rosemère, Qc	Apr.19 to May 10, 2001	22	Logging & others
		Total 58 man-days		

CONTRACTORS

Name	Address	Dates Worked	Work Done
Chimitec-Laboratory	Val D'Or, Qc	May to June, 2001	Analytical Services
Hydro-Québec	Trois-Rivière, Qc	Apr. 21 to May 23, 2001	Lodging
Bradley Bros. Ltd	Rouyn-Noranda, Qc	Apr. 21 to May 23, 2001	Drilling

Table IV

Statement of Expenditures
Project 151, Haut Plateau Est, Sept-Îles, Qc

Core Analysis		
Chimitek - Invoice		$12,271.80
Transportation to laboratory		$773.14
	Sub-Total	***$13,044.94***
Drilling		
Drilling & others (Bradley Bros. Invoice)		$104,831.50
Food & Lodging (Hydro-Québec Invoice)		$42,715.23
Ground Transportation		$1,124.52
Telecommunication		$574.90
Equipment		$679.00
	Sub-Total	***$149,925.15***
Aerial Transport		
Helicopter/Air Charter costs (Canadian Helicopter Invoice)		$68,754.95
	Sub-Total	***$68,754.95***
Project Expenditure (2001)		**$231,725.04**

The original 500 meters drill program was extended and an extra 712 meters was added, totalizing finally 1,212 meters of core drilling. Six diamond drill hole were completed on the Barre de Fer and PYC Showings and further descriptions are given in section DIAMOND DRILL RESULT. Bradley Bros. used a helicopter mobile drill with BQ (3.65 cm) coring capacity. Productivity rates

were adequate and core recoveries were good. Drill core of samples taken from the property were collected by Falconbridge geologists and sent by airfreight to ITS-Chimitek-Bondar Clegg Laboratory in Val D'Or, Québec (more detail into Appendix B). Core is currently cross-piled along the access road to Petit Lac Manicouagan, near QCM Love camp. A total of 58 man-days of work were performed by Falconbridge crew to conduct the drilling program and total expenditure of $**234,636.17** (Table IV) were spent on the project.

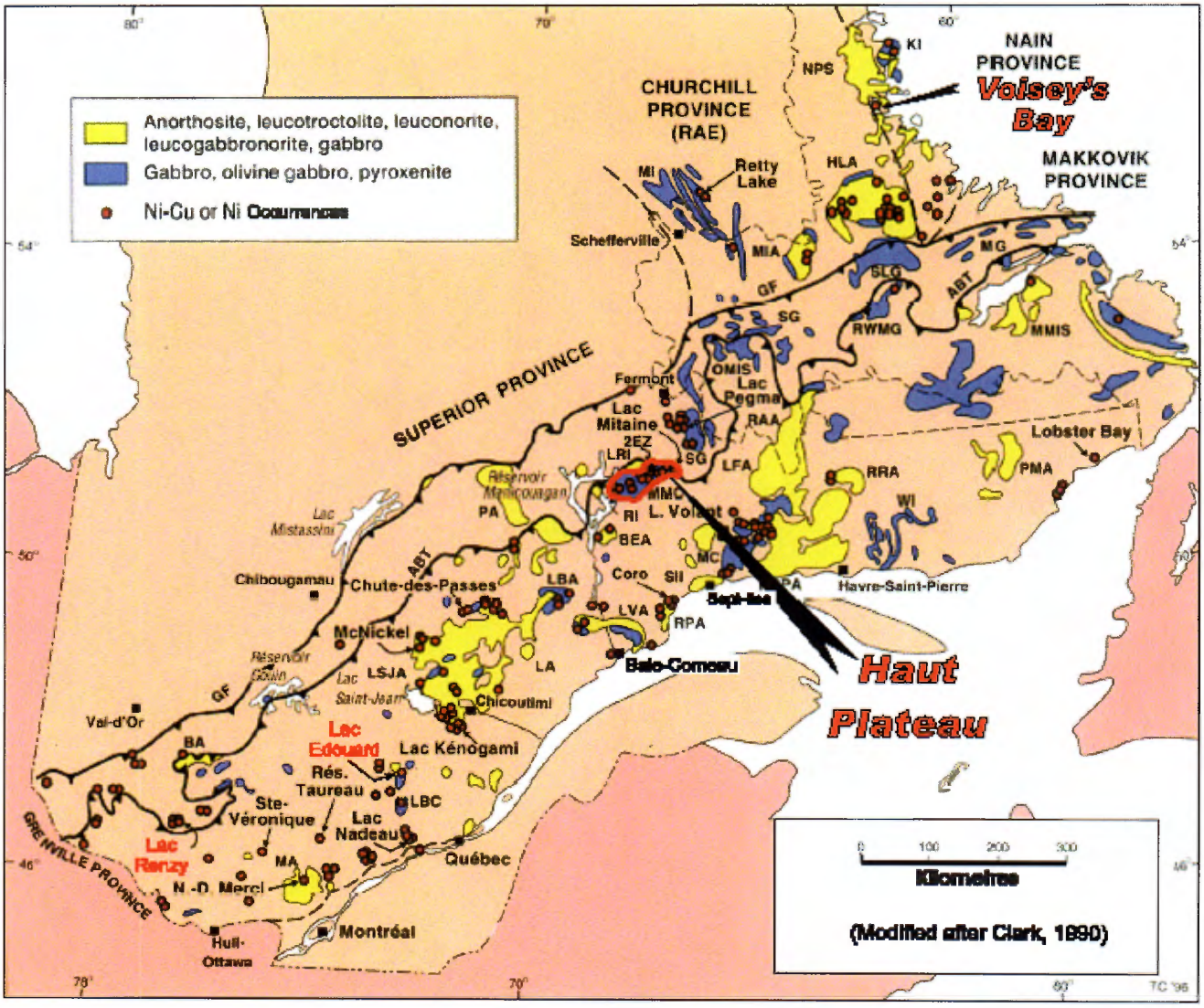


Figure 4: *Regional Geology*

GEOLOGY

Regional Geology

More than 100 Ni-Cu prospects with variable Co and PGE contents occur in the Quebec part of the Grenville Province and in adjacent Labrador (Figure 4; Clark, 1998). These occurrences of Ni-Cu-Co-PGE mineralization are mainly associated with mafic and ultramafic rocks, and anorthositic massifs that have a wide range of ages and occur in various tectonic settings and geochronologic frameworks. Deposits of Ni-Cu in the Grenville Province were mined at Renzy Lake and Edouard Lake during the 1970's.

The Haut Plateau de la Manicouagan comprises all of the Hart Jaune terrane that is zone located within the Allotochtonous Belt of the Grenville Province. It consists of predominantly granulite-facies metagabbroic rocks and intruded by coronitic Fe-Ti gabbros, with subordinate calc-silicates and metapelites. Rocks of the Hart-Jaune terrane experienced an early stage of largely garnet-free, granulite-facies metamorphism and a later granulite-facies overprint in which garnet developed in some rocks. Geochronological studies provided support for their polymetamorphic character, with the earlier metamorphism dated at ca. 1470 Ma (Pinwarian) and the later metamorphic overprint dated at 989 Ma.

Property Geology

The Manicouagan metamorphic complex, a 50 by 100 kilometer complex within the Grenville tectonic province, is mostly granulitic gabbro, orthogneiss and paragneiss intruded by gabbroic, ultramafic and anorthositic bodies. Regional metamorphism is in the granulitic facies with local retrogression to the upper amphibolite facies. The known mineralization is associated with gabbroic intrusions called the Toulnustouc massif (Forgues & Petit Lac Manicouagan area) and Gabbro East (Haut-Plateau Est area) intrusion that host the nickel prospects discovered by Falconbridge. The Haut Plateau Est area, where drilling has taken place, is mostly underlain by different types of coronitic gabbronorites intruded in paragneiss. Mafic and ultramafic lithologies of this area were recognized as part of these late intrusive suites. The most interesting known Ni-Cu sulfide mineralization found on the property appears to be associated with those late intrusion lithologies.

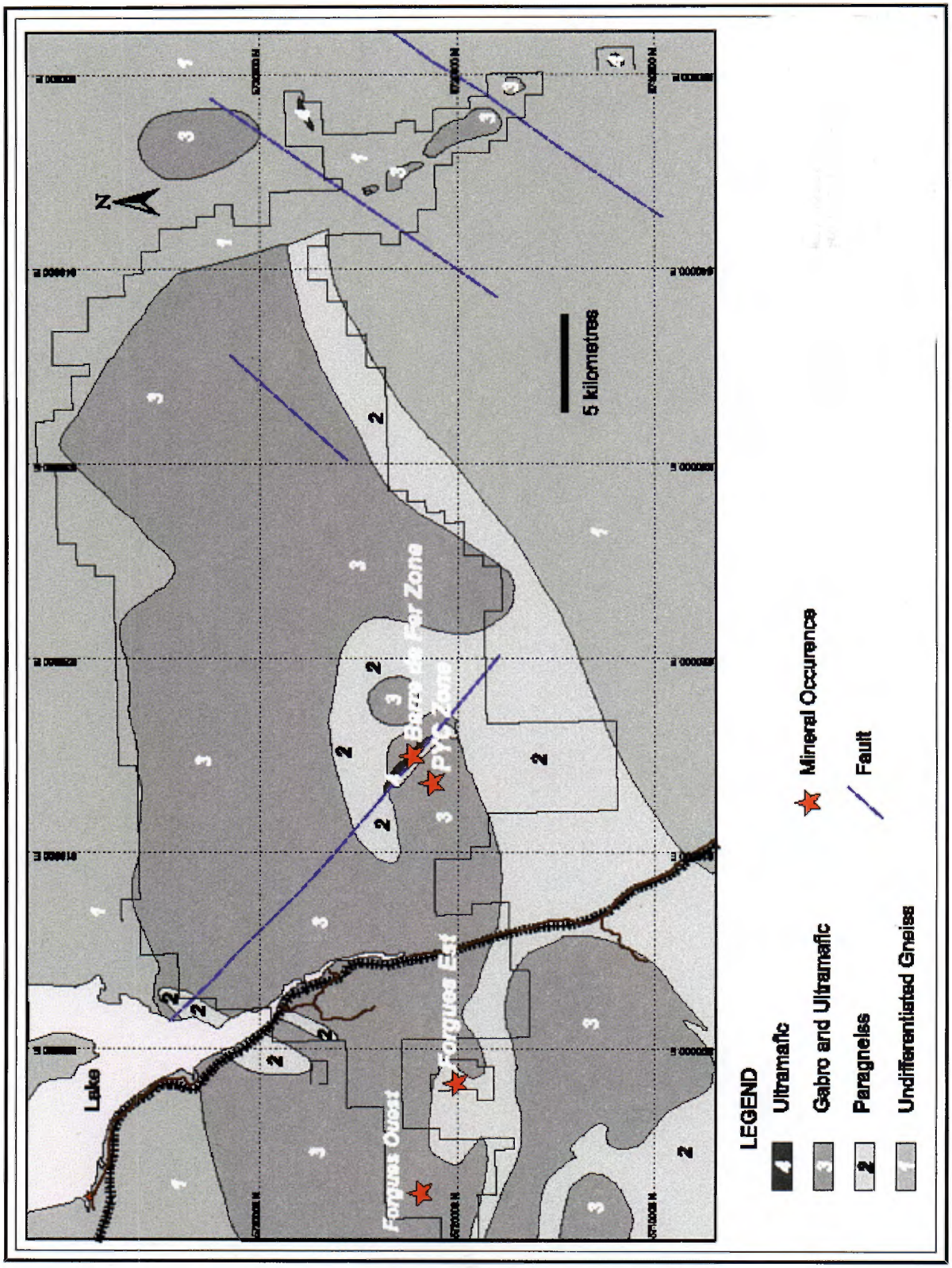


Figure 5: *Property Geology*

Property Mineralization

Throughout the Haut Plateau de la Manicouagan, magmatic Ni-Cu-Co mineralization is associated with various mafic and ultramafic units. This mineralization occurs as disseminations, net textured accumulations, massive sulfides, sulfide-dominated breccias and as discordant semi-massive to massive sulfide veins and massive sulfide breccia vein. All of these forms of mineralization occur collectively at the Forgues, PYC and Barre de Fer prospects.

Best assay result at West Gabbro (Forgues Intrusion) included one grab sample grading 1.11% Ni, 0.9% Cu and 0.2% Co, and channel sample averaging 1.79% Ni, 0.18% Cu over 0.35 m. At the Barre de Fer Showing within the Gabbro Est intrusion, mineralization was found from a single pit dug on a 160 meters long VLF conductor coincident with a THEM anomaly where massive sulfide lens returned average value of 1.67% Ni, 1,04% Cu and 0.17% Co.

DIAMOND DRILL HOLE LOCATION & RESULT

The objective of the 2001 diamond drill program was to test UTEM ground geophysical targets to assess the economic potential of Barre de Fer Ni-Cu-Co occurrence by determining the character, tenor, strike, dip and continuity along the ground conductor strike. To achieve this holes were drilled over the higher and thicker part of the conductor outlined by the 2000 UTEM survey. All those holes are associated to a high magnetic except hole 151-03 where its highest conductivity is located between two high-rounded anomalies.

Table V
2001 Drill Program – DDH Location
Project 151, Haut Plateau Est, Sept-Îles, Qc

Hole	Zone	Claim No.	UTM East (m)	UTM North (m)	Azimuth	Dip	Length (m)
151-01	Barre de Fer	CDC 1026493	614856.84	5722497.09	N231	-70	200
151-02	Barre de Fer	CDC 1026493	614843.93	5722618.06	N231	-70	164
151-03	PYC	CDC 1026475	613245.00	5721734.00	N231	-50	80
151-04	Barre de Fer	CDC 1026493	614935.00	5722558.00	N231	-70	287
151-05	Barre de Fer	CDC 1026493	614922.49	5722680.84	N231	-70	180
151-06	Barre de Fer	CDC 1026493	614850.10	5722723.37	N231	-70	301

Location

The drilling program took place at two different locations within the Haut Plateau Est intrusion area. Hole 151-03 is located in the area of the Ni-showing PYC and all others were drilled around the Barre de Fer Ni-showing.

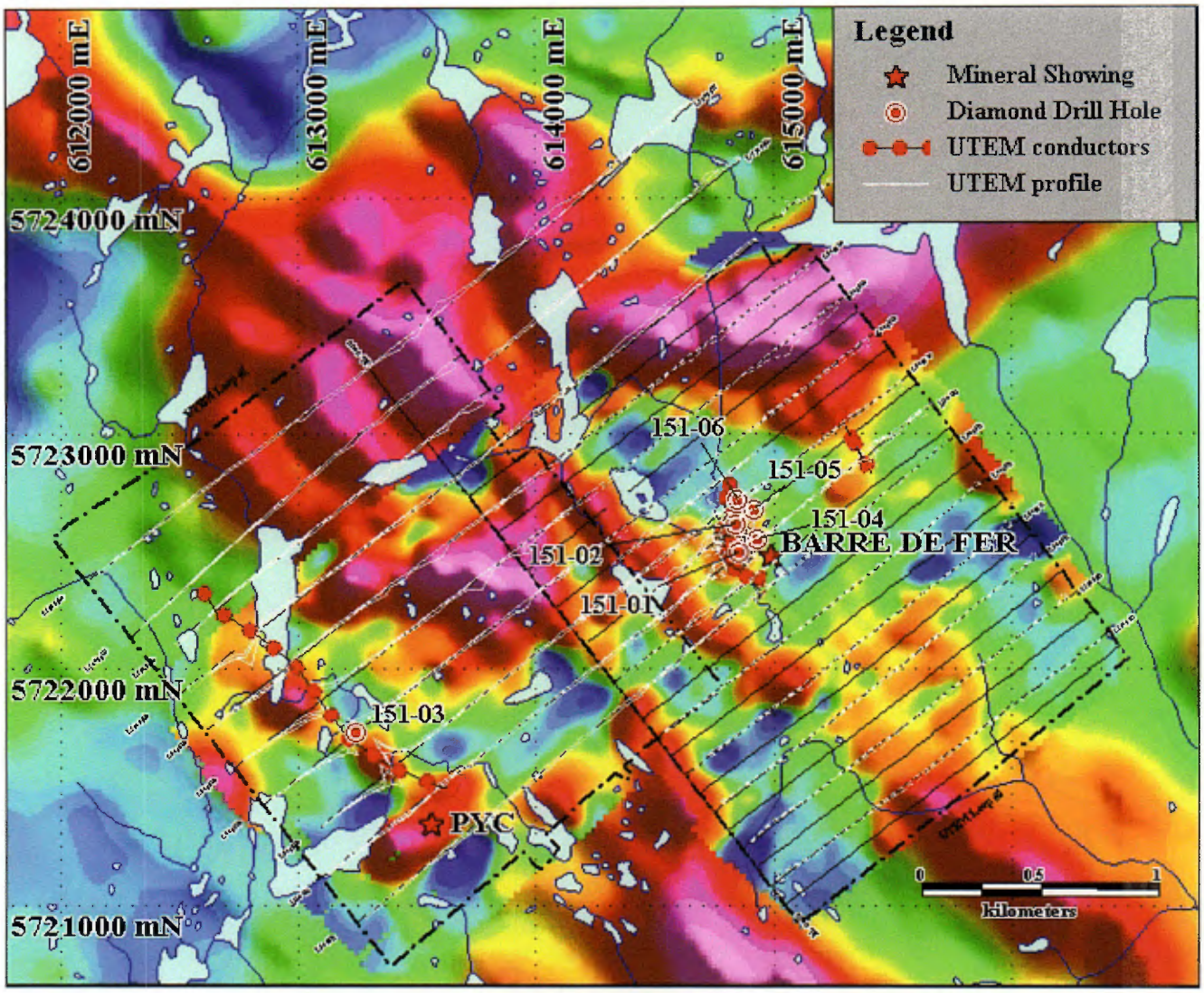


Figure 6: *Diamond drill hole location over the Haut-Plateau Est area.*

Results

Diamond drilling at both PYC (1 ddh, 80m) and Barre de Fer (5 ddh, 1,132m) Showings confirmed their continuation to depth below their surface exposures.

At Barre de Fer, three holes intersected massive sulfide breccia veins containing many mafic to ultramafic clasts are hosted by a late olivine-gabbro, gabbro-gabbronorite-peridotite assemblage over a north-south strike length of 220 meters, dipping 30 to 35° to the northeast. DDH 151-01 intersected

two sulfides zones which assayed 1.47% Ni over 3.75 meters and 1.58% Ni over 5.8 meters, including 2.63% over 2.5 meters. DDH-02, located 120 meters to the north, intersected 1.48% Ni over 9.4 meters, including 2.14% Ni over 2.85 meters. DDH 151-06, located 100 meters north of DDH 151-02 intersected a significant thickness of primary disseminated sulfide in a norite body, averaging 0.56% Ni over 28.6 meters.

At the PYC prospect, diamond drill hole 151-03, targeted at the granulitic gabbro, intersected a 15.3m interval of disseminated to semi-massive sulfide mineralization grading 0.28% Ni, 0.14% Cu and 0.06% Co. Mineralization coincides with an 800 meter long THEM conductor.

The program has found the presence of multiple zones of brittle fracture-hosted Ni-Cu-Co bearing massive sulfides breccia vein-type mineralization of tenors similar to their surface expression. Onto the Barre de Fer area disseminated Ni-Cu-Co mineralization hosted by norite is recognized to have bulk tonnage potential. In this regard the PYC zone also warrants assessment.

Table VI
Summary of Drill Assay Results
Project 151, Haut Plateau Est, Sept-Îles, Qc

Hole	*From (m)*	*To (m)*	*Interv (m)*	*Ni (%)*	*Cu (%)*	*Co (%)*
151-01	19.00	22.75	3.75	1.47	0.27	0.11
	94.60	100.40	5.80	1.58	0.58	0.12
	-including-		2.50	2.63	1.14	0.20
151-02	65.55	74.95	9.40	1.48	0.66	0.11
	-including-		2.85	2.14	1.05	0.16
151-03	29.60	44.90	15.30	0.28	0.14	0.06
151-04	175.80	204.40	28.60	0.53	0.27	0.04
151-05			No significant highlight			
151-06	189.70	200.10	10.40	1.32	0.51	0.09
	-including-		2.00	2.01	0.72	0.14

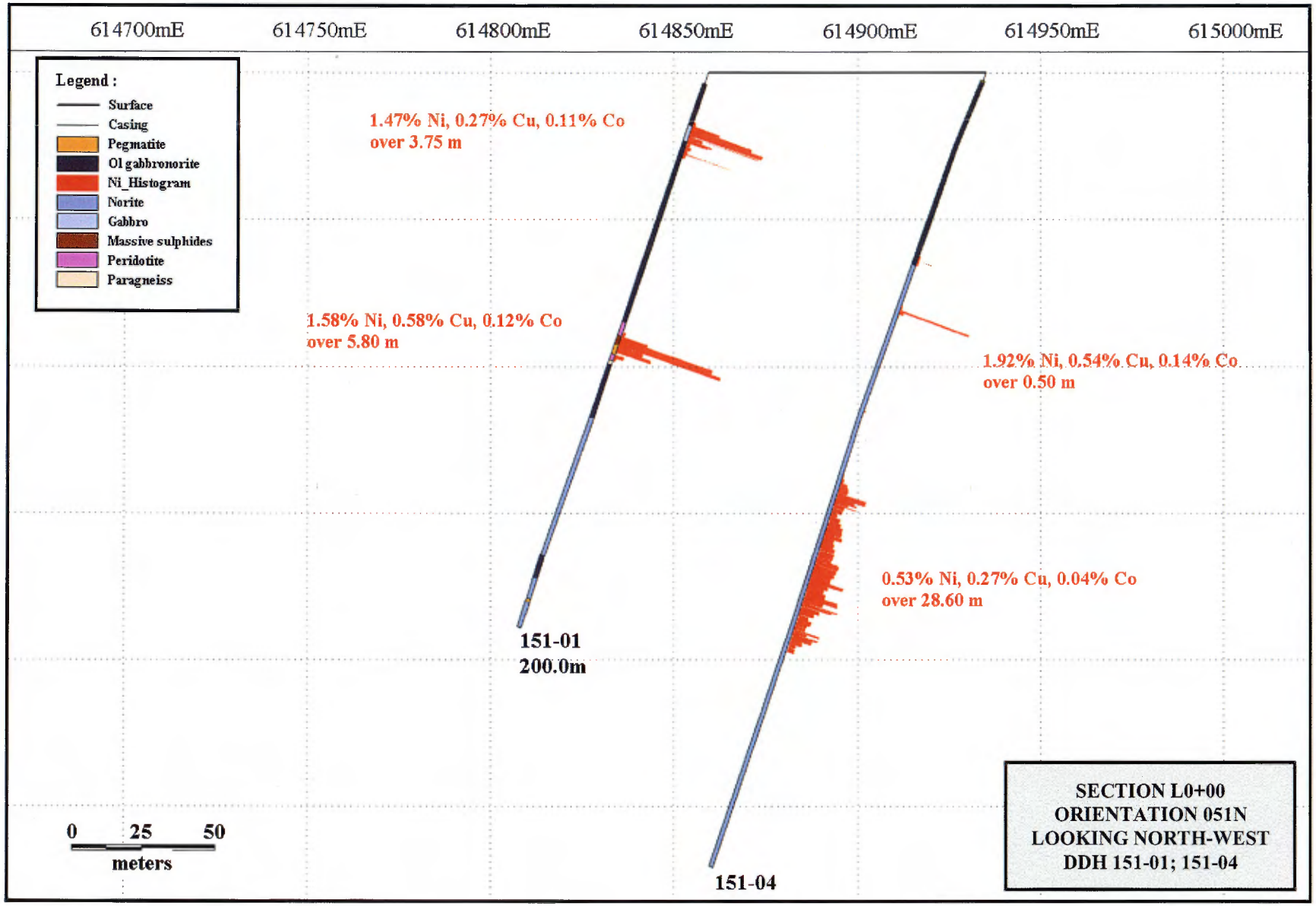


***Figure 7**: Barre de Fer Showing;*
Cross section along grid line 0+00, ddh 151-01 & 151-04

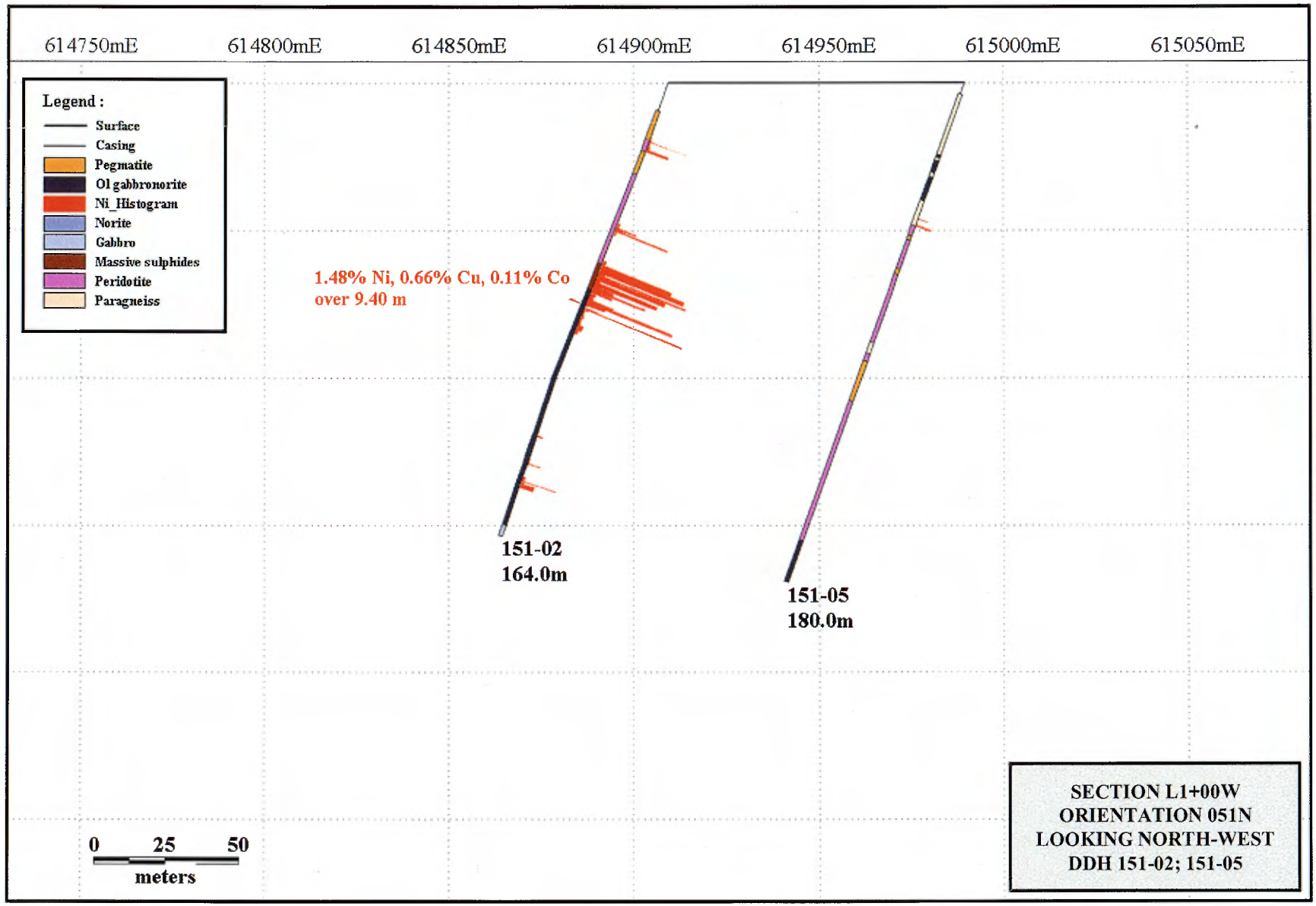


***Figure 8**: Barre de Fer Showing;*
Cross section along grid line 1+00W, ddh 151-02 & 151-05.

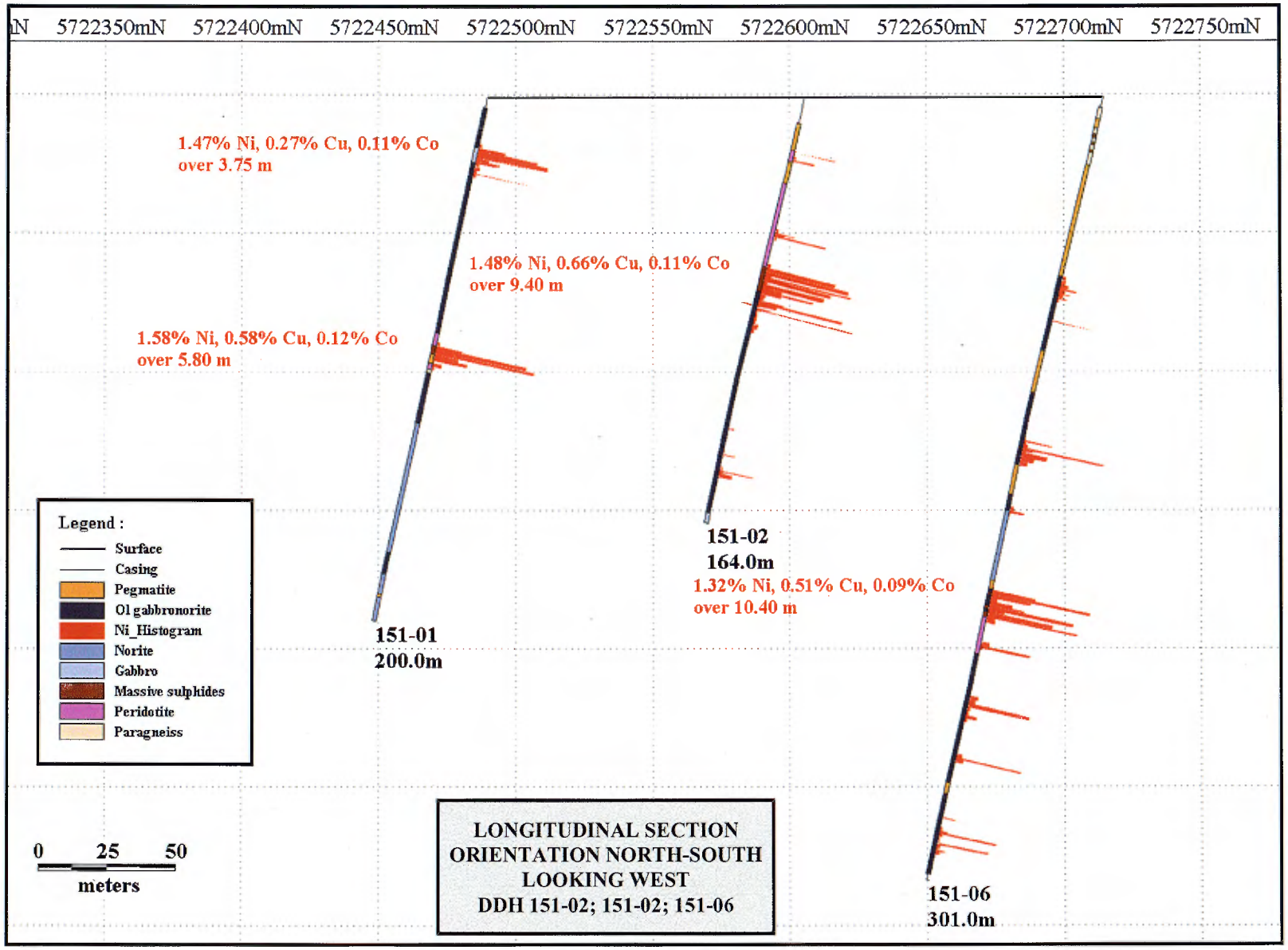


***Figure 9**: Barre de Fer Showing;*
Longitudinal section, ddh 151-01, 151-02 & 151-06.

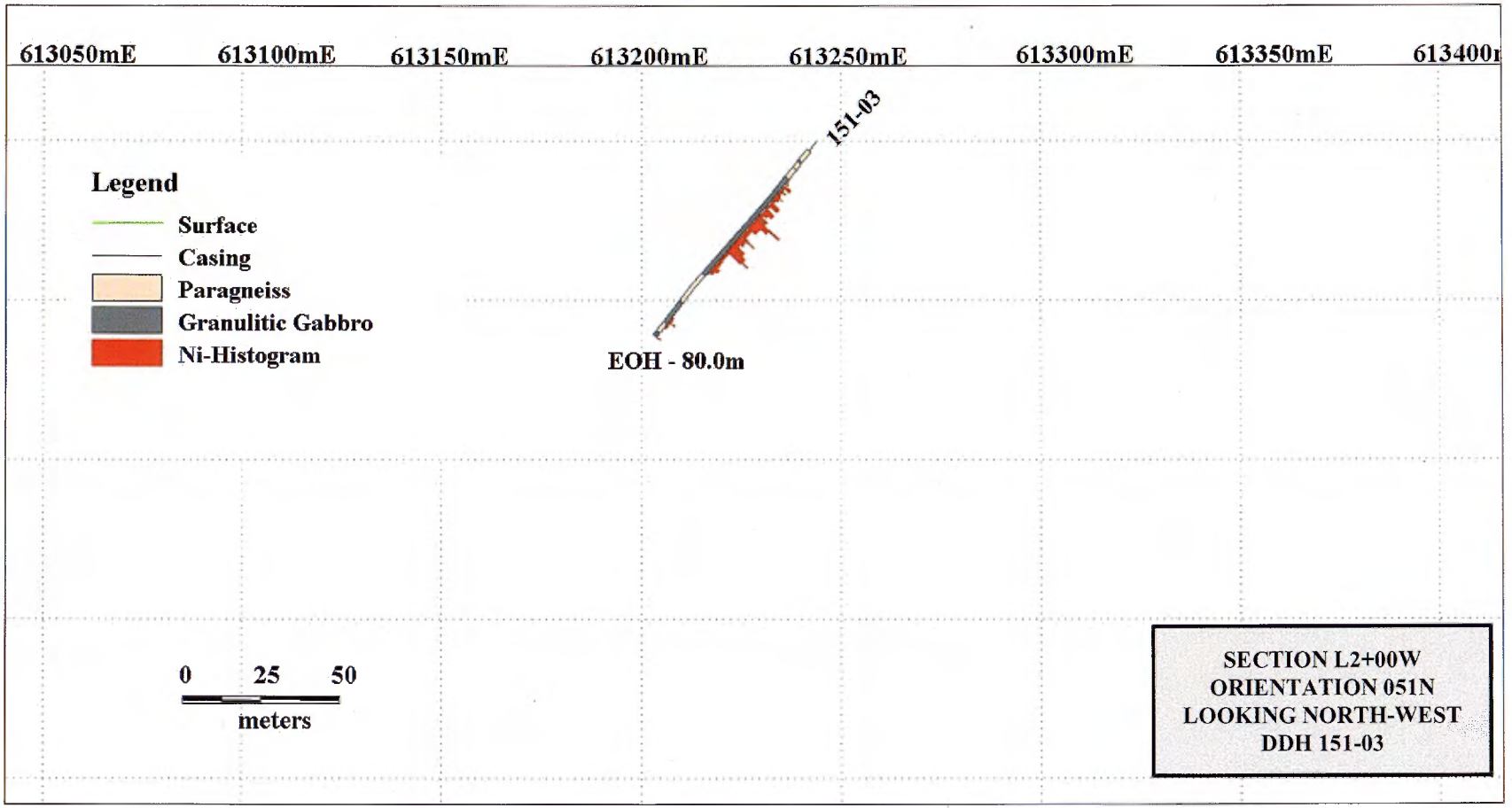


***Figure 10**: PYC Showing;*
Cross section along grid line 2+00W, ddh 151-03.

CONCLUSIONS AND RECOMMENDATIONS

Diamond drilling at PYC and Barre de Fer has confirmed their continuation to depth below their surface exposures. Best result occurs in hole 151-02 where 9.4 meters give 1.43% Ni, 0.66% Cu, & 0.11% Co, including 2.85 meters at 2.02% Ni, 1.05% Cu, & 0.16% Co. Mineralization occurs as massive sulfide breccia within a late gabbronorite-norite-peridotite assemblage and as disseminated (5-15% sulfides) to net-textured sulfide into norite intrusion (Barre de Fer area) and in granulitic gabbro (PYC area). In both surface showing areas the wide interval of disseminated sulfide may have substantial tonnage potential and warrant assessment for high volume, low cost open mining potential.

Falconbridge drill hole spacing along strike and down dip on the Barre de Fer sulfides zone were not of sufficient density to neither determine the zone's continuity nor accurately measure the true thickness of the mineralized intervals. Exploration at Haut-Plateau Est is at an early stage and much more drilling is warranted to establish the full extend and grade of the breccia vein zone and the disseminated Ni-Cu-Co mineralization. Also, with the discovery of important concentrations of Ni mineralization at PYC and Barre de Fer by following up THEM conductors, remaining strong to moderate conductors should be examined thoroughly.

REFERENCES

MB 92-10 - CARTE GEOLOGIQUE DE LA REGION DU PETIT LAC MANICOUAGAN. 1992, Par DANIS, D. 0 pages. 1 CARTE (ECHELLE 1/50 000). 1 microfiche.

PRO 91-09 - NOUVEAUX INDICES MINERALISES DE CU-NI-CO SUR LE PLATEAU DE MANICOUAGAN. 1991, Par DANIS, D, CLARK, T. 4 pages. . 1 microfiche.

PRO 91-10 - NEW CU-NI-CO SHOWINGS ON THE MANICOUAGAN PLATEAU. 1991, Par DANIS, D, CLARK, T. 4 pages. . 1 microfiche.

MB 89-33 - GEOCHIMIE DES SEDIMENTS DE LAC, REGION DE FERMONT. 1989, Par BEAUMIER, M. 12 pages. 41 CARTES (ECHELLE 1/500 000). 8 microfiches.

MB 89-58 - ANALYSE MULTIDIMENSIONNELLE DE DONNEES GEOCHIMIQUES DE SEDIMENTS LACUSTRES DANS LA REGION DE MANICOUAGAN. 1989, Par MARCOTTE, D, FOY, J S. 62 pages. . 2 microfiches.

MB 88-38 - AIRES D'ACTIVITE GEOCHIMIQUE DANS LES SEDIMENTS DE LAC DE LA REGION DE FERMONT - QUELQUES CONSIDERATIONS SUR LE POTENTIEL MINERAL -. 1988, Par BEAUMIER, M. 23 pages. 1 CARTE (ECHELLE 1/500 000). 1 microfiche.

DP-86-18 - GEOCHIMIE DES SEDIMENTS DE LAC - REGION DE MANICOUAGAN. 1987, Par CHOINIERE, J. 0 pages. 11 PLANS (ECHELLE 1/500 000). 3 microfiches.

DV 83-14 - CARTE DES GITES MINERAUX DU QUEBEC: REGION DE LA COTE NORD. 1984, Par AVRAMTCHEV, L. 19 pages. CARTES M-353 A M-370 (ECHELLE 1/250 000) ET 1 LEGENDE. 1 microfiche.

CL 022O - CARTE DE LOCALISATION DES TRAVAUX GEOSCIENTIFIQUES 022O. 1981, Par MRN. 0 pages. 1 CARTE (ECHELLE 1/250 000) EN PLUSIEURS FEUILLETS.

GM 49161 - LEVE GEOCHIMIQUE DE SEDIMENTS DE FONDS DE LACS (PLANS SEULEMENT), PROJET MANIC 22-2002. 1978, Par RICHARD, M. 2 pages. 19 cartes. 11 microfiches.

GM 49160 - RAPPORT DE RECONNAISSANCE GEOLOGIQUE ET DES LEVES SPECTROMETRIQUE AERIEN ET GEOCHIMIQUE (SEDIMENTS DE LAC), CAMPAGNE ETE 1977, PROJET MANIC 22-2002. 1977, Par ARMSTRONG, E, LACASSE, J. 334 pages. 1 carte. 7 microfiches.

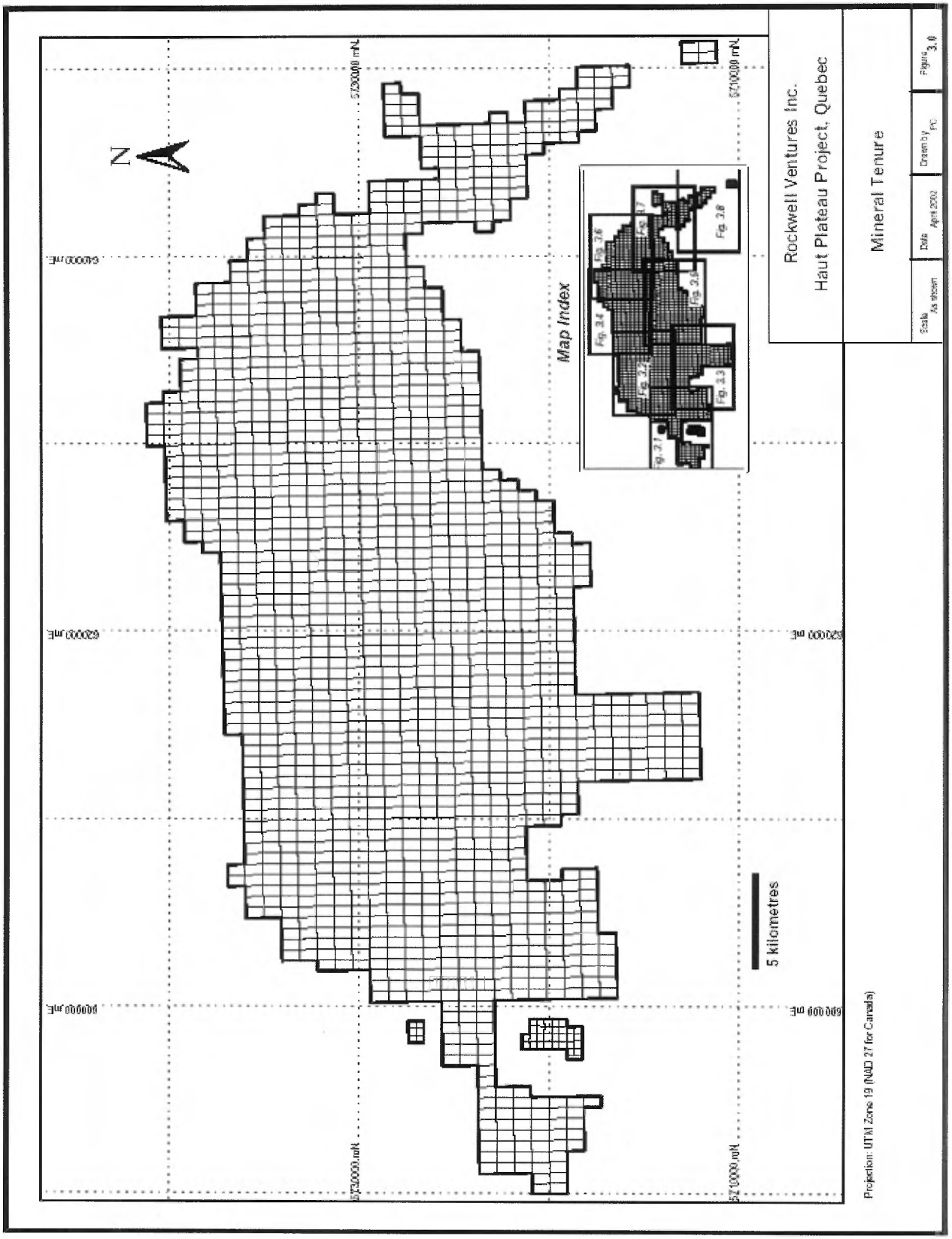
RG 162 - REGION DES RIVIERES BETSIAMITES (BERSIMIS) ET MOISIE, (GRENVILLE 1968-1969). 1975, Par FRANCONI, A, SHARMA, K N M, LAURIN, A F. 149 pages. CARTES 1773, 1778, 1779, 1784, 1785 ET 1788 (ECHELLE 1/250 000). 5 microfiches.

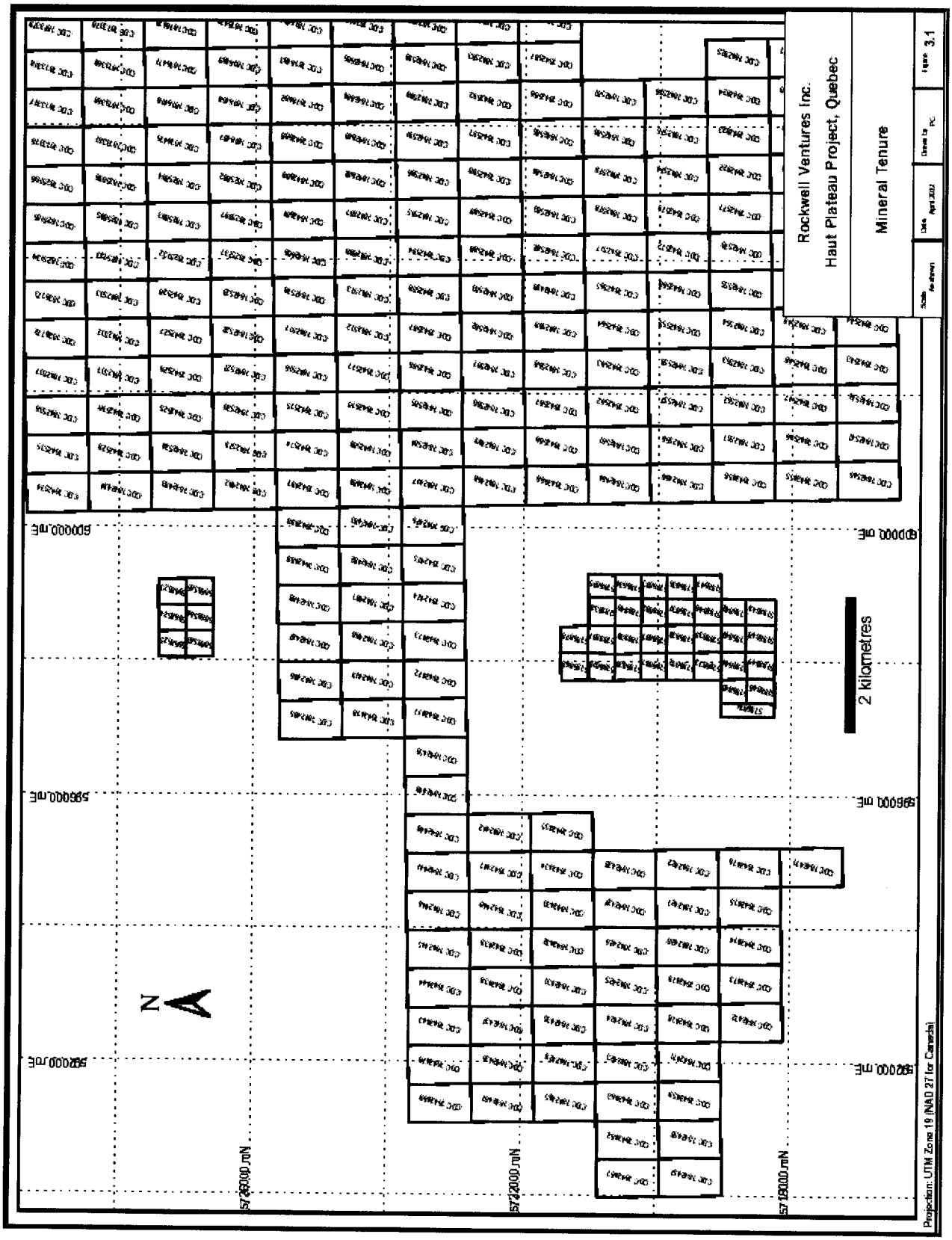
DP 127 - GEOLOGIE DE LA REGION DES RIVIERES BERSIMIS, PAPINACHOIS, AUX OUTARDES, MANICOUAGAN, SAINTE-MARGUERITE ET MOISIE (COMTE DE SAGUENAY): PROJET GRENVILLE 1968-1969. 1971, Par FRANCONI, A, LAURIN, A F, SHARMA, K N M. 138 pages. 4 CARTES (ECHELLE 1/253 440). 4 microfiches.

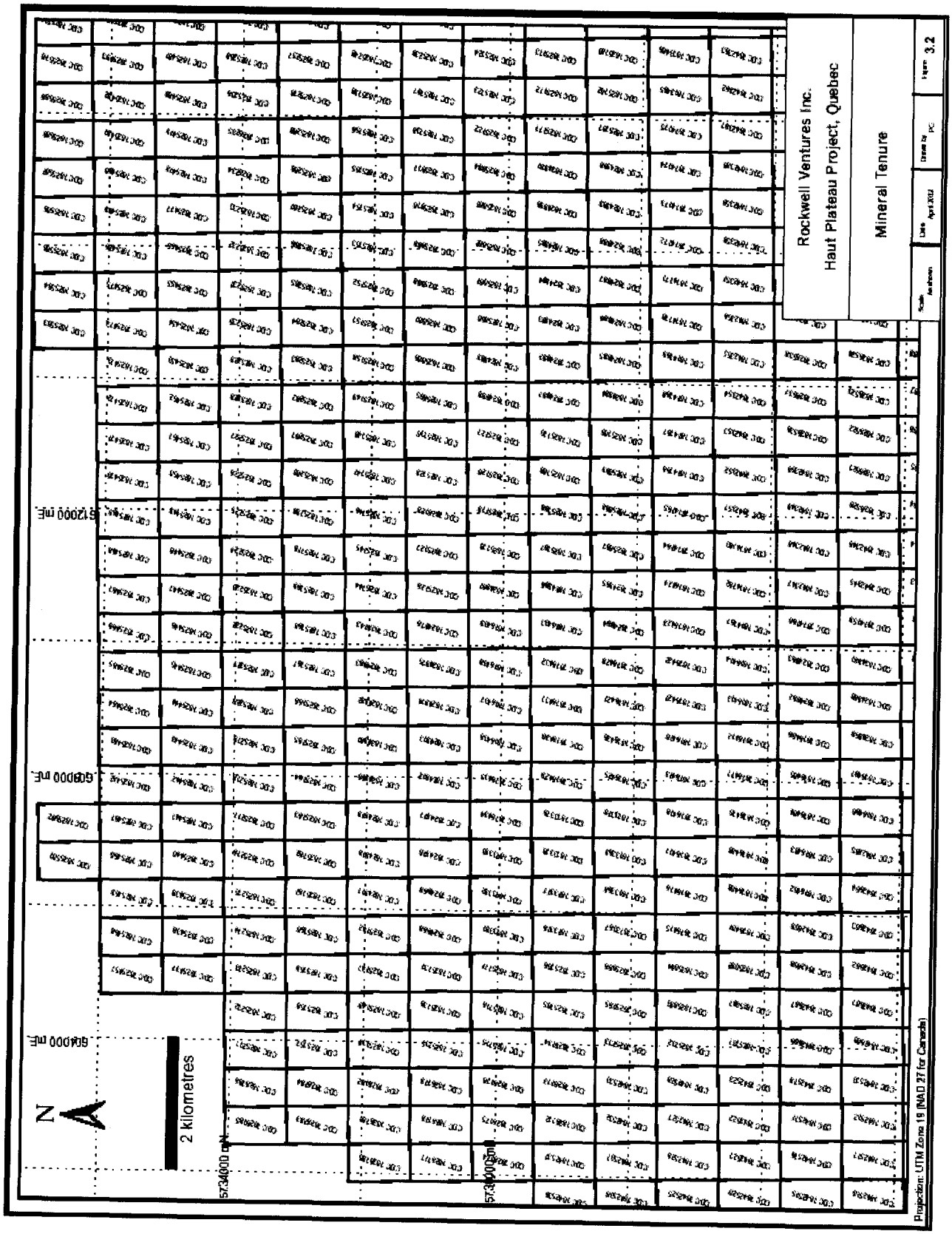
GM 26140 - RAPPORT DES POSSIBILITES DE MISE EN EXPLOITATION DES RESERVES DE MINERAI POUR CHOISIR LA CAPACITE D'UNE NOUVELLE LIGNE D'ELECTRICITE DANS LA REGION, SOUS-STATION MONTAGNAIS. 1970, Par SIROIS, R. 36 pages. 1 carte. 1 microfiche.

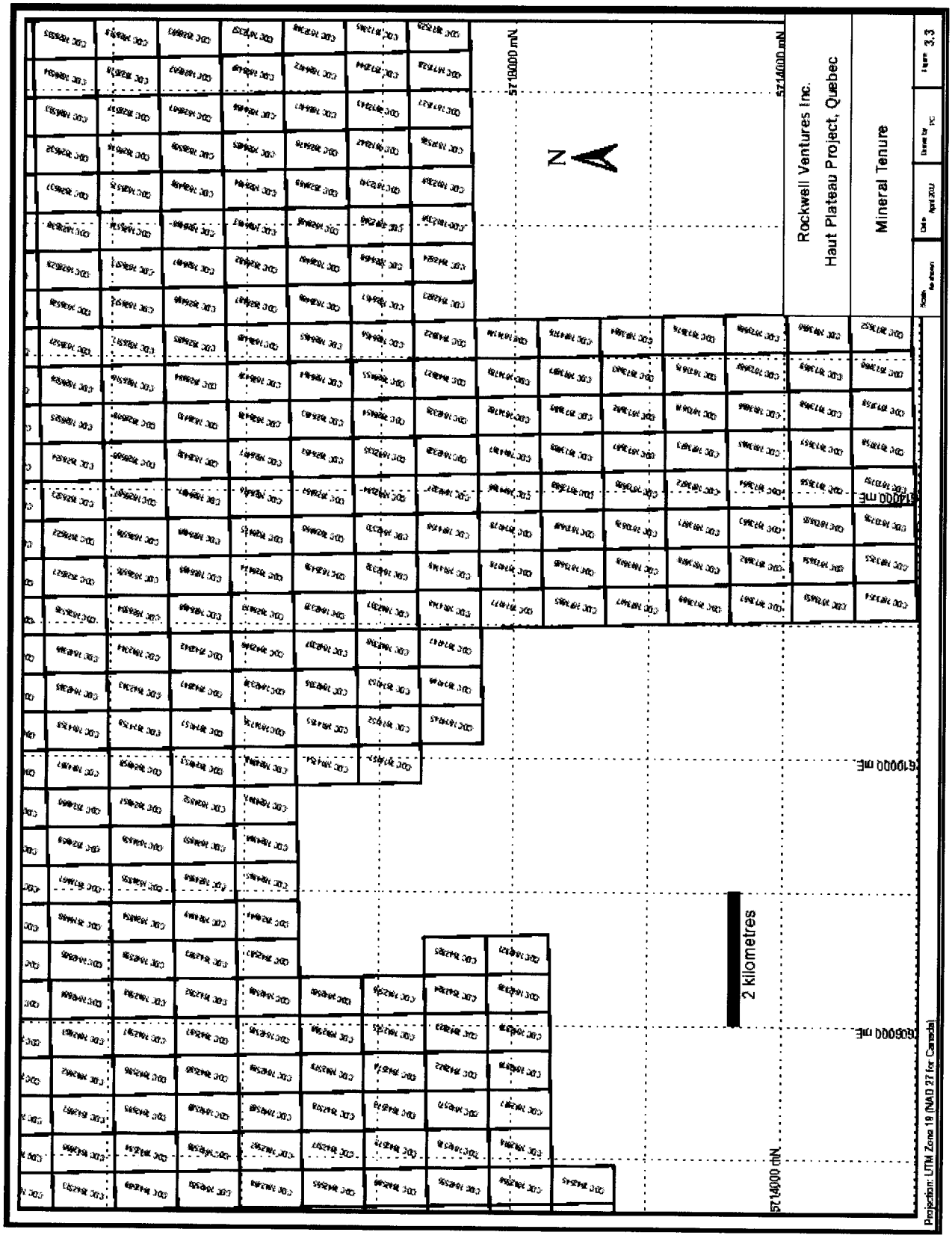
APPENDIX A

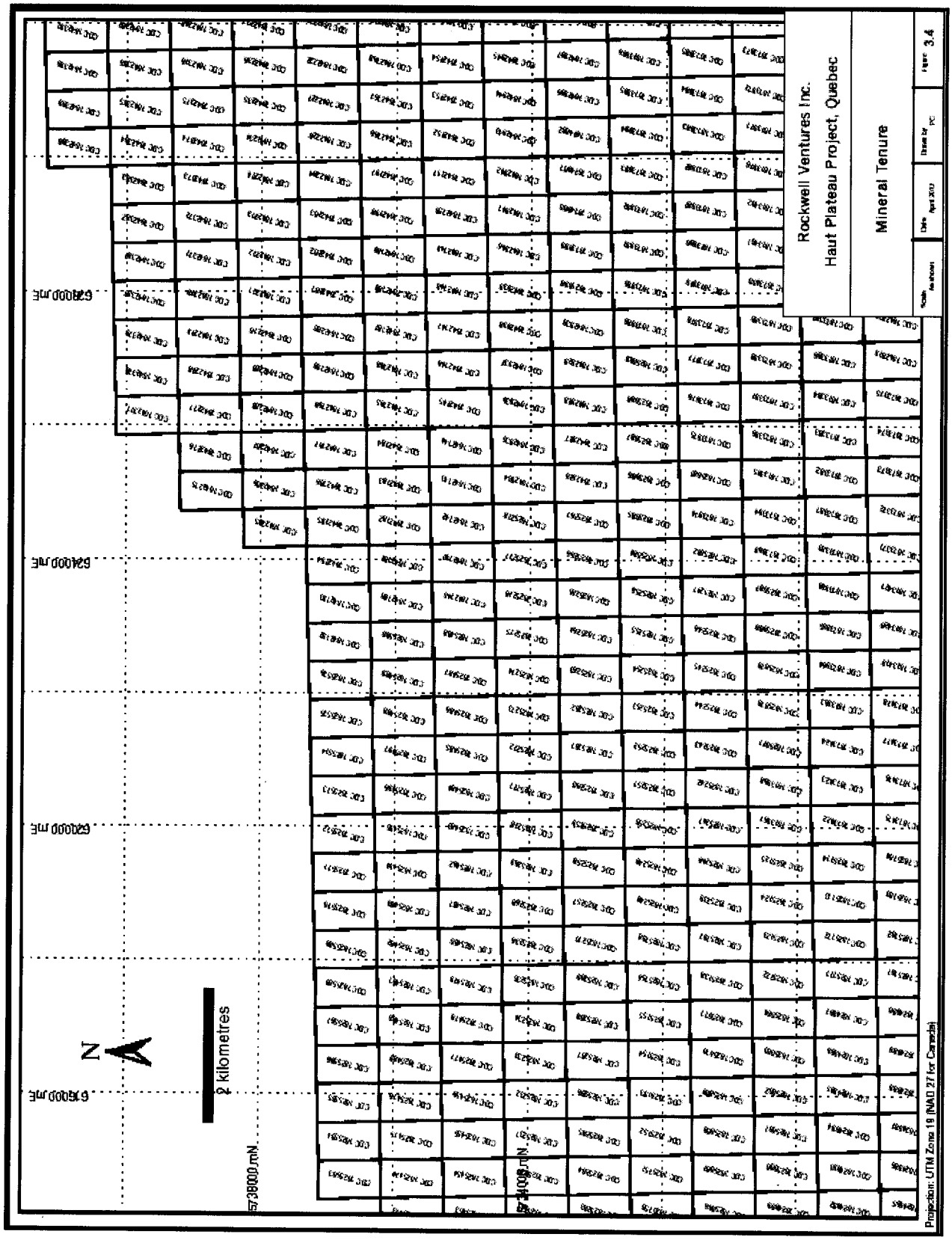
LIST OF MINERAL CLAIMS

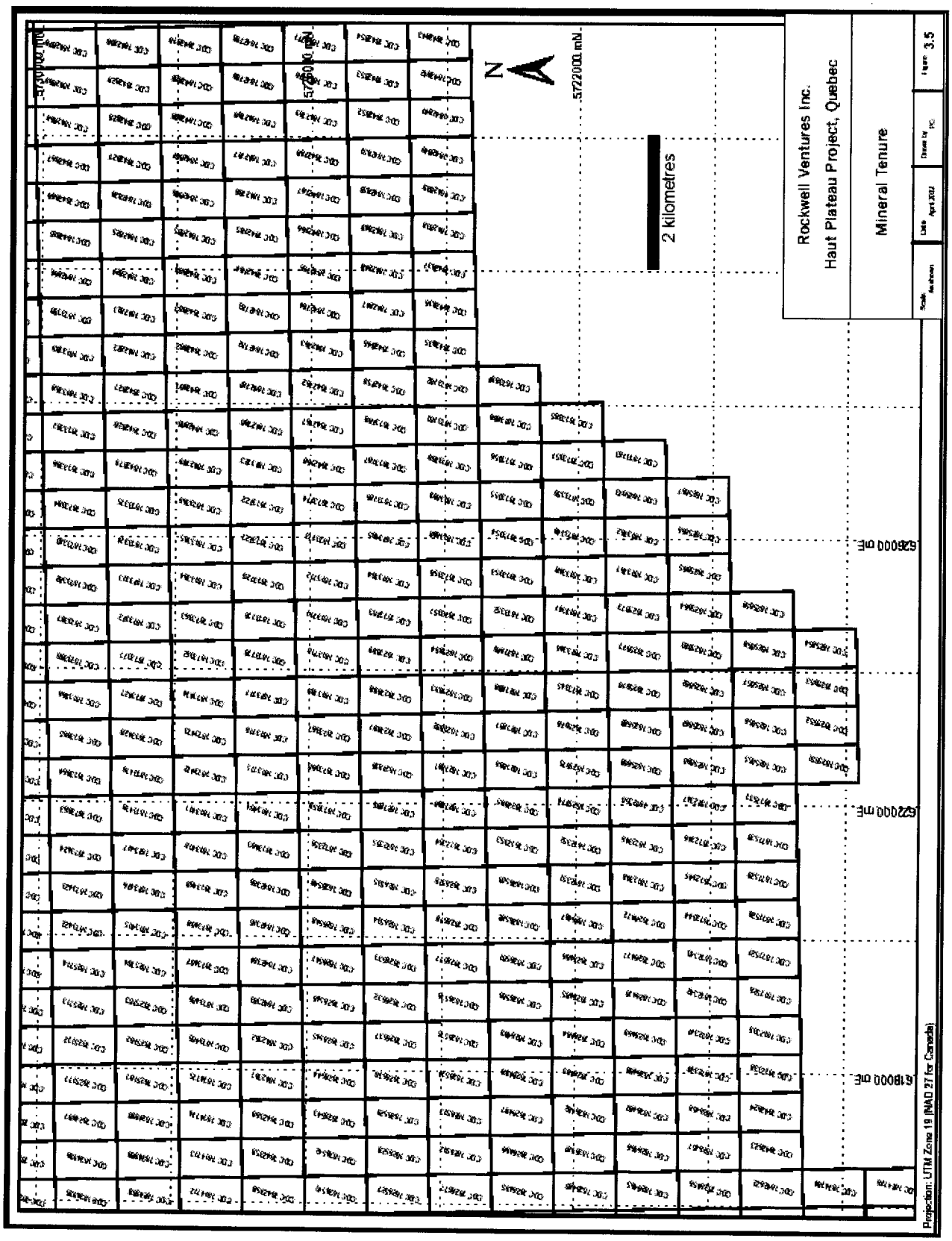

Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Mineral Tenure
Figure 3.0
Drawn by PC
Date April 2002
Scale As shown
N
Map Index
Fig. 3.1
Fig. 3.2
Fig. 3.3
Fig. 3.4
Fig. 3.6
Fig. 3.8
5 kilometres
Projection: UTM Zone 19 (NAD 27 for Canada)

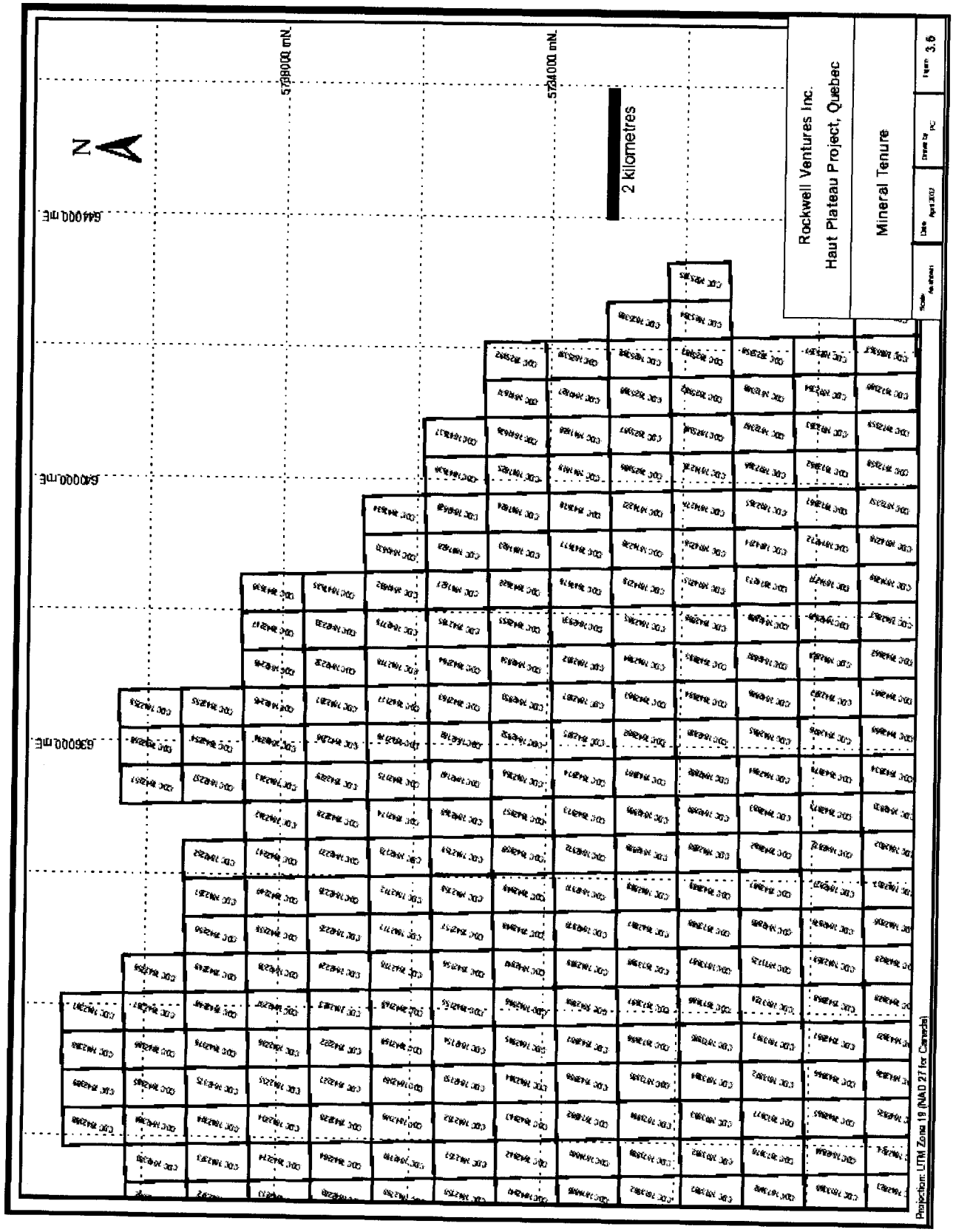

Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Mineral Tenure
Figure 3.1
Drawn by PC
Date April 2002
Scale As shown
2 kilometres
N
Projection: UTM Zone 19 (NAD 27 for Canada)

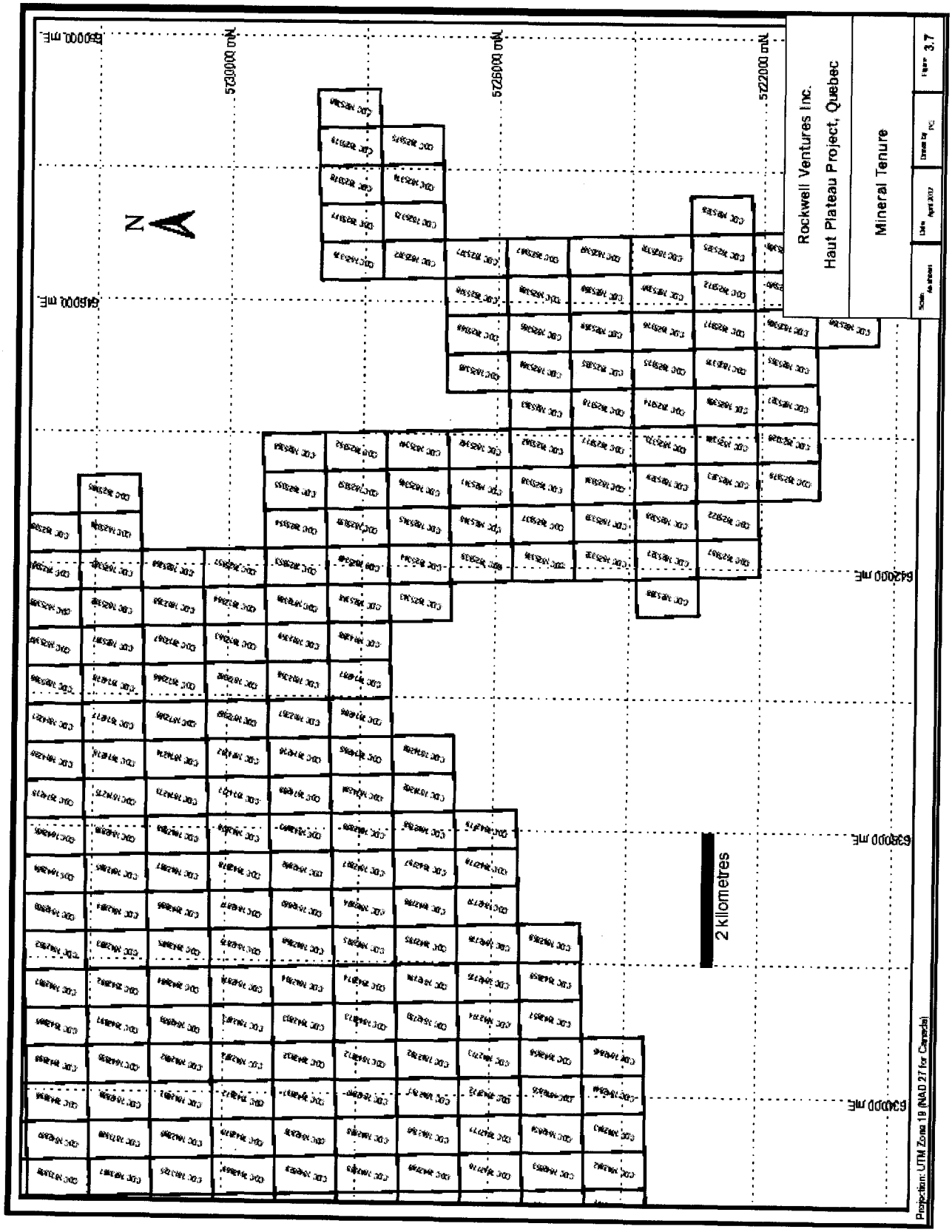

Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Mineral Tenure
Figure 3.2
Drawn By: PC
Date: April 2002
Scale: As shown
612000 mE
608000 mE
604000 mE
5734000 mN
5730000 mN
2 kilometres
N
Projection: UTM Zone 19 (NAD 27 for Canada)

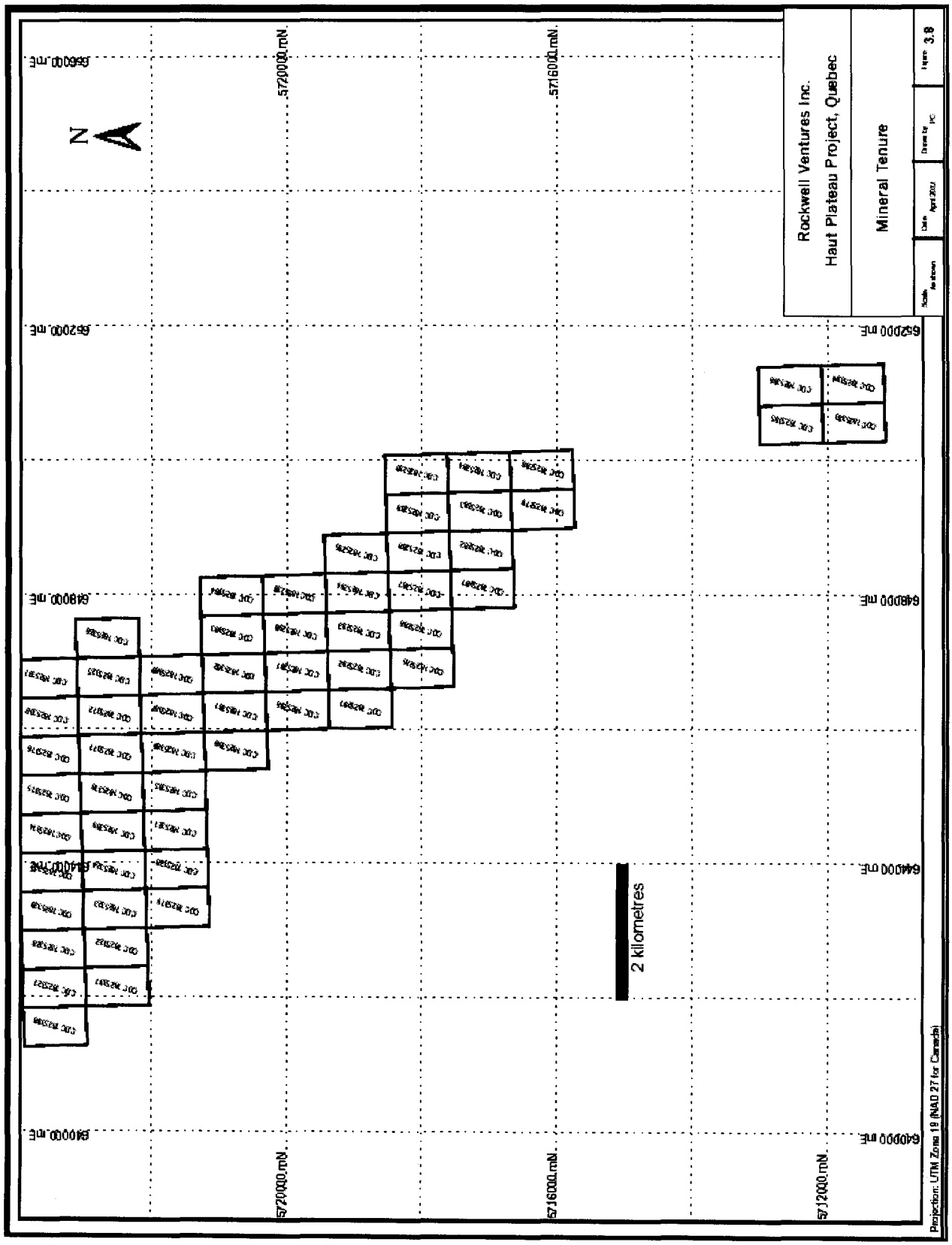

5719000 mN
5714000 mN
N
Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Mineral Tenure
Figure 3.3
Drawn by PC
Date April 2002
Scale
610000 mE
606000 mE
2 kilometres
Projection: UTM Zone 18 (NAD 27 for Canada)


Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Mineral Tenure
Figure 3.4
Drawn by PC
Date April 2002
Scale As shown
N
2 kilometres
638000 mE
634000 mE
630000 mE
626000 mE
5738000 mN
5734000 mN
Projection: UTM Zone 19 (NAD 27 for Canada)


N
5722000 mN
2 kilometres
Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Mineral Tenure
Figure 3.5
Drawn by PC
Date April 2002
Scale As shown
626000 mE
622000 mE
618000 mE
Projection: UTM Zone 18 (NAD 27 for Canada)


5738000 mN
5734000 mN
2 kilometres
N
644000 mE
640000 mE
636000 mE
Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Mineral Tenure
Figure 3.6
Drawn by PC
Date April 2002
Scale As shown
Projection: UTM Zone 19 (NAD 27 for Canada)


Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Mineral Tenure
Figure 3.7
Drawn By: PC
Date: April 2002
Scale: As Shown
5730000 mN
5726000 mN
5722000 mN
650000 mE
646000 mE
642000 mE
638000 mE
634000 mE
N
2 kilometres
Projection: UTM Zone 18 (NAD 27 for Canada)


Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Mineral Tenure
N
2 kilometres
652000 mE
648000 mE
644000 mE
640000 mE
5720000 mN
5716000 mN
5712000 mN
Projection: UTM Zone 19 (NAD 27 for Canada)

APPENDIX B

WHOLE ROCK ANALYSIS AND ASSAY RESULTS

INTERTEK TESTING SERVICES (CHIMITEC)

Samples for economic analysis (including Ni, Cu, Co, Au, Pt, Pd) were crushed (<10mm), split, pulverized to -150 mesh. The Ni, Cu, Co group was digested by HF-HNO3-HClO4-HCl and analyzed by atomic absorption (AA). The Au, Pt, Pd group was determined by fire assay. Sulfur was measured by LECO fusion.

Samples for whole rock analysis were crushed (<10mm), split, pulverized to -150 mesh. Determination of the 11 major oxides, was by x-ray fluorescence (XRF) on lithium borate fused glass beads, with detection levels of ~0.01%. Rb, Sr, Y, Zr, Nb, Th, Cs and Ba were determined by XRF on pressed powder pellets, with detection levels of 1-10 ppm. Ta was digested by H3PO4-HNO3-HF and analyzed by induce couple plasma. Ni, Cu, Co and V were determined by HF-HNO3-HClO4-HCl digestion followed by atomic absorption analysis. Sulfur was measured by LECO fusion. Gold, platinum and palladium were determined by fire assay.

Table VII

Drilling Results Economic Assay
Project 151, Haut Plateau Est, Sept-Îles, Qc

Hole ID	From (m)	To (m)	Sample	Length (m)	Ni (ppm)	Cu (ppm)	Co (ppm)	Au (ppb)	Pt (ppb)	Pd (ppb)	S (%)	Specific Gravity
151-01	17.5	19	HPE00090	**1.50**	636	64	147	3	-5	-1	0.19	
151-01	19	19.85	HPE00091	**0.85**	7,319	5,179	567	70	16	21	9.75	3.43
151-01	19.85	21	HPE00092	**1.15**	16,513	3,411	1,206	10	5	26	21.56	3.80
151-01	21	22.3	HPE00093	**1.30**	19,706	1,312	1,475	10	5	53	24.25	3.85
151-01	22.3	22.55	HPE00094	**0.25**	1,424	432	161	-1	-5	2	1.56	3.35
151-01	22.55	22.75	HPE00095	**0.20**	19,071	607	1,389	22	5	63	24.70	4.23
151-01	22.75	23.9	HPE00096	**1.15**	3,649	2,785	304	10	-5	5	5.29	
151-01	23.9	24.45	HPE00097	**0.55**	6,516	1,435	526	6	-5	6	8.46	
151-01	24.45	24.8	HPE00098	**0.35**	5,662	4,346	469	48	12	13	7.32	
151-01	24.8	26.3	HPE00099	**1.50**	971	512	161	3	-5	1	0.39	
151-01	26.3	27.5	HPE00101	**1.20**	1,457	175	205	1	-5	2	1.48	
151-01	27.5	28.75	HPE00102	**1.25**	785	262	123	2	5	-1	0.60	
151-01	28.75	28.9	HPE00103	**0.15**	15,810	1,078	1,215	3	-5	40	22.51	
151-01	28.9	30.4	HPE00104	**1.50**	598	67	158	1	-5	-1	0.20	
151-01	93.2	94.6	HPE00274	**1.40**	651	181	149	-9	-9	-9	0.33	
151-01	94.6	95.5	HPE00275	**0.90**	7,139	2,880	605	-9	-9	-9	9.69	3.59
151-01	95.4	96.8	HPE00276	**1.40**	25,200	7,282	1,902	-9	-9	-9	34.11	4.28
151-01	96.8	97.9	HPE00277	**1.10**	27,800	16,693	2,131	-9	-9	-9	35.96	4.48
151-01	97.9	99.2	HPE00278	**1.30**	6,699	1,330	547	-9	-9	-9	7.80	2.86
151-01	99.2	100.4	HPE00279	**1.20**	9,226	972	714	-9	-9	-9	11.84	3.23
151-01	100.4	101.2	HPE00281	**0.80**	136	542	21	-9	-9	-9	0.23	
151-01	101.2	102.5	HPE00282	**1.30**	2,372	687	268	-9	-9	-9	3.09	
151-01	102.5	103.7	HPE00283	**1.20**	517	145	140	-9	-9	-9	0.27	
151-02	18.9	20.4	HPE00105	**1.50**	23	10	-3	-1	-5	-1	0.04	
151-02	20.4	20.9	HPE00106	**0.50**	501	146	96	2	-5	2	0.45	
151-02	20.9	21.1	HPE00107	**0.20**	11,396	5,048	747	8	5	13	15.74	
151-02	21.2	22.55	HPE00108	**1.35**	246	43	56	-1	-5	-1	0.13	
151-02	22.55	23.7	HPE00109	**1.15**	653	55	145	-1	-5	-1	0.20	
151-02	23.7	24.55	HPE00110	**0.85**	5,900	2,622	395	30	8	16	9.17	
151-02	24.55	26	HPE00111	**1.45**	45	29	-3	-1	-5	-1	0.07	
151-02	50.5	52	HPE00112	**1.50**	615	69	143	-1	5	-1	0.26	
151-02	52	52.4	HPE00113	**0.40**	5,539	3,515	451	43	-5	11	8.25	
151-02	52.4	52.95	HPE00114	**0.55**	2,754	189	250	4	-5	3	3.24	
151-02	52.95	53.45	HPE00115	**0.50**	14,484	628	1,101	2	-5	14	22.55	
151-02	53.45	54.95	HPE00116	**1.50**	505	48	101	1	-5	-1	0.23	
151-02	64.05	65.55	HPE00117	**1.50**	850	143	142	1	-5	-1	0.52	
151-02	65.55	67	HPE00118	**1.45**	19,413	10,234	1,458	20	152	40	26.06	4.06
151-02	67	68.4	HPE00119	**1.40**	23,400	10,848	1,673	13	9	33	29.81	4.22
151-02	68.4	69	HPE00121	**0.60**	1,800	4,087	188	2	-5	5	2.49	3.02
151-02	69	69.5	HPE00122	**0.50**	24,400	3,853	1,743	11	-5	46	29.65	4.23
151-02	69.5	69.8	HPE00123	**0.30**	6,320	3,565	520	1	7	6	8.62	3.57
151-02	69.8	71	HPE00124	**1.20**	18,937	4,325	1,371	9	-5	27	25.68	4.13
151-02	71	71.85	HPE00125	**0.85**	1,299	562	183	2	-5	-1	0.87	3.24
151-02	71.85	73.25	HPE00126	**1.40**	17,383	1,223	1,279	16	-5	22	24.08	3.98
151-02	73.25	74.35	HPE00127	**1.10**	5,682	13,473	474	84	-5	431	9.10	3.49
151-02	74.35	74.95	HPE00128	**0.60**	14,672	7,701	1,091	48	-5	22	21.32	3.86
151-02	74.95	75.75	HPE00129	**0.80**	5,846	2,710	490	-1	-5	5	9.25	
151-02	75.75	77	HPE00130	**1.25**	1,500	874	205	-1	-5	1	1.64	
151-02	77	78.2	HPE00131	**1.20**	1,195	242	166	-1	-5	1	1.35	
151-02	78.2	78.65	HPE00132	**0.45**	7,077	5,743	564	16	6	12	10.25	
151-02	78.65	79.5	HPE00133	**0.85**	23,600	5,634	1,667	16	6	91	28.75	
151-02	79.5	80.3	HPE00134	**0.80**	5,213	5,158	407	6	-5	12	7.48	
151-02	80.3	80.75	HPE00135	**0.45**	562	558	115	13	7	2	0.51	
151-02	80.75	81.35	HPE00136	**0.40**	2,957	2,211	251	14	-5	10	3.90	
151-02	81.35	81.5	HPE00137	**0.15**	3,710	5,240	310	6	-5	6	4.21	
151-02	81.5	82	HPE00138	**0.50**	27,200	2,419	1,920	4	-5	50	33.61	

Table VII (cont'd)

Drilling Results Economic Assay
Project 151, Haut Plateau Est, Sept-Îles, Qc

Hole ID	From (m)	To (m)	Sample	Length (m)	Ni (ppm)	Cu (ppm)	Co (ppm)	Au (ppb)	Pt (ppb)	Pd (ppb)	S (%)	Specific Gravity
151-02	82	82.35	HPE00139	**0.35**	1,391	514	144	-1	-5	1	1.67	
151-02	82.35	83.85	HPE00141	**1.50**	403	53	94	-1	-5	-1	0.21	
151-02	83.85	85	HPE00142	**1.15**	664	115	116	3	-5	7	0.37	
151-02	85	86.3	HPE00143	**1.30**	541	116	95	-1	-5	1	0.37	
151-02	86.3	87.45	HPE00144	**1.15**	543	124	101	-1	-5	-1	0.40	
151-02	87.45	88.45	HPE00145	**1.00**	1,521	577	172	3	-5	4	1.83	
151-02	88.45	89.4	HPE00146	**0.95**	1,500	1,057	162	-1	-5	4	1.60	
151-02	89.4	90.9	HPE00147	**1.50**	714	234	108	3	-5	2	0.67	
151-02	127.7	128.25	HPE00148	**0.55**	1,563	872	145	6	7	6	1.65	
151-02	136.2	137.7	HPE00149	**1.50**	205	311	55	1	-5	-1	0.10	
151-02	137.7	138	HPE00150	**0.30**	3,386	38,000	317	76	-5	8	7.59	
151-02	138	138.7	HPE00151	**0.70**	376	2,745	76	1	-5	-1	0.57	
151-02	142.55	143.95	HPE00152	**1.40**	573	151	117	2	-5	-1	0.44	
151-02	143.95	144.25	HPE00153	**0.30**	9,411	3,584	696	5	-5	15	10.56	
151-02	144.25	144.9	HPE00154	**0.65**	937	946	81	4	6	3	0.76	
151-02	144.9	146.4	HPE00155	**1.50**	3,533	1,116	272	3	-5	10	4.26	
151-03	13.4	14.9	HPE00035	**1.50**	35	54	13	1	-5	-1	0.89	
151-03	14.9	16.2	HPE00036	**1.30**	125	60	62	-1	-5	-1	0.46	
151-03	16.2	16.8	HPE00037	**0.60**	656	331	179	4	-5	5	2.43	
151-03	16.8	17.25	HPE00038	**0.45**	143	64	73	-1	-5	-1	0.43	
151-03	17.25	18.15	HPE00039	**0.90**	1,901	1,169	456	3	-5	5	6.92	
151-03	18.15	19.15	HPE00041	**1.00**	480	219	138	3	-5	2	1.77	
151-03	19.15	19.45	HPE00042	**0.30**	1,696	649	407	4	-5	5	6.35	
151-03	19.45	20.4	HPE00043	**0.95**	476	247	148	1	-5	1	1.82	
151-03	20.4	21.35	HPE00044	**0.95**	951	399	251	1	-5	2	3.45	
151-03	21.35	21.6	HPE00045	**0.25**	2,877	933	655	16	-5	9	10.54	
151-03	21.6	22.6	HPE00046	**1.00**	1,096	627	269	6	-5	4	4.23	
151-03	22.6	23.95	HPE00047	**1.35**	640	267	179	1	-5	2	2.41	
151-03	23.95	25.2	HPE00048	**1.25**	2,579	1,280	610	5	-5	6	9.70	
151-03	25.2	25.75	HPE00049	**0.55**	584	269	159	-1	-5	1	2.22	
151-03	25.75	26.45	HPE00050	**0.70**	263	167	97	1	-5	1	0.93	
151-03	26.45	27.85	HPE00051	**1.40**	2,615	1,212	577	1	-5	4	9.71	
151-03	27.85	28.65	HPE00052	**0.80**	1,583	888	405	3	-5	5	5.39	
151-03	28.65	29.6	HPE00053	**0.95**	776	438	205	3	-5	4	2.93	
151-03	29.6	30.15	HPE00054	**0.55**	2,647	1,520	608	4	16	6	10.35	
151-03	30.15	30.35	HPE00055	**0.20**	5,444	1,108	1,204	14	16	15	20.81	
151-03	30.35	30.9	HPE00056	**0.55**	2,461	1,642	558	18	-5	5	9.57	
151-03	30.9	31.35	HPE00057	**0.45**	7,270	1,147	1,555	7	7	14	27.72	
151-03	31.35	32.5	HPE00058	**1.15**	4,150	2,178	931	17	-5	17	15.80	
151-03	32.5	33.45	HPE00059	**0.95**	2,428	1,821	572	4	-5	8	9.26	
151-03	33.45	34.8	HPE00061	**1.35**	2,173	1,099	471	4	11	4	8.36	
151-03	34.8	36.3	HPE00062	**1.50**	1,149	613	273	4	-5	3	4.17	
151-03	36.3	37.8	HPE00063	**1.50**	1,158	654	309	2	-5	3	4.25	
151-03	37.8	38.2	HPE00064	**0.40**	2,059	843	490	11	-5	10	7.58	
151-03	38.2	38.6	HPE00065	**0.40**	4,157	2,960	977	23	-5	114	15.90	
151-03	38.6	39.95	HPE00066	**1.35**	1,818	2,016	395	10	-5	16	6.58	
151-03	39.95	40.35	HPE00067	**0.40**	2,099	1,126	477	4	-5	15	7.35	
151-03	40.35	41.4	HPE00068	**1.05**	1,250	702	318	1	-5	4	4.53	
151-03	41.4	42.7	HPE00069	**1.30**	3,340	1,670	772	10	-5	14	12.83	
151-03	42.7	44.1	HPE00070	**1.40**	4,442	2,163	952	-1	8	4	18.00	
151-03	44.1	44.4	HPE00071	**0.30**	6,210	510	1,360	6	-5	4	23.95	
151-03	44.4	44.9	HPE00072	**0.50**	4,211	1,685	955	56	-5	44	17.68	
151-03	44.9	46.4	HPE00073	**1.50**	678	508	183	-1	-5	3	2.75	
151-03	46.4	47.9	HPE00074	**1.50**	607	326	171	-1	-5	2	2.33	
151-03	47.9	49.4	HPE00075	**1.50**	811	609	210	2	-5	4	3.17	
151-03	49.4	50.9	HPE00076	**1.50**	761	334	204	-1	-5	2	2.82	

Table VII (cont'd)

Drilling Results Economic Assay
Project 151, Haut Plateau Est, Sept-Îles, Qc

Hole ID	From (m)	To (m)	Sample	Length (m)	Ni (ppm)	Cu (ppm)	Co (ppm)	Au (ppb)	Pt (ppb)	Pd (ppb)	S (%)	Specific Gravity
151-03	50.9	51.9	HPE00077	**1.00**	1,581	840	347	4	-5	8	6.27	
151-03	51.9	52.8	HPE00078	**0.90**	968	546	232	4	-5	2	3.51	
151-03	52.8	53.6	HPE00079	**0.80**	860	455	201	2	-5	3	3.26	
151-03	53.6	54.4	HPE00081	**0.80**	146	77	66	-1	-5	-1	0.45	
151-03	54.4	55.3	HPE00082	**0.90**	67	25	29	-1	-5	-1	0.20	
151-03	55.3	56.8	HPE00083	**1.50**	41	87	20	-1	-5	-1	0.87	
151-03	72	73.5	HPE00084	**1.50**	380	196	96	4	-5	13	1.07	
151-03	73.5	74.05	HPE00085	**0.55**	1,764	10,135	367	-1	-5	7	7.63	
151-03	74.05	74.7	HPE00086	**0.65**	290	176	97	-1	-5	-1	1.03	
151-03	74.7	76.2	HPE00087	**1.50**	379	282	47	-1	-5	5	1.40	
151-03	78.3	79.65	HPE00088	**1.35**	40	25	33	-1	-5	-1	0.18	
151-03	79.65	80	HPE00089	**0.35**	1,058	555	254	-1	11	4	3.56	
151-04	66.75	68.25	HPE00156	**1.50**	382	846	75	2	-5	2	0.70	
151-04	68.25	68.35	HPE00157	**0.10**	3,841	849	325	3	-5	10	4.58	
151-04	68.35	68.5	HPE00158	**0.15**	468	256	88	4	-5	5	0.53	
151-04	68.5	70	HPE00159	**1.50**	370	208	82	-1	-5	1	0.47	
151-04	84.7	86.2	HPE00161	**1.50**	311	209	76	-1	-5	1	0.42	
151-04	86.2	86.7	HPE00162	**0.50**	19,208	5,376	1,434	-1	-5	25	26.83	
151-04	86.7	87.7	HPE00163	**1.00**	1,066	1,749	130	8	14	5	1.60	
151-04	87.7	89.05	HPE00164	**1.35**	154	355	65	2	-5	-1	0.24	
151-04	122.7	123.3	HPE00168	**0.60**	502	260	111	3	-5	3	1.23	
151-04	145.8	147.2	HPE00169	**1.40**	151	113	64	1	-5	1	0.29	
151-04	147.2	148.6	HPE00170	**1.40**	451	208	66	9	-5	4	0.59	
151-04	148.6	149.7	HPE00171	**1.10**	1,818	842	160	6	-5	11	2.17	
151-04	149.7	150.75	HPE00172	**1.05**	2,284	882	182	4	5	11	2.40	
151-04	150.75	152.2	HPE00173	**1.45**	2,469	2,056	211	4	-5	6	3.16	
151-04	152.2	153.9	HPE00174	**1.70**	7,728	4,721	683	23	-5	18	10.53	
151-04	153.9	154.7	HPE00175	**0.80**	4,901	1,164	431	5	-5	17	6.44	
151-04	154.7	155.1	HPE00176	**0.40**	5,835	805	451	5	-5	24	7.37	
151-04	155.1	155.9	HPE00177	**0.80**	3,617	2,440	280	9	-5	9	4.85	
151-04	155.9	156.2	HPE00178	**0.30**	5,994	2,226	412	8	-5	12	7.74	
151-04	156.2	157.5	HPE00179	**1.30**	2,780	1,442	231	5	23	9	3.39	
151-04	157.5	159	HPE00181	**1.50**	2,596	2,325	218	6	9	7	3.02	
151-04	159	160.5	HPE00182	**1.50**	1,579	693	144	3	-5	5	1.90	
151-04	160.5	162	HPE00183	**1.50**	2,627	950	211	2	-5	5	3.07	
151-04	162	163.5	HPE00184	**1.50**	3,308	1,342	269	3	-5	7	4.06	
151-04	163.5	165	HPE00185	**1.50**	4,011	1,902	317	4	-5	9	4.88	
151-04	165	166.5	HPE00186	**1.50**	4,182	1,200	342	6	5	10	4.45	
151-04	166.5	168	HPE00187	**1.50**	4,687	4,473	373	6	-5	12	6.17	
151-04	168	169.5	HPE00188	**1.50**	2,877	805	239	3	-5	7	3.17	
151-04	169.5	171	HPE00189	**1.50**	3,141	2,675	282	4	-5	7	3.83	
151-04	171	172.5	HPE00190	**1.50**	3,758	1,193	309	3	-5	8	4.55	
151-04	172.5	174	HPE00191	**1.50**	3,889	1,335	314	2	-5	10	4.65	
151-04	174	175	HPE00192	**1.00**	3,848	1,353	317	4	-5	10	4.79	
151-04	175	175.8	HPE00193	**0.80**	3,602	1,727	291	8	-5	9	4.39	
151-04	175.8	176.2	HPE00194	**0.40**	5,778	4,624	396	74	-5	27	7.78	3.32
151-04	176.2	177.7	HPE00195	**1.50**	6,115	2,812	378	12	8	20	7.84	3.31
151-04	177.7	179.2	HPE00196	**1.50**	5,874	2,310	411	10	-5	15	7.71	3.14
151-04	179.2	180.7	HPE00197	**1.50**	5,619	4,461	407	7	-5	11	7.40	3.24
151-04	180.7	181.6	HPE00198	**0.90**	5,124	4,052	399	4	-5	9	6.69	3.20
151-04	181.6	182.6	HPE00199	**1.00**	12,106	-5	-5	21	-5	46	15.47	3.57
151-04	182.6	183.75	HPE00201	**1.15**	11,111	-5	-5	27	-5	26	15.05	3.49
151-04	183.75	185.25	HPE00202	**1.50**	5,013	1,398	380	3	-5	16	6.65	3.16
151-04	185.25	186.75	HPE00203	**1.50**	4,281	1,996	318	3	-5	9	5.34	3.19
151-04	186.75	188.3	HPE00204	**1.55**	5,081	2,010	367	4	-5	13	6.67	3.13
151-04	188.3	189.8	HPE00205	**1.50**	8,756	2,820	656	17	10	25	10.73	3.27
151-04	189.8	191.3	HPE00206	**1.50**	5,165	2,789	396	7	11	14	6.55	3.04

Table VII (cont'd)

Drilling Results Economic Assay
Project 151, Haut Plateau Est, Sept-Îles, Qc

Hole ID	From (m)	To (m)	Sample	Length (m)	Ni (ppm)	Cu (ppm)	Co (ppm)	Au (ppb)	Pt (ppb)	Pd (ppb)	S (%)	Specific Gravity
151-04	191.3	191.8	A-47190	**0.50**	9,447	2,920	700	11	-5	31	11.71	3.35
151-04	191.8	192.6	HPE00207	**0.80**	8,035	4,474	562	7	-5	9	9.57	3.23
151-04	192.6	194.1	HPE00208	**1.50**	4,840	1,647	415	3	-5	13	6.18	
151-04	194.1	195.6	HPE00209	**1.50**	3,681	1,897	309	3	-5	7	4.14	
151-04	195.6	197.1	HPE00210	**1.50**	2,594	1,418	218	2	-5	5	2.91	
151-04	197.1	198.6	HPE00211	**1.50**	3,626	1,413	300	1	-5	8	4.16	
151-04	198.6	199.6	HPE00212	**1.00**	2,779	1,125	248	-1	-5	7	3.43	
151-04	199.6	200.7	HPE00213	**1.10**	2,737	1,130	244	5	-5	8	3.36	
151-04	200.7	201.35	HPE00214	**0.65**	6,823	3,632	526	22	331	31	9.15	
151-04	201.35	202.4	HPE00215	**1.05**	3,620	7,615	293	10	-5	12	4.56	
151-04	202.4	203	HPE00216	**0.60**	6,747	6,293	453	16	-5	23	8.78	
151-04	203	204.4	HPE00289	**1.40**	5,367	1,507	377	8	-5	15	6.51	
151-04	204.4	206	HPE00290	**1.60**	3,111	1,880	292	10	19	12	3.76	
151-04	206	207.3	HPE00291	**1.30**	1,716	1,066	175	4	-5	5	2.05	
151-04	207.3	209	HPE00292	**1.70**	1,855	986	168	4	-5	5	2.28	
151-04	209	210.5	HPE00293	**1.50**	18	28	28	1	-5	-1	0.09	
151-05	26	26.9	HPE00165	**0.90**	114	32	65	1	-5	-1	0.90	
151-05	48.5	48.8	HPE00166	**0.30**	2,584	952	198	98	-5	11	2.96	
151-05	51	51.4	HPE00167	**0.40**	3,997	914	318	4	-5	7	5.00	
151-06	69.4	70.8	HPE00217	**1.40**	877	426	155	2	-5	3	1.01	
151-06	70.8	72.3	HPE00218	**1.50**	1,100	686	162	9	-5	4	1.26	
151-06	72.3	73.7	HPE00219	**1.40**	2,047	953	217	1	-5	3	2.39	
151-06	73.7	74.3	HPE00221	**0.60**	4,684	1,656	385	3	-5	14	5.55	
151-06	74.3	75.7	HPE00222	**1.40**	1,615	1,172	154	1	-5	5	1.80	
151-06	75.7	76.2	HPE00223	**0.50**	3,278	1,297	278	2	-5	8	3.77	
151-06	76.2	77.5	HPE00224	**1.30**	1,205	937	163	68	-5	4	1.17	
151-06	77.5	78	HPE00225	**0.50**	2,569	1,162	243	2	5	3	3.01	
151-06	78	79.3	HPE00226	**1.30**	512	125	140	-1	-5	-1	0.33	
151-06	86.4	86.6	HPE00227	**0.20**	11,660	1,831	830	19	-5	27	13.67	
151-06	131.5	132.65	HPE00228	**1.15**	218	66	75	1	-5	-1	0.17	
151-06	132.65	133	HPE00229	**0.35**	7,712	1,249	618	5	99	28	9.67	
151-06	133	134.1	HPE00230	**1.10**	592	864	96	-1	-5	-1	0.87	
151-06	134.1	135.3	HPE00231	**1.20**	1,287	1,679	163	10	-5	7	1.67	
151-06	135.3	135.9	HPE00232	**0.60**	22,500	3,632	1,542	58	-5	63	29.70	
151-06	135.9	136.7	HPE00233	**0.80**	2,846	1,376	252	2	-5	5	3.39	
151-06	136.7	137.2	HPE00234	**0.50**	920	653	126	4	-5	3	0.99	
151-06	137.2	138.9	HPE00235	**1.70**	7,056	2,911	533	63	-5	30	9.74	
151-06	138.9	140.5	HPE00236	**1.60**	3,689	1,001	316	3	-5	18	5.31	
151-06	140.5	142	HPE00237	**1.50**	1,976	1,233	194	3	-5	9	2.46	
151-06	157.9	159.5	HPE00238	**1.60**	940	389	133	1	-5	3	0.82	
151-06	159.5	160.2	HPE00239	**0.70**	4,019	2,326	330	6	-5	13	4.56	
151-06	160.2	161.6	HPE00241	**1.40**	165	157	55	-1	-5	-1	0.28	
151-06	188.2	189.7	HPE00286	**1.50**	31	34	10	-1	-5	-1	0.06	
151-06	189.7	190.7	HPE00242	**1.00**	12,028	3,876	955	10	-5	37	13.84	3.15
151-06	190.7	191.6	HPE00243	**0.90**	27,400	4,372	1,855	17	-5	69	28.07	4.25
151-06	191.6	192.7	HPE00244	**1.10**	11,041	5,191	808	26	-5	29	12.30	3.22
151-06	192.7	194	HPE00245	**1.30**	1,648	728	171	2	-5	3	2.02	3.03
151-06	194	195.2	HPE00246	**1.20**	6,176	3,911	441	6	-5	5	7.72	3.11
151-06	195.2	195.8	HPE00247	**0.60**	9,704	6,568	647	10	301	33	12.76	3.07
151-06	195.8	197	HPE00248	**1.20**	23,600	3,606	1,564	21	-5	49	25.17	4.19
151-06	197	198.1	HPE00249	**1.10**	4,320	10,253	397	11	-5	8	6.63	3.26
151-06	198.1	199.5	HPE00250	**1.40**	17,982	8,241	1,310	27	-5	32	22.76	4.16
151-06	199.5	200.1	HPE00251	**0.60**	25,200	4,771	1,750	23	-5	55	29.62	4.22
151-06	200.1	202.1	HPE00252	**2.00**	2,324	636	286	4	-5	9	2.78	
151-06	209.5	211	HPE00253	**1.50**	2,118	2,073	277	7	-5	4	2.62	
151-06	211	211.8	HPE00254	**0.80**	13,729	13,110	970	18	15	46	15.96	

Table VII (cont'd)

Drilling Results Economic Assay
Project 151, Haut Plateau Est, Sept-Îles, Qc

Hole ID	From (m)	To (m)	Sample	Length (m)	Ni (ppm)	Cu (ppm)	Co (ppm)	Au (ppb)	Pt (ppb)	Pd (ppb)	S (%)	Specific Gravity
151-06	211.8	212.55	HPE00255	**0.75**	565	66	136	2	-5	1	0.19	
151-06	230.1	231.6	HPE00256	**1.50**	2,192	6,254	227	4	-5	8	3.02	
151-06	231.6	233	HPE00257	**1.40**	1,552	266	192	2	-5	4	1.70	
151-06	233	234.4	HPE00258	**1.40**	17,095	12,046	1,235	12	-5	24	19.04	
151-06	234.4	235.7	HPE00259	**1.30**	674	655	125	1	-5	1	0.59	
151-06	235.7	237.6	HPE00287	**1.90**	484	156	125	1	-5	-1	0.30	
151-06	237.6	238.7	HPE00261	**1.10**	2,992	2,093	280	4	-5	5	3.54	
151-06	238.7	240.2	HPE00288	**1.50**	509	75	152	-1	-5	-1	0.20	
151-06	252.5	253.9	HPE00262	**1.40**	1,483	823	187	5	10	1	1.66	
151-06	253.9	254.5	HPE00263	**0.60**	18,164	6,747	1,426	7	-5	20	25.18	
151-06	254.5	255.7	HPE00264	**1.20**	1,971	914	192	3	-5	6	2.41	
151-06	276.8	277.2	HPE00265	**0.40**	3,439	2,056	356	1	-5	6	5.11	
151-06	280.5	282	HPE00266	**1.50**	534	60	138	2	-5	1	0.22	
151-06	282	282.7	HPE00267	**0.70**	2,150	1,791	235	18	-5	7	2.80	
151-06	282.7	283.2	HPE00268	**0.50**	15,759	23,100	1,401	20	25	13	28.85	
151-06	283.2	284.3	HPE00269	**1.10**	833	893	118	6	-5	10	1.12	
151-06	284.3	286.5	HPE00270	**2.20**	204	92	59	1	-5	-1	0.15	
151-06	286.5	287.1	HPE00271	**0.60**	14,110	3,322	1,307	14	6	11	21.10	
151-06	287.1	288.4	HPE00272	**1.30**	843	419	143	2	-5	18	0.68	
151-06	288.4	289.2	HPE00284	**0.80**	421	54	113	-1	-5	-1	0.18	
151-06	289.2	289.7	HPE00273	**0.50**	2,529	10,330	296	29	-5	461	4.59	
151-06	289.7	291.1	HPE00285	**1.40**	910	423	130	3	-5	3	1.01	

Table VIII

Drilling Results Whole Rock Analysis
Project 151, Haut Plateau Est, Sept-Îles, Qc

Sample	A-12551	A-12552	A-12553	A-12554	A-12555	A-12556	A-12557	A-12558	A-12559
Rock Code	I3K	I3K	I3J	I3J	I3K	I3J	I3J	I3J	I3J
Hole No.	151-01	151-01	151-01	151-01	151-01	151-01	151-01	151-01	151-04
from	105.20	114.50	131.50	173.90	175.50	185.00	191.80	198.80	222.00
to	105.35	114.65	131.70	174.05	175.70	185.20	192.00	199.00	222.15
Interv m	0.15	0.15	0.2	0.15	0.2	0.2	0.2	0.2	0.15
SiO2	43.54	44.41	51.67	44.43	50.65	46.13	51.91	51.40	49.39
TiO2	4.05	4.26	0.77	4.35	0.84	3.53	0.81	0.83	1.02
Al2O3	14.24	14.14	16.91	13.05	15.78	12.38	15.53	17.44	16.03
Fe2O3	16.29	17.56	11.45	18.37	12.16	19.67	11.57	10.86	11.13
MnO	0.19	0.22	0.17	0.26	0.18	0.30	0.17	0.16	0.14
MgO	5.46	4.79	7.82	4.05	8.57	3.39	8.53	7.21	7.76
CaO	7.61	7.86	7.70	7.82	7.88	7.04	7.60	8.37	7.58
Na2O	3.03	3.80	2.07	2.41	2.22	2.73	2.20	2.65	2.04
P2O5	0.81	0.82	0.09	1.13	0.11	1.71	0.11	0.10	0.12
Cr2O3	0.01	0.01	0.04	-0.01	0.05	-0.01	0.04	0.04	0.04
K2O	1.64	1.72	0.94	1.89	0.84	2.72	0.97	0.64	0.84
LOI	2.51	0.44	0.77	1.76	0.64	-0.86	0.09	0.18	3.80
Total	99.39	100.02	100.39	99.52	99.92	98.73	99.54	99.88	99.88
Ba	1128	1105	353	1208	355	1618	386	229	426
Nb	21	21	6	26	7	36	5	8	7
Rb	59	61	37	77	37	100	48	31	31
Sr	294	297	140	260	125	213	118	133	144
Y	51	53	16	70	19	110	20	20	23
Zr	309	305	72	444	77	700	93	98	75
Th	-2	-2	-2	-2	-2	-2	-2	-2	-2
Cs	8	10	13	5	12	9	18	8	17
Ta	-10	-10	-10	-10	-10	-10	-10	-10	-10
Ni	64	63	30	36	52	12	27	42	28
Cu	66	67	76	36	42	26	22	33	23
Co	62	56	53	50	63	45	51	52	55
V	302	299	339	276	370	142	358	318	332
Au	2	1	-1	1	2	1	1	1	-1
Pt	-5	-5	-5	-5	-5	-5	-5	-5	-5
Pd	-1	-1	-1	-1	-1	-1	-1	-1	-1
STot	0.24	0.14	0.38	0.38	0.47	0.27	0.28	0.46	0.18

Table VIII (cont'd)

Drilling Results Whole Rock Analysis
Project 151, Haut Plateau Est, Sept-Îles, Qc

Sample	A-47161	A-47162	A-47163	A-47164	A-47165	A-47166	A-47167	A-47168	A-47169
Rock Code	I3E	I3E	I3E	I3E	I3E	I3E	I3K	I3K	I3A
Hole No.	151-03	151-03	151-03	151-03	151-03	151-03	151-01	151-01	151-01
from	15.60	26.00	47.70	8.30	67.10	78.80	9.30	14.45	24.45
to	15.80	26.20	47.90	8.50	67.30	79.00	9.50	14.65	24.65
Interv m	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
SiO2	51.99	51.19	48.91	49.27	50.05	55.26	42.99	42.96	35.14
TiO2	1.16	0.42	0.52	1.23	0.94	1.05	0.56	0.58	2.55
Al2O3	16.14	16.24	13.83	15.96	17.30	15.09	5.53	5.59	8.30
Fe2O3	12.16	8.34	15.02	13.94	11.11	11.25	19.27	19.06	37.52
MnO	0.18	0.14	0.20	0.22	0.17	0.18	0.27	0.26	0.59
MgO	6.81	9.18	10.97	8.36	7.77	7.97	26.65	26.07	7.73
CaO	9.62	10.27	7.59	9.83	9.72	7.35	3.48	3.46	3.29
Na2O	1.34	2.10	1.32	0.42	1.94	1.21	0.73	0.66	0.94
P2O5	0.19	0.06	0.09	0.13	0.12	0.17	0.09	0.10	0.20
Cr2O3	0.03	0.05	0.08	0.02	0.05	0.06	0.05	0.05	0.03
K2O	0.30	0.57	0.41	0.47	0.55	0.37	0.49	0.52	0.56
LOI	-0.13	1.09	0.23	-0.47	-0.04	-0.13	0.23	0.33	1.45
Total	99.80	99.63	99.17	99.39	99.68	99.82	100.33	99.64	98.29
Ba	445	368	259	539	414	408	331	313	362
Nb	8	5	3	5	6	8	3	3	13
Rb	11	10	17	27	11	20	21	23	47
Sr	221	214	162	185	182	176	50	48	96
Y	15	8	8	17	13	13	11	11	36
Zr	95	44	43	74	83	95	66	69	127
Th	-2	-2	-2	-2	-2	-2	-2	-2	2
Cs	6	9	11	20	14	12	20	13	11
Ta	-10	-10	-10	-10	-10	-10	-10	-10	-10
Ni	84	45	346	105	63	38	660	640	4579
Cu	26	16	171	19	22	25	54	38	3707
Co	55	41	120	72	55	48	166	164	402
V	271	222	234	307	224	243	108	107	342
Au	1	-1	1	-1	-1	-1	3	11	49
Pt	-5	-5	-5	-5	-5	-5	-5	-5	20
Pd	-1	-1	-1	-1	-1	-1	-1	-1	13
STot	0.31	0.08	1.23	0.26	0.21	0.15	0.10	0.10	6.48

Table VIII (cont'd)

Drilling Results Whole Rock Analysis
Project 151, Haut Plateau Est, Sept-Îles, Qc

Sample	A-47170	A-47171	A-47172	A-47173	A-47174	A-47175	A-47176	A-47177	A-47178
Rock Code	I3K	I3K	I3K	I3K	I3K	I4I	I4I	I4I	I4I
Hole No.	151-01	151-01	151-01	151-01	151-01	151-02	151-02	151-02	151-02
from	26.60	30.70	33.30	36.30	50.40	34.25	44.40	49.20	61.50
to	26.80	30.90	33.50	36.50	50.60	34.45	44.60	49.40	61.70
Interv m	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
SiO2	42.51	42.15	42.39	43.03	42.49	43.54	40.79	40.50	40.94
TiO2	0.77	0.61	0.59	0.53	0.58	0.40	0.63	0.62	0.59
Al2O3	5.10	5.40	5.41	5.08	5.10	5.02	5.14	5.16	5.02
Fe2O3	19.50	19.44	19.30	19.82	19.75	19.48	18.57	18.10	18.69
MnO	0.26	0.26	0.26	0.28	0.27	0.23	0.24	0.24	0.25
MgO	26.55	26.92	26.91	26.82	27.88	24.14	25.79	25.36	26.27
CaO	3.24	3.46	3.33	2.65	3.16	2.07	3.01	2.96	2.76
Na2O	0.64	0.69	0.71	0.68	0.68	0.53	0.66	0.61	0.61
P2O5	0.11	0.09	0.09	0.05	0.09	0.04	0.09	0.10	0.10
Cr2O3	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.04
K2O	0.59	0.50	0.54	0.61	0.49	1.51	0.51	0.52	0.57
LOI	0.67	0.17	0.57	0.53	-0.52	2.41	4.27	5.40	3.84
Total	100.00	99.73	100.15	100.12	100.02	99.42	99.75	99.62	99.69
Ba	368	298	340	397	323	451	303	269	325
Nb	4	4	3	3	4	5	3	3	4
Rb	28	19	25	31	23	83	19	23	27
Sr	48	49	50	41	46	18	41	45	49
Y	14	11	11	10	10	15	10	11	11
Zr	81	63	65	58	57	31	61	69	68
Th	-2	-2	-2	-2	-2	-2	-2	-2	-2
Cs	18	18	19	15	12	18	18	16	7
Ta	-10	-10	-10	-10	-10	-10	-10	-10	-10
Ni	670	673	693	490	771	463	641	643	671
Cu	51	39	58	29	88	114	33	41	33
Co	148	160	161	129	168	102	149	151	153
V	113	102	97	91	90	100	109	93	110
Au	2	1	-1	-1	2	1	1	1	-1
Pt	-5	-5	-5	-5	-5	-5	-5	-5	-5
Pd	-1	-1	-1	-1	3	-1	-1	-1	-1
STot	0.15	0.11	0.13	0.06	0.17	0.34	0.11	0.09	0.10

Table VIII (cont'd)

Drilling Results Whole Rock Analysis
Project 151, Haut Plateau Est, Sept-Îles, Qc

Sample	A-47179	A-47180	A-47181	A-47182	A-47183	A-47184	A-47185	A-47186	A-47187
Rock Code	I3K	MS	I3K	I3K	I3K	I3K	I3K	I3K	I3K
Hole No.	151-02	151-02	151-02	151-02	151-02	151-02	151-02	151-02	151-02
from	84.00	71.40	101.40	117.40	129.20	133.35	134.95	146.75	156.40
to	84.20	71.60	101.60	117.60	129.40	133.55	135.15	146.95	156.60
Interv m	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
SiO2	42.55	43.71	44.49	45.19	49.04	42.22	49.60	44.28	45.32
TiO2	0.42	0.59	0.69	0.69	0.78	0.40	1.50	0.59	0.72
Al2O3	10.82	6.02	9.69	11.08	16.03	8.96	15.02	14.01	13.23
Fe2O3	16.09	20.46	17.11	15.03	12.04	16.85	9.51	20.96	20.52
MnO	0.22	0.27	0.23	0.22	0.19	0.23	0.19	0.16	0.18
MgO	21.06	24.05	20.11	16.54	7.56	20.55	6.39	7.84	8.86
CaO	5.54	3.56	5.90	7.15	9.40	5.51	7.92	6.27	6.74
Na2O	0.95	0.60	1.21	1.23	1.66	0.84	3.48	1.59	1.41
P2O5	0.07	0.09	0.10	0.08	0.07	0.06	0.27	0.08	0.10
Cr2O3	0.03	0.03	0.04	0.05	0.04	0.04	0.02	0.08	0.08
K2O	0.45	0.51	0.48	0.85	0.89	0.31	1.68	0.99	0.54
LOI	1.23	0.22	0.14	0.95	1.34	2.82	3.56	2.15	1.60
Total	99.43	100.12	100.20	99.06	99.03	98.80	99.13	98.99	99.30
Ba	292	260	296	495	450	245	394	415	305
Nb	3	3	5	6	5	4	12	6	6
Rb	14	29	33	48	43	23	71	50	33
Sr	87	50	78	119	155	77	183	131	106
Y	7	12	16	18	18	9	53	14	15
Zr	44	61	62	58	46	34	169	55	60
Th	-2	-2	-2	-2	-2	-2	-2	-2	-2
Cs	17	18	17	15	15	15	17	14	14
Ta	-10	-10	-10	-10	-10	-10	-10	-10	-10
Ni	496	570	420	284	65	431	78	3220	2720
Cu	32	33	87	62	107	39	49	860	771
Co	119	146	121	95	52	130	43	338	276
V	82	105	135	148	306	105	301	210	247
Au	1	1	1	-1	-1	4	-1	3	3
Pt	-5	-5	-5	-5	-5	-5	-5	-5	-5
Pd	-1	-1	-1	-1	-1	2	-1	13	6
STot	0.11	0.11	0.24	0.11	0.10	0.13	0.03	4.26	3.36

Table VIII (cont'd)

Drilling Results Whole Rock Analysis
Project 151, Haut Plateau Est, Sept-Îles, Qc

Sample	A-47188	A-47189	A-47191	A-47192	A-47193	A-47194	A-47195	A-47196	A-47197
Rock Code	I3A	I3A	I3K	I3J	M4	I3K	I1G	I3J	I3K
Hole No.	151-02	151-02	151-04	151-04	151-05	151-05	151-06	151-06	151-06
from	160.15	161.70	63.92	81.80	11.70	26.60	36.30	169.40	253.90
to	160.35	161.90	64.10	81.98	11.90	26.80	36.50	169.60	254.10
Interv m	0.2	0.2	0.18	0.18	0.2	0.2	0.2	0.2	0.2
SiO2	44.78	44.23	43.55	50.41	48.05	46.70	44.23	51.15	41.33
TiO2	4.04	4.80	0.64	0.70	1.73	1.99	0.65	1.22	0.62
Al2O3	14.51	13.44	10.32	15.63	14.65	15.92	9.19	17.16	6.31
Fe2O3	16.85	18.59	15.82	10.72	15.99	13.65	18.58	12.92	20.20
MnO	0.21	0.24	0.21	0.17	0.23	0.21	0.22	0.20	0.27
MgO	5.11	4.76	20.00	10.53	9.15	7.41	20.04	6.75	20.21
CaO	7.78	7.92	5.37	8.18	9.49	9.01	5.45	9.55	3.59
Na2O	3.11	2.78	1.28	2.40	0.76	0.95	0.48	0.84	0.69
P2O5	0.80	0.91	0.09	0.09	0.23	0.26	0.09	0.16	0.08
Cr2O3	-0.01	-0.01	0.03	0.11	0.03	0.03	0.05	0.03	0.05
K2O	1.61	0.98	0.90	0.63	0.40	0.93	0.37	0.42	1.64
LOI	0.43	0.82	0.87	0.08	-0.56	2.32	0.23	-0.23	3.99
Total	99.22	99.47	99.07	99.64	100.16	99.39	99.58	100.17	98.98
Ba	1078	640	396	264	516	684	297	424	516
Nb	21	23	5	6	9	10	5	8	6
Rb	58	53	50	28	36	49	25	25	83
Sr	308	266	79	141	133	139	73	144	50
Y	53	59	16	15	37	44	15	26	19
Zr	307	346	68	57	112	144	54	123	81
Th	-2	-2	-2	-2	-2	-2	-2	-2	-2
Cs	18	16	16	16	16	12	18	9	11
Ta	-10	-10	-10	-10	-10	-10	-10	-10	-10
Ni	114	49	397	94	120	102	1081	32	1294
Cu	100	63	40	43	18	27	337	61	503
Co	67	56	126	57	75	72	158	48	136
V	304	305	94	246	311	342	140	290	174
Au	2	1	1	1	1	-1	2	-1	3
Pt	-5	-5	-5	-5	-5	-5	-5	-5	-5
Pd	-1	-1	-1	2	-1	-1	3	-1	3
STot	0.25	0.10	0.13	0.12	0.19	0.48	1.04	0.18	1.45

Table VIII (cont'd)

Drilling Results Whole Rock Analysis
Project 151, Haut Plateau Est, Sept-Îles, Qc

Sample	A-47198	A-47199	A-47200
Rock Code	I3K	I3K	I4I
Hole No.	151-06	151-06	151-01
from	269.30	292.50	93.60
to	269.50	292.70	93.75
Interv m	0.2	0.2	0.15
SiO2	44.47	47.04	39.12
TiO2	4.17	1.62	0.50
Al2O3	13.63	13.13	5.18
Fe2O3	19.24	15.27	18.23
MnO	0.25	0.20	0.22
MgO	5.76	8.23	24.50
CaO	7.51	9.22	3.04
Na2O	2.99	3.45	0.58
P2O5	0.84	0.12	0.07
Cr2O3	0.02	0.03	0.03
K2O	1.64	0.40	0.39
LOI	-0.69	0.41	7.33
Total	99.82	99.12	99.19
Ba	1143	303	228
Nb	22	11	4
Rb	58	23	28
Sr	285	365	38
Y	55	29	11
Zr	329	95	45
Th	-2	-2	-2
Cs	-1	11	12
Ta	-10	-10	-10
Ni	73	149	517
Cu	55	37	28
Co	65	56	149
V	333	347	82
Au	1	1	1
Pt	-5	-5	-5
Pd	-1	-1	2
STot	0.16	0.09	0.10

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-60961.0 (COMPLET) RÉFÉRENCE: 174558-59-60

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y. BOULIANNE

PROJET: PN-151 DATE RECU: 07-MAY-01 DATE DE L'IMPRESSION: 28-MAI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010516	1	Ni	Ni - GA30	57	2 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010516	2	Cu	Cu - GA30	57	1 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010516	3	Co	Co - GA30	57	3 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010516	4	Au	Or - Pyro Analyse	57	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010516	5	Pt	Platine	57	5 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010516	6	Pd	Palladium	57	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010516	7	S Tot	S (Total) - ST60	57	0.02 PCT		LECO

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	57	-150	57	CONCASSER, PULVERISE	55
				TEL QUE RECU	2

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60961.0 (COMPLET) DATE RECU: 07-MAY-01 DATE DE L'IMPRESSION: 28-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00035		35	54	13	1	<5	<1	0.89
HPE-00036		125	60	62	<1	<5	<1	0.46
HPE-00037		656	331	179	4	<5	5	2.43
HPE-00038		143	64	73	<1	<5	<1	0.43
HPE-00039		1901	1169	456	3	<5	5	6.92
HPE-00040		8365	2154	248	83	172	569	2.03
HPE-00041		480	219	138	3	<5	2	1.77
HPE-00042		1696	649	407	4	<5	5	6.35
HPE-00043		476	247	148	1	<5	1	1.82
HPE-00044		951	399	251	1	<5	2	3.45

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60961.0 (COMPLET) DATE RECU: 07-MAY-01 DATE DE L'IMPRESSION: 28-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00045		2877	933	655	16	<5	9	10.54
HPE-00046		1096	627	269	6	<5	4	4.23
HPE-00047		640	267	179	1	<5	2	2.41
HPE-00048		2579	1280	610	5	<5	6	9.70
HPE-00049		584	269	159	<1	<5	1	2.22
HPE-00050		263	167	97	1	<5	1	0.93
HPE-00051		2615	1212	577	1	<5	4	9.71
HPE-00052		1583	888	405	3	<5	5	5.39
HPE-00053		776	438	205	3	<5	4	2.93
HPE-00054		2647	1520	608	4	16	6	10.35
HPE-00063		1158	654	309	2	<5	3	4.25
HPE-00064		2059	843	490	11	<5	10	7.58
HPE-00065		4157	2960	977	23	<5	114	15.90
HPE-00066		1818	2016	395	10	<5	16	6.58
HPE-00067		2099	1126	477	4	<5	15	7.35
HPE-00068		1250	702	318	1	<5	4	4.53
HPE-00069		3340	1670	772	10	<5	14	12.83

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-60961.0 (COMPLET) DATE RECU: 07-MAY-01 DATE DE L'IMPRESSION: 28-MAI-01

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
BLANC		<2	1	<3	<1	<5	<1	-
BLANC		<2	1	<3	<1	<5	<1	-
BLANC		-	-	-	<1	<5	<1	-
BLANC		-	-	-	<1	<5	<1	-
Nombre d'analyses		2	2	2	4	4	4	-
Valeur de moyenne		1.0	1.0	1.5	0.5	2.5	0.5	-
Écart-type		0.00	0.00	0.00	0.00	0.00	0.00	-
Valeur acceptee		1	1	1	5	5	5	<0.01
STANDARD DCP		-	-	-	89	84	85	-
STANDARD DCP		-	-	-	86	89	85	-
STANDARD DCP		-	-	-	89	89	88	-
STANDARD DCP		-	-	-	88	87	86	-
Nombre d'analyses		-	-	-	4	4	4	-
Valeur de moyenne		-	-	-	88.0	87.2	86.0	-
Écart-type		-	-	-	1.41	2.29	1.41	-
Valeur acceptee		-	-	-	83	83	83	-
CANMET Cert. Std.		12302	9623	377	-	-	-	-
Nombre d'analyses		1	1	1	-	-	-	-
Valeur de moyenne		12301.6	9623.0	377.0	-	-	-	-
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		12300	9700	410	-	-	-	10.00
CANMET STANDARD		-	-	-	-	-	-	1.77
Nombre d'analyses		-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	1.770
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	1.80
STD GEOCHIMIQUE 4		49	301	10	-	-	-	-
Nombre d'analyses		1	1	1	-	-	-	-
Valeur de moyenne		48.6	300.6	10.0	-	-	-	-
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		42	-	9	-	-	-	-
UTS-1		-	-	-	-	-	-	1.02
Nombre d'analyses		-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	1.020
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	1.00

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT : FALCONBRIDGE LTD. PROJET: PM-151
RAPPORT: C01-60961.0 (COMPLET) DATE RECU: 07-MAY-01 DATE DE L'IMPRESSION: 28-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00038		143	64	73	<1	<5	<1	0.43
Duplicata								0.44
HPE-00039		1901	1169	456	3	<5	5	6.92
Duplicata					2	<5	5	
HPE-00045		2877	933	655	16	<5	9	10.54
Duplicata		2904	990	635				
HPE-00047		640	267	179	1	<5	2	2.41
Duplicata								2.35
HPE-00052		1583	888	405	3	<5	5	5.39
Duplicata								5.36
HPE-00054		2647	1520	608	4	16	6	10.35
Duplicata		2698	1587	595				

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60961.0 (COMPLET) DATE RECU: 07-MAY-01 DATE DE L'IMPRESSION: 28-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00065		4157	2960	977	23	<5	114	15.90
Duplicata								16.03
HPE-00069		3340	1670	772	10	<5	14	12.83
Duplicata					7	<5	12	

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-60962.0 (COMPLET) RÉFÉRENCE: 174545-174557

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y.BOULIANNE
PROJET: PN-151 DATE RECU: 07-MAY-01 DATE DE L'IMPRESSION: 18-MAI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010514	1	Ni	Ni - GA30	32	2 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010514	2	Cu	Cu - GA30	32	1 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010514	3	Co	Co - GA30	32	3 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010514	4	Au	Or - Pyro Analyse	32	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010514	5	Pt	Platine	32	5 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010514	6	Pd	Palladium	32	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010514	7	S Tot	S (Total) - ST60	32	0.02 PCT		LECO

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	32	-150	32	CONCASSER, PULVERISE	32

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60962.0 (COMPLET) DATE RECU: 07-MAY-01 DATE DE L'IMPRESSION: 18-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00070		4442	2163	952	<1	8	4	18.00
HPE-00071		6210	510	1360	6	<5	4	23.95
HPE-00072		4211	1685	955	56	<5	44	17.68
HPE-00073		678	508	183	<1	<5	3	2.75
HPE-00074		607	326	171	<1	<5	2	2.33
HPE-00075		811	609	210	2	<5	4	3.17
HPE-00076		761	334	204	<1	<5	2	2.82
HPE-00077		1581	840	347	4	<5	8	6.27
HPE-00078		968	546	232	4	<5	2	3.51
HPE-00079		860	455	201	2	<5	3	3.26
HPE-00081		146	77	66	<1	<5	<1	0.45
HPE-00082		67	25	29	<1	<5	<1	0.20
HPE-00083		41	87	20	<1	<5	<1	0.87
HPE-00084		380	196	96	4	<5	13	1.07
HPE-00085		1764	10135	367	<1	<5	7	7.63
HPE-00086		290	176	97	<1	<5	<1	1.03
HPE-00087		379	282	47	<1	<5	5	1.40
HPE-00088		40	25	33	<1	<5	<1	0.18
HPE-00089		1058	555	254	<1	11	4	3.56
HPE-00105		23	10	<3	<1	<5	<1	0.04
HPE-00106		501	146	96	2	<5	2	0.45
HPE-00107		11396	5048	747	8	5	13	15.74
HPE-00108		246	43	56	<1	<5	<1	0.13
HPE-00109		653	55	145	<1	<5	<1	0.20
HPE-00110		5900	2622	395	30	8	16	9.17
HPE-00111		45	29	<3	<1	<5	<1	0.07
HPE-00142		664	115	116	3	<5	7	0.37
HPE-00143		541	116	95	<1	<5	1	0.37
HPE-00144		543	124	101	<1	<5	<1	0.40
HPE-00145		1521	577	172	3	<5	4	1.83
HPE-00146		1500	1057	162	<1	<5	4	1.60
HPE-00147		714	234	108	3	<5	2	0.67

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-60962.0 (COMPLET) DATE RECU: 07-MAY-01 DATE DE L'IMPRESSION: 18-MAI-01 PAGE 2 DE 3

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
BLANC		<2	1	<3	<1	<5	1	-
BLANC		-	-	-	<1	<5	<1	-
Nombre d'analyses		1	1	1	2	2	2	-
Valeur de moyenne		1.0	1.0	1.5	0.5	2.5	0.8	-
Écart-type		-	-	-	0.00	0.00	0.35	-
Valeur acceptee		1	1	1	5	5	5	<0.01
WPR-1		-	-	-	36	275	254	-
Nombre d'analyses		-	-	-	1	1	1	-
Valeur de moyenne		-	-	-	36.0	275.0	254.0	-
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		-	-	-	42	285	235	-
CANMET Cert. Std.		12000	9600	420	-	-	-	-
Nombre d'analyses		1	1	1	-	-	-	-
Valeur de moyenne		12000.0	9600.0	420.0	-	-	-	-
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		12300	9700	410	-	-	-	10.00
STANDARD DCP		-	-	-	88	90	85	-
Nombre d'analyses		-	-	-	1	1	1	-
Valeur de moyenne		-	-	-	88.0	90.0	85.0	-
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		-	-	-	83	83	83	-
UTS-2		-	-	-	-	-	-	3.26
Nombre d'analyses		-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	3.260
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	3.23

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60962.0 (COMPLET) DATE RECU: 07-MAY-01 DATE DE L'IMPRESSION: 18-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00070		4442	2163	952	<1	8	4	18.00
Duplicata		4480	2211	1016				18.02
HPE-00071		6210	510	1360	6	<5	4	23.95
Duplicata					3	<5	3	
HPE-00079		860	455	201	2	<5	3	3.26
Duplicata								3.28
HPE-00085		1764	10135	367	<1	<5	7	7.63
Duplicata								7.72
HPE-00105		23	10	<3	<1	<5	<1	0.04
Duplicata								0.04
HPE-00107		11396	5048	747	8	5	13	15.74
Duplicata		10911	5149	794	10	<5	16	
HPE-00110		5900	2622	395	30	8	16	9.17
Duplicata								9.27
HPE-00145		1521	577	172	3	<5	4	1.83
Duplicata								1.84

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-60933.0 (COMPLET) RÉFÉRENCE: 165743

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: BOULIANNE & BABIN

PROJET: PN-151 DATE RECU: 02-MAY-01 DATE DE L'IMPRESSION: 10-MAI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010510	1	Ni	Ni - GA30	23	2 PPM	NF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010510	2	Cu	Cu - GA30	23	1 PPM	NF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010510	3	Co	Co - GA30	23	3 PPM	NF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010510	4	Au	Or - Pyro Analyse	23	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010510	5	Pt	Platine	23	5 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010510	6	Pd	Palladium	23	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010510	7	S Tot	S (Total) - ST60	23	0.02 PCT		LECO

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	23	-150	23	CONCASSER, PULVERISE	21
				TEL QUE RECU	2

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60933.0 (COMPLET) DATE RECU: 02-MAY-01 DATE DE L'IMPRESSION: 10-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00055		5444	1108	1204	14	16	15	20.81
HPE-00056		2461	1642	558	18	<5	5	9.57
HPE-00057		7270	1147	1555	7	7	14	27.72
HPE-00058		4150	2178	931	17	<5	17	15.80
HPE-00059		2428	1821	572	4	<5	8	9.26
HPE-00060		8267	1970	243	30	171	548	2.06
HPE-00061		2173	1099	471	4	11	4	8.36
HPE-00062		1149	613	273	4	<5	3	4.17
HPE-00090		636	64	147	3	<5	<1	0.19
HPE-00091		7319	5179	567	70	16	21	9.75
HPE-00092		16513	3411	1206	10	5	26	21.56
HPE-00093		19706	1312	1475	10	5	53	24.25
HPE-00094		1424	432	161	<1	<5	2	1.56
HPE-00095		19071	607	1389	22	5	63	24.70
HPE-00096		3649	2785	304	10	<5	5	5.29
HPE-00097		6516	1435	526	6	<5	6	8.46
HPE-00098		5662	4346	469	48	12	13	7.32
HPE-00099		971	512	161	3	<5	1	0.39
HPE-00100		2558	764	100	40	79	195	0.77

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-60933.0 (COMPLET) DATE RECU: 02-MAY-01 DATE DE L'IMPRESSION: 10-MAI-01 PAGE 2 DE 3

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
BLANC		<2	<1	<3	<1	<5	<1	-
BLANC		-	-	-	<1	<5	<1	-
Nombre d'analyses		1	1	1	2	2	2	-
Valeur de moyenne		1.0	0.5	1.5	0.5	2.5	0.5	-
Écart-type		-	-	-	0.00	0.00	0.00	-
Valeur acceptee		1	1	1	5	5	5	<0.01
STANDARD DCP		-	-	-	89	89	87	-
STANDARD DCP		-	-	-	83	81	78	-
Nombre d'analyses		-	-	-	2	2	2	-
Valeur de moyenne		-	-	-	86.0	85.0	82.5	-
Écart-type		-	-	-	4.24	5.66	6.36	-
Valeur acceptee		-	-	-	83	83	83	-
CANMET LKSD-2		29	35	20	-	-	-	-
Nombre d'analyses		1	1	1	-	-	-	-
Valeur de moyenne		29.0	35.0	20.0	-	-	-	-
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		26	37	17	-	-	-	-
Zinc Concentrate CRM		-	-	-	-	-	-	31.51
Nombre d'analyses		-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	31.510
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	31.60

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60933.0 (COMPLET) DATE RECU: 02-MAY-01 DATE DE L'IMPRESSION: 10-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00019		5814	812	1184	4	<5	2	21.80
Duplicata								21.99
HPE-00028		5824	3409	1170	6	8	19	20.37
Duplicata		6063	3590	1233				
HPE-00060		8267	1970	243	30	171	548	2.06
Duplicata								2.02
HPE-00092		16513	3411	1206	10	5	26	21.56
Duplicata								22.04
HPE-00095		19071	607	1389	22	5	63	24.70
Duplicata					18	<5	62	
HPE-00097		6516	1435	526	6	<5	6	8.46
Duplicata								8.32
HPE-00098		5662	4346	469	48	12	13	7.32
Duplicata		5620	4298	455				

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-60963.0 (COMPLET) RÉFÉRENCE: 174555-56

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y.BOULIANNE

PROJET: PN-151 DATE RECU: 08-MAY-01 DATE DE L'IMPRESSION: 18-MAI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010510	1	Ni	Ni - GA30	34	2 PPM	NF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010510	2	Ni	Nickel, semiquant.	4	0.1 PCT	NF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010510	3	Ni	Ni - GA50	4	0.01 PCT	NF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010510	4	Cu	Cu - GA30	34	1 PPM	NF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010510	5	Co	Co - GA30	34	3 PPM	NF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010510	6	Au	Or - Pyro Analyse	34	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010510	7	Pt	Platine	34	5 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010510	8	Pd	Palladium	34	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010510	9	S Tot	S (Total) - ST60	34	0.02 PCT		LECO

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	34	-150	34	CONCASSER, PULVERISE	32
				TEL QUE RECU	2

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60963.0 (COMPLET) DATE RECU: 08-MAY-01 DATE DE L'IMPRESSION: 18-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Ni PCT	Ni PCT	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00101		1457			175	205	1	<5	2	1.48
HPE-00102		785			262	123	2	5	<1	0.60
HPE-00103		15810			1078	1215	3	<5	40	22.51
HPE-00104		598			67	158	1	<5	<1	0.20
HPE-00112		615			69	143	<1	5	<1	0.26
HPE-00113		5539			3515	451	43	<5	11	8.25
HPE-00114		2754			189	250	4	<5	3	3.24
HPE-00115		14484			628	1101	2	<5	14	22.55
HPE-00116		505			48	101	1	<5	<1	0.23
HPE-00117		850			143	142	1	<5	<1	0.52
HPE-00118		19413			10234	1458	20	152	40	26.06
HPE-00119		>20000	2.1	2.34	10848	1673	13	9	33	29.81
HPE-00120		8100			2030	243	37	162	545	2.08
HPE-00121		1800			4087	188	2	<5	5	2.49
HPE-00122		>20000	2.1	2.44	3853	1743	11	<5	46	29.65
HPE-00123		6320			3565	520	1	7	6	8.62
HPE-00124		18937			4325	1371	9	<5	27	25.68
HPE-00125		1299			562	183	2	<5	<1	0.87
HPE-00126		17383			1223	1279	16	<5	22	24.08
HPE-00127		5682			13473	474	84	<5	431	9.10
HPE-00128		14672			7701	1091	48	<5	22	21.32
HPE-00129		5846			2710	490	<1	<5	5	9.25
HPE-00130		1500			874	205	<1	<5	1	1.64
HPE-00131		1195			242	166	<1	<5	1	1.35
HPE-00132		7077			5743	564	16	6	12	10.25
HPE-00133		>20000	2.2	2.36	5634	1667	16	6	91	28.75
HPE-00134		5213			5158	407	6	<5	12	7.48
HPE-00135		562			558	115	13	7	2	0.51
HPE-00136		2957			2211	251	14	<5	10	3.90
HPE-00137		3710			5240	310	6	<5	6	4.21
HPE-00138		>20000	2.4	2.72	2419	1920	4	<5	50	33.61
HPE-00139		1391			514	144	<1	<5	1	1.67
HPE-00140		2461			755	105	12	75	206	0.72
HPE-00141		403			53	94	<1	<5	<1	0.21

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-60963.0 (COMPLET) DATE RECU: 08-MAY-01 DATE DE L'IMPRESSION: 18-MAI-01

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	Ni PPM	Ni PCT	Ni PCT	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
BLANC		<2	-	-	3	<3	1	<5	1	-
BLANC		-	-	-	-	-	<1	<5	<1	-
Nombre d'analyses		1	-	-	1	1	2	2	2	-
Valeur de moyenne		1.0	-	-	3.0	1.5	0.8	2.5	0.8	-
Écart-type		-	-	-	-	-	0.35	0.00	0.35	-
Valeur acceptee		1	<0.1	<0.01	1	1	5	5	5	<0.01
STANDARD DCP		-	-	-	-	-	77	79	83	-
STANDARD DCP		-	-	-	-	-	82	81	86	-
Nombre d'analyses		-	-	-	-	-	2	2	2	-
Valeur de moyenne		-	-	-	-	-	79.5	80.0	84.5	-
Écart-type		-	-	-	-	-	3.54	1.41	2.12	-
Valeur acceptee		-	-	-	-	-	83	83	83	-
CANMET Cert. Std.		10657	-	1.24	9056	388	-	-	-	-
Nombre d'analyses		1	-	1	1	1	-	-	-	-
Valeur de moyenne		10657.4	-	1.241	9056.0	388.4	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-
Valeur acceptee		12300	-	1.23	9700	410	-	-	-	10.00
Zinc Concentrate CRM		-	-	-	-	-	-	-	-	31.87
Nombre d'analyses		-	-	-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	-	-	31.870
Écart-type		-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	<0.01	-	-	-	-	-	31.60
UTS-2		-	-	-	-	-	-	-	-	3.26
Nombre d'analyses		-	-	-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	-	-	3.260
Écart-type		-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	3.23
MISC STD		-	-	5.14	-	-	-	-	-	-
Nombre d'analyses		-	-	1	-	-	-	-	-	-
Valeur de moyenne		-	-	5.142	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-60963.0 (COMPLET) DATE RECU: 08-MAY-01 DATE DE L'IMPRESSION: 18-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Ni PCT	Ni PCT	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00101		1457			175	205	1	<5	2	1.48
Duplicata										1.49
HPE-00103		15810			1078	1215	3	<5	40	22.51
Duplicata		15415			1068	1146	3	<5	42	
HPE-00117		850			143	142	1	<5	<1	0.52
Duplicata										0.51
HPE-00119		>20000	2.1	2.34	10848	1673	13	9	33	29.81
Duplicata				2.34						
HPE-00122		>20000	2.1	2.44	3853	1743	11	<5	46	29.65
Duplicata										29.45
HPE-00127		5682			13473	474	84	<5	431	9.10
Duplicata										9.06
HPE-00128		14672			7701	1091	48	<5	22	21.32
Duplicata		14130			7635	1067				
HPE-00132		7077			5743	564	16	6	12	10.25
Duplicata										10.30
HPE-00137		3710			5240	310	6	<5	6	4.21
Duplicata										4.22
HPE-00138		>20000	2.4	2.72	2419	1920	4	<5	50	33.61
Duplicata							9	<5	58	
HPE-00141		403			53	94	<1	<5	<1	0.21
Duplicata										0.20

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-60987.0 (COMPLET) RÉFÉRENCE: 174553

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y. BOULIANNE

PROJET: PN-151 DATE RECU: 11-MAY-01 DATE DE L'IMPRESSION: 30-MAI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010518	1	Ni	Ni - GA30	67	2 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010518	2	Cu	Cu - GA30	67	1 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010518	3	Cu	Cu,semiquant.- GA30	1	0.1 PCT	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010518	4	Cu	Cu - GA50	1	0.01 PCT	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010518	5	Co	Co - GA30	67	3 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010518	6	Au	Or - Pyro Analyse	67	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010518	7	Pt	Platine	67	5 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010518	8	Pd	Palladium	67	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010518	9	S Tot	S (Total) - ST60	67	0.02 PCT		LECO

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	67	-150	67	CONCASSER, PULVERISE	64
				TEL QUE RECU	3

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60987.0 (COMPLET) DATE RECU: 11-MAY-01 DATE DE L'IMPRESSION: 30-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Cu PCT	Cu PCT	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00148		1563	872			145	6	7	6	1.65
HPE-00149		205	311			55	1	<5	<1	0.10
HPE-00150		3386	>20000	3.5	3.80	317	76	<5	8	7.59
HPE-00151		376	2745			76	1	<5	<1	0.57
HPE-00152		573	151			117	2	<5	<1	0.44
HPE-00153		9411	3584			696	5	<5	15	10.56
HPE-00154		937	946			81	4	6	3	0.76
HPE-00155		3533	1116			272	3	<5	10	4.26
HPE-00156		382	846			75	2	<5	2	0.70
HPE-00157		3841	849			325	3	<5	10	4.58
HPE-00158		468	256			88	4	<5	5	0.53
HPE-00159		370	208			82	<1	<5	1	0.47
HPE-00160		2485	765			98	18	80	203	0.68
HPE-00161		311	209			76	<1	<5	1	0.42
HPE-00162		19208	5376			1434	<1	<5	25	26.83
HPE-00163		1066	1749			130	8	14	5	1.60
HPE-00164		154	355			65	2	<5	<1	0.24
HPE-00165		114	32			65	1	<5	<1	0.90
HPE-00166		2584	952			198	98	<5	11	2.96
HPE-00167		3997	914			318	4	<5	7	5.00
HPE-00168		502	260			111	3	<5	3	1.23
HPE-00169		151	113			64	1	<5	1	0.29
HPE-00170		451	208			66	9	<5	4	0.59
HPE-00171		1818	842			160	6	<5	11	2.17
HPE-00172		2284	882			182	4	5	11	2.40
HPE-00173		2469	2056			211	4	<5	6	3.16
HPE-00174		7728	4721			683	23	<5	18	10.53
HPE-00175		4901	1164			431	5	<5	17	6.44
HPE-00176		5835	805			451	5	<5	24	7.37
HPE-00177		3617	2440			280	9	<5	9	4.85
HPE-00178		5994	2226			412	8	<5	12	7.74
HPE-00179		2780	1442			231	5	23	9	3.39
HPE-00180		2597	807			103	10	73	196	0.73
HPE-00181		2596	2325			218	6	9	7	3.02
HPE-00182		1579	693			144	3	<5	5	1.90
HPE-00183		2627	950			211	2	<5	5	3.07
HPE-00184		3308	1342			269	3	<5	7	4.06
HPE-00185		4011	1902			317	4	<5	9	4.88
HPE-00186		4182	1200			342	6	5	10	4.45
HPE-00187		4687	4473			373	6	<5	12	6.17

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60987.0 (COMPLET) DATE RECU: 11-MAY-01 DATE DE L'IMPRESSION: 30-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Cu PCT	Cu PCT	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00188		2877	805			239	3	<5	7	3.17
HPE-00189		3141	2675			282	4	<5	7	3.83
HPE-00190		3758	1193			309	3	<5	8	4.55
HPE-00191		3889	1335			314	2	<5	10	4.65
HPE-00192		3848	1353			317	4	<5	10	4.79
HPE-00193		3602	1727			291	8	<5	9	4.39
HPE-00194		5778	4624			396	74	<5	27	7.78
HPE-00195		6115	2812			378	12	8	20	7.84
HPE-00196		5874	2310			411	10	<5	15	7.71
HPE-00197		5619	4461			407	7	<5	11	7.40
HPE-00198		5124	4052			399	4	<5	9	6.69
HPE-00200		8883	2168			267	65	184	561	1.93
HPE-00202		5013	1398			380	3	<5	16	6.65
HPE-00203		4281	1996			318	3	<5	9	5.34
HPE-00204		5081	2010			367	4	<5	13	6.67
HPE-00205		8756	2820			656	17	10	25	10.73
HPE-00206		5165	2789			396	7	11	14	6.55
HPE-00207		8035	4474			562	7	<5	9	9.57
HPE-00208		4840	1647			415	3	<5	13	6.18
HPE-00209		3681	1897			309	3	<5	7	4.14
HPE-00210		2594	1418			218	2	<5	5	2.91
HPE-00211		3626	1413			300	1	<5	8	4.16
HPE-00212		2779	1125			248	<1	<5	7	3.43
HPE-00213		2737	1130			244	5	<5	8	3.36
HPE-00214		6823	3632			526	22	331	31	9.15
HPE-00215		3620	7615			293	10	<5	12	4.56
HPE-00216		6747	6293			453	16	<5	23	8.78

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60987.0 (COMPLET) DATE RECU: 11-MAY-01 DATE DE L'IMPRESSION: 30-MAI-01

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	Ni PPM	Cu PPM	Cu PCT	Cu PCT	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
BLANC		<2	<1	-	-	<3	1	<5	<1	-
BLANC		<2	<1	-	-	<3	<1	<5	<1	-
BLANC		-	-	-	-	-	<1	<5	<1	-
BLANC		-	-	-	-	-	<1	<5	<1	-
Nombre d'analyses		2	2	-	-	2	4	4	4	-
Valeur de moyenne		1.0	0.5	-	-	1.5	0.6	2.5	0.5	-
Écart-type		0.00	0.00	-	-	0.00	0.25	0.00	0.00	-
Valeur acceptee		1	1	<0.1	<0.01	1	5	5	5	<0.01
STANDARD DCP		-	-	-	-	-	88	83	82	-
STANDARD DCP		-	-	-	-	-	84	85	84	-
STANDARD DCP		-	-	-	-	-	83	82	82	-
STANDARD DCP		-	-	-	-	-	90	90	89	-
Nombre d'analyses		-	-	-	-	-	4	4	4	-
Valeur de moyenne		-	-	-	-	-	86.3	85.0	84.3	-
Écart-type		-	-	-	-	-	3.30	3.56	3.30	-
Valeur acceptee		-	-	-	-	-	83	83	83	-
GS91-1		47	111	-	-	23	-	-	-	-
Nombre d'analyses		1	1	-	-	1	-	-	-	-
Valeur de moyenne		47.0	111.1	-	-	23.0	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-
Valeur acceptee		40	102	<0.1	-	18	-	-	-	-
Zinc Concentrate CRM		-	-	-	-	-	-	-	-	31.03
Nombre d'analyses		-	-	-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	-	-	31.030
Écart-type		-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	0.69	-	-	-	-	31.60
CANMET Cert. Std.		12298	9123	-	-	371	-	-	-	-
Nombre d'analyses		1	1	-	-	1	-	-	-	-
Valeur de moyenne		12298.0	9123.0	-	-	371.0	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-
Valeur acceptee		12300	9700	-	0.97	410	-	-	-	10.00
CANMET STANDARD		-	-	-	-	-	-	-	-	0.26
Nombre d'analyses		-	-	-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	-	-	0.260
Écart-type		-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	0.23

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60987.0 (COMPLET) DATE RECU: 11-MAY-01 DATE DE L'IMPRESSION: 30-MAI-01

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	Ni PPM	Cu PPM	Cu PCT	Cu PCT	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
CANMET Std PR-1		-	-	-	-	-	-	-	-	0.78
Nombre d'analyses		-	-	-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	-	-	0.780
Écart-type		-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	0.01	-	-	-	-	0.79
CANMET CERTIFIED STD		-	-	-	1.41	-	-	-	-	-
Nombre d'analyses		-	-	-	1	-	-	-	-	-
Valeur de moyenne		-	-	-	1.410	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	1.44	-	-	-	-	12.70

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT : FALCONBRIDGE LTD.   PROJET: PN-151

RAPPORT: C01-60987.0 (COMPLET)   DATE RECU: 11-MAY-01   DATE DE L'IMPRESSION: 30-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Cu PCT	Cu PCT	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00148		1563	872			145	6	7	6	1.65
Duplicata										1.65
HPE-00150		3386	>20000	3.5	3.80	317	76	<5	8	7.59
Duplicata		3248	>20000	3.4	3.70	330				
HPE-00157		3841	849			325	3	<5	10	4.58
Duplicata										4.66
HPE-00162		19208	5376			1434	<1	<5	25	26.83
Duplicata							2	<5	26	27.00
HPE-00167		3997	914			318	4	<5	7	5.00
Duplicata										5.08
HPE-00172		2284	882			182	4	5	11	2.40
Duplicata										2.37
HPE-00174		7728	4721			683	23	<5	18	10.53
Duplicata		7849	4671			617	28	8	21	
HPE-00177		3617	2440			280	9	<5	9	4.85
Duplicata										4.79
HPE-00181		2596	2325			218	6	9	7	3.02
Duplicata										3.04
HPE-00190		3758	1193			309	3	<5	8	4.55
Duplicata										4.56
HPE-00191		3889	1335			314	2	<5	10	4.65
Duplicata							1	<5	10	
HPE-00194		5778	4624			396	74	<5	27	7.78
Duplicata		5787	4892			408				
HPE-00195		6115	2812			378	12	8	20	7.84
Duplicata										7.96
HPE-00202		5013	1398			380	3	<5	16	6.65
Duplicata										6.60
HPE-00207		8035	4474			562	7	<5	9	9.57
Duplicata										9.69
HPE-00211		3626	1413			300	1	<5	8	4.16
Duplicata		3539	1394			291				

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60987.0 (COMPLET) DATE RECU: 11-MAY-01 DATE DE L'IMPRESSION: 30-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Cu PCT	Cu PCT	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
MPE-00212		2779	1125			248	<1	<5	7	3.43
Duplicata										3.44
MPE-00216		6747	6293			453	16	<5	23	8.78
Duplicata										8.69

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-61055.0 (COMPLET) RÉFÉRENCE: 174552-549-550-546

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y. BOULIANNE

PROJET: PN-151 DATE RECU: 23-MAY-01 DATE DE L'IMPRESSION: 1-JUI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010601	1	Ni	Ni - GA30	53	2 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010601	2	Ni	Nickel, semiquant.	3	0.1 PCT	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010601	3	Ni	Ni - GA50	3	0.01 PCT	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010601	4	Cu	Cu - GA30	53	1 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010601	5	Cu	Cu,semiquant.- GA30	1	0.1 PCT	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010601	6	Cu	Cu - GA50	1	0.01 PCT	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010601	7	Co	Co - GA30	53	3 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010601	8	Au	Or - Pyro Analyse	53	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010601	9	Pt	Platine	53	5 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010601	10	Pd	Palladium	53	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010601	11	S Tot	S (Total) - ST60	53	0.02 PCT		LECO

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	53	-150	53	CONCASSER, PULVERISE	53

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-61055.0 (COMPLET) DATE RECU: 23-MAY-01 DATE DE L'IMPRESSION: 1-JUI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Ni PCT	Ni PCT	Cu PPM	Cu PCT	Cu PCT	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00217		877			426			155	2	<5	3	1.01
HPE-00218		1100			686			162	9	<5	4	1.26
HPE-00219		2047			953			217	1	<5	3	2.39
HPE-00220		8002			2004			261	76	178	563	2.01
HPE-00221		4684			1656			385	3	<5	14	5.55
HPE-00222		1615			1172			154	1	<5	5	1.80
HPE-00223		3278			1297			278	2	<5	8	3.77
HPE-00224		1205			937			163	68	<5	4	1.17
HPE-00225		2569			1162			243	2	5	3	3.01
HPE-00226		512			125			140	<1	<5	<1	0.33
HPE-00227		11660			1831			830	19	<5	27	13.67
HPE-00228		218			66			75	1	<5	<1	0.17
HPE-00229		7712			1249			618	5	99	28	9.67
HPE-00230		592			864			96	<1	<5	<1	0.87
HPE-00231		1287			1679			163	10	<5	7	1.67
HPE-00232		>20000	2.0	2.25	3632			1542	58	<5	63	29.70
HPE-00233		2846			1376			252	2	<5	5	3.39
HPE-00234		920			653			126	4	<5	3	0.99
HPE-00259		674			655			125	1	<5	1	0.59
HPE-00260		8214			2034			257	46	162	531	2.08
HPE-00261		2992			2093			280	4	<5	5	3.54
HPE-00262		1483			823			187	5	10	1	1.66
HPE-00263		18164			6747			1426	7	<5	20	25.18
HPE-00264		1971			914			192	3	<5	6	2.41
HPE-00265		3439			2056			356	1	<5	6	5.11
HPE-00266		534			60			138	2	<5	1	0.22
HPE-00267		2150			1791			235	18	<5	7	2.80
HPE-00268		15759			>20000	2.3	2.31	1401	20	25	13	28.85
HPE-00269		833			893			118	6	<5	10	1.12
HPE-00270		204			92			59	1	<5	<1	0.15
HPE-00271		14110			3322			1307	14	6	11	21.10
HPE-00272		843			419			143	2	<5	18	0.68
HPE-00273		2529			10330			296	29	<5	461	4.59
HPE-00274		651			181			149	1	<5	1	0.33
HPE-00275		7139			2880			605	13	<5	77	9.69
HPE-00276		>20000	2.3	2.52	7282			1902	202	<5	187	34.11
HPE-00277		>20000	2.5	2.78	16693			2131	25	<5	62	35.96
HPE-00278		6699			1330			547	8	<5	14	7.80
HPE-00279		9226			972			714	4	<5	8	11.84
HPE-00280		8426			2033			269	36	163	528	2.00

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-61055.0 (COMPLET) DATE RECU: 23-MAY-01 DATE DE L'IMPRESSION: 1-JUI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Ni PCT	Ni PCT	Cu PPM	Cu PCT	Cu PCT	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00281		136			542			21	3	<5	1	0.23
HPE-00282		2372			687			268	9	<5	7	3.09
HPE-00283		517			145			140	2	<5	<1	0.27
HPE-00284		421			54			113	<1	<5	<1	0.18
HPE-00285		910			423			130	3	<5	3	1.01
HPE-00286		31			34			10	<1	<5	<1	0.06
HPE-00287		484			156			125	1	<5	<1	0.30
HPE-00288		509			75			152	<1	<5	<1	0.20
HPE-00289		5367			1507			377	8	<5	15	6.51
HPE-00290		3111			1880			292	10	19	12	3.76
HPE-00291		1716			1066			175	4	<5	5	2.05
HPE-00292		1855			986			168	4	<5	5	2.28
HPE-00293		18			28			28	1	<5	<1	0.09

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-61055.0 (COMPLET) DATE RECU: 23-MAY-01 DATE DE L'IMPRESSION: 1-JUI-01 PAGE 3 DE 5

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	Ni PPM	Ni PCT	Ni PCT	Cu PPM	Cu PCT	Cu PCT	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
BLANC		<2	-	-	<1	-	-	<3	1	<5	<1	-
BLANC		<2	-	-	1	-	-	<3	<1	<5	<1	-
BLANC		-	-	-	-	-	-	-	1	<5	1	-
Nombre d'analyses		2	-	-	2	-	-	2	3	3	3	-
Valeur de moyenne		1.0	-	-	0.8	-	-	1.5	1.0	2.5	0.8	-
Écart-type		0.00	-	-	0.35	-	-	0.00	0.45	0.00	0.45	-
Valeur acceptee		1	<0.1	<0.01	1	<0.1	<0.01	1	5	5	5	<0.01
WPR-1		-	-	-	-	-	-	-	40	293	251	-
Nombre d'analyses		-	-	-	-	-	-	-	1	1	1	-
Valeur de moyenne		-	-	-	-	-	-	-	40.0	293.1	251.0	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	42	285	235	-
STD GEOCHIMIQUE 3		604	-	-	861	-	-	-	-	-	-	-
Nombre d'analyses		1	-	-	1	-	-	-	-	-	-	-
Valeur de moyenne		604.5	-	-	861.0	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		600	-	-	820	0.1	-	48	-	-	-	-
STANDARD DCP		-	-	-	-	-	-	-	86	86	82	-
STANDARD DCP		-	-	-	-	-	-	-	83	83	81	-
Nombre d'analyses		-	-	-	-	-	-	-	2	2	2	-
Valeur de moyenne		-	-	-	-	-	-	-	84.6	84.6	81.4	-
Écart-type		-	-	-	-	-	-	-	1.98	2.33	0.85	-
Valeur acceptee		-	-	-	-	-	-	-	83	83	83	-
Zinc Concentrate CRM		-	-	-	-	-	-	-	-	-	-	31.90
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	31.900
Écart-type		-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	<0.01	-	-	0.69	-	-	-	-	31.60
CANMET Cert. Std.		11896	-	-	8867	-	-	390	-	-	-	-
Nombre d'analyses		1	-	-	1	-	-	1	-	-	-	-
Valeur de moyenne		11895.9	-	-	8867.0	-	-	390.3	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		12300	-	1.23	9700	-	0.97	410	-	-	-	10.00

Chimitec - Bondar Clegg .
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-61055.0 (COMPLET) DATE RECU: 23-MAY-01 DATE DE L'IMPRESSION: 1-JUI-01 PAGE 4 DE 5

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	Ni PPM	Ni PCT	Ni PCT	Cu PPM	Cu PCT	Cu PCT	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
CANMET Std PR-1		-	-	-	-	-	-	-	-	-	-	0.79
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	0.790
Écart-type		-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	0.01	-	-	-	-	0.79
ME89-1		-	-	0.01	-	-	2.02	-	-	-	-	-
Nombre d'analyses		-	-	1	-	-	1	-	-	-	-	-
Valeur de moyenne		-	-	0.012	-	-	2.015	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	1.96	-	-	-	-	-
CANMET CERTIFIED STD		-	-	0.02	-	-	1.44	-	-	-	-	-
Nombre d'analyses		-	-	1	-	-	1	-	-	-	-	-
Valeur de moyenne		-	-	0.020	-	-	1.441	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	1.44	-	-	-	-	12.70

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-61055.0 (COMPLET) DATE RECU: 23-MAY-01 DATE DE L'IMPRESSION: 1-JUI-01 PAGE 5 DE 5

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Ni PCT	Ni PCT	Cu PPM	Cu PCT	Cu PCT	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00217		877			426			155	2	<5	3	1.01
Duplicata												1.00
HPE-00226		512			125			140	<1	<5	<1	0.33
Duplicata												0.33
HPE-00227		11660			1831			830	19	<5	27	13.67
Duplicata		10956			1777			817				
HPE-00231		1287			1679			163	10	<5	7	1.67
Duplicata												1.67
HPE-00232		>20000	2.0	2.25	3632			1542	58	<5	63	29.70
Duplicata				2.28					51	<5	62	
HPE-00260		8214			2034			257	46	162	531	2.08
Duplicata												2.05
HPE-00263		18164			6747			1426	7	<5	20	25.18
Duplicata		18605			6941			1453				
HPE-00265		3439			2056			356	1	<5	6	5.11
Duplicata												5.11
HPE-00270		204			92			59	1	<5	<1	0.15
Duplicata												0.15
HPE-00271		14110			3322			1307	14	6	11	21.10
Duplicata									17	8	14	
HPE-00274		651			181			149	1	<5	1	0.33
Duplicata												0.33
HPE-00277		>20000	2.5	2.78	16693			2131	25	<5	62	35.96
Duplicata		>20000	2.5		17012			2140	27	<5	68	
HPE-00283		517			145			140	2	<5	<1	0.27
Duplicata												0.27
HPE-00288		509			75			152	<1	<5	<1	0.20
Duplicata												0.20
HPE-00293		18			28			28	1	<5	<1	0.09
Duplicata												0.09

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-61025.0 (COMPLET) RÉFÉRENCE: 174551-174548

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y. BOULIANNE

PROJET: PN-151 DATE RECU: 17-MAY-01 DATE DE L'IMPRESSION: 29-MAI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010529	1	Ni	Ni - GA30	24	2 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010529	2	Ni	Ni - GA50	3	0.01 PCT	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010529	3	Ni	Nickel, semiquant.	3	0.1 PCT	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010529	4	Cu	Cu - GA30	24	1 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010529	5	Co	Co - GA30	24	3 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010529	6	Au	Or - Pyro Analyse	24	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010529	7	Pt	Platine	24	5 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010529	8	Pd	Palladium	24	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010529	9	S Tot	S (Total) - ST60	24	0.02 PCT		LECO

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	24	-150	24	CONCASSER, PULVERISE	24

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-61025.0 (COMPLET) DATE RECU: 17-MAY-01 DATE DE L'IMPRESSION: 29-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Ni PCT	Ni PCT	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00235		7056			2911	533	63	<5	30	9.74
HPE-00236		3689			1001	316	3	<5	18	5.31
HPE-00237		1976			1233	194	3	<5	9	2.46
HPE-00238		940			389	133	1	<5	3	0.82
HPE-00239		4019			2326	330	6	<5	13	4.56
HPE-00240		8424			2050	263	34	170	545	1.94
HPE-00241		165			157	55	<1	<5	<1	0.28
HPE-00242		12028			3876	955	10	<5	37	13.84
HPE-00243		>20000	2.74	2.6	4372	1855	17	<5	69	28.07
HPE-00244		11041			5191	808	26	<5	29	12.30
HPE-00245		1648			728	171	2	<5	3	2.02
HPE-00246		6176			3911	441	6	<5	5	7.72
HPE-00247		9704			6568	647	10	301	33	12.76
HPE-00248		>20000	2.36	2.2	3606	1564	21	<5	49	25.17
HPE-00249		4320			10253	397	11	<5	8	6.63
HPE-00250		17982			8241	1310	27	<5	32	22.76
HPE-00251		>20000	2.52	2.4	4771	1750	23	<5	55	29.62
HPE-00252		2324			636	286	4	<5	9	2.78
HPE-00253		2118			2073	277	7	<5	4	2.62
HPE-00254		13729			13110	970	18	15	46	15.96
HPE-00255		565			66	136	2	<5	1	0.19
HPE-00256		2192			6254	227	4	<5	8	3.02
HPE-00257		1552			266	192	2	<5	4	1.70
HPE-00258		17095			12046	1235	12	<5	24	19.04

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-61025.0 (COMPLET) DATE RECU: 17-MAY-01 DATE DE L'IMPRESSION: 29-MAI-01

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	Ni PPM	Ni PCT	Ni PCT	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
BLANC		9	-	-	3	<3	1	<5	<1	-
BLANC		-	-	-	-	-	<1	<5	1	-
Nombre d'analyses		1	-	-	1	1	2	2	2	-
Valeur de moyenne		9.0	-	-	3.0	1.5	0.8	2.5	0.8	-
Écart-type		-	-	-	-	-	0.35	0.00	0.35	-
Valeur acceptee		1	<0.01	<0.1	1	1	5	5	5	<0.01
WPR-1		-	-	-	-	-	42	294	243	-
Nombre d'analyses		-	-	-	-	-	1	1	1	-
Valeur de moyenne		-	-	-	-	-	42.0	293.6	243.0	-
Écart-type		-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	42	285	235	-
CANMET Cert. Std.		11641	1.20	-	8990	371	-	-	-	-
Nombre d'analyses		1	1	-	1	1	-	-	-	-
Valeur de moyenne		11641.0	1.200	-	8990.0	371.0	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-
Valeur acceptee		12300	1.23	-	9700	410	-	-	-	10.00
STANDARD DCP		-	-	-	-	-	84	81	77	-
Nombre d'analyses		-	-	-	-	-	1	1	1	-
Valeur de moyenne		-	-	-	-	-	84.0	81.1	76.7	-
Écart-type		-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	83	83	83	-
CANMET Std PR-1		-	-	-	-	-	-	-	-	0.81
Nombre d'analyses		-	-	-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	-	-	0.808
Écart-type		-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	0.79
ME89-1		-	0.01	-	-	-	-	-	-	-
Nombre d'analyses		-	1	-	-	-	-	-	-	-
Valeur de moyenne		-	0.007	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-61025.0 (COMPLET) DATE RECU: 17-MAY-01 DATE DE L'IMPRESSION: 29-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Ni PCT	Ni PCT	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
HPE-00235		7056			2911	533	63	<5	30	9.74
Duplicata										9.47
HPE-00243		>20000	2.74	2.6	4372	1855	17	<5	69	28.07
Duplicata		>20000	2.73	2.6	4463	1808				
HPE-00244		11041			5191	808	26	<5	29	12.30
Duplicata										12.30
HPE-00249		4320			10253	397	11	<5	8	6.63
Duplicata										6.74
HPE-00251		>20000	2.52	2.4	4771	1750	23	<5	55	29.62
Duplicata		>20000		2.4	4628	1716	16	<5	58	
HPE-00254		13729			13110	970	18	15	46	15.96
Duplicata										15.98
HPE-00258		17095			12046	1235	12	<5	24	19.04
Duplicata							13	<5	23	

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-61054.0 (COMPLET) RÉFÉRENCE: 165745

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y. BOULIANNE

PROJET: PN-151 DATE RECU: 23-MAY-01 DATE DE L'IMPRESSION: 30-MAI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010529	1	Ni	Ni - GA30	32	2 PPM	NF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010529	2	Cu	Cu - GA30	32	1 PPM	NF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010529	3	Co	Co - GA30	32	3 PPM	NF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010529	4	Au	Or - Pyro Analyse	32	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010529	5	Pt	Platine	32	5 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010529	6	Pd	Palladium	32	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010529	7	S Tot	S (Total) - ST60	32	0.02 PCT		LECO

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	32	-150	32	CONCASSER, PULVERISE	32

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-61054.0 (COMPLET) DATE RECU: 23-MAY-01 DATE DE L'IMPRESSION: 30-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
C-151-01A		647	89	159	1	<5	<1	0.19
C-151-01B		559	97	143	<1	<5	<1	0.22
C-151-01C		584	104	149	<1	<5	<1	0.22
C-151-01D		49	80	46	<1	<5	<1	0.42
C-151-01E		45	59	62	<1	<5	<1	0.69
C-151-01F		27	20	57	1	<5	1	0.37
C-151-01G		31	41	50	<1	<5	<1	0.40
C-151-02A		418	76	95	<1	<5	<1	0.21
C-151-02B		567	57	136	<1	<5	<1	0.14
C-151-02C		621	72	139	<1	<5	<1	0.20
C-151-02D		805	213	115	2	9	1	0.74
C-151-02E		2748	1589	247	3	<5	6	3.80
C-151-04A		99	60	60	<1	<5	<1	0.21
C-151-04B		75	68	65	<1	<5	<1	0.31
C-151-04C		184	116	67	<1	<5	<1	0.48
C-151-04D		78	63	52	<1	<5	<1	0.21
C-151-04E		59	53	58	<1	<5	<1	0.21
C-151-04F		31	34	50	<1	<5	<1	0.23
C-151-04G		23	38	47	<1	<5	<1	0.26
C-151-04H		20	37	60	<1	<5	<1	0.28
C-151-04I		59	46	49	<1	<5	<1	0.26
C-151-05A		446	43	123	2	<5	<1	0.10
C-151-05B		577	74	146	1	<5	<1	0.21
C-151-05C		546	59	149	1	<5	<1	0.17
C-151-05D		549	44	152	<1	<5	<1	0.15
C-151-05E		513	78	134	2	<5	<1	0.15
C-151-06A		433	167	116	1	<5	<1	0.24
C-151-06B		391	79	120	1	<5	<1	0.20
C-151-06C		616	212	133	1	<5	1	0.57
C-151-06D		519	49	143	<1	<5	<1	0.16
C-151-06E		69	63	65	<1	<5	<1	0.16
C-151-06F		485	79	115	2	<5	<1	0.43

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-61054.0 (COMPLET) DATE RECU: 23-MAY-01 DATE DE L'IMPRESSION: 30-MAI-01 PAGE 2 DE 3

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
BLANC		<2	<1	<3	<1	<5	<1	-
BLANC		-	-	-	<1	<5	<1	-
Nombre d'analyses		1	1	1	2	2	2	-
Valeur de moyenne		1.0	0.5	1.5	0.5	2.5	0.5	-
Écart-type		-	-	-	0.00	0.00	0.00	-
Valeur acceptee		1	1	1	5	5	5	<0.01
STANDARD DCP		-	-	-	85	84	86	-
Nombre d'analyses		-	-	-	1	1	1	-
Valeur de moyenne		-	-	-	85.0	84.0	86.0	-
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		-	-	-	83	83	83	-
CANMET Cert. Std.		11800	9282	400	-	-	-	-
Nombre d'analyses		1	1	1	-	-	-	-
Valeur de moyenne		11800.0	9282.0	400.0	-	-	-	-
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		12300	9700	410	-	-	-	10.00
WPR-1		-	-	-	50	291	260	-
Nombre d'analyses		-	-	-	1	1	1	-
Valeur de moyenne		-	-	-	50.0	291.0	260.0	-
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		-	-	-	42	285	235	-
CANMET STANDARD		-	-	-	-	-	-	0.24
Nombre d'analyses		-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	0.240
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	0.23

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-61054.0 (COMPLET) DATE RECU: 23-MAY-01 DATE DE L'IMPRESSION: 30-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
C-151-01A		647	89	159	1	<5	<1	0.19
Duplicata								0.18
C-151-01E		45	59	62	<1	<5	<1	0.69
Duplicata		45	57	64				
C-151-02C		621	72	139	<1	<5	<1	0.20
Duplicata								0.21
C-151-02E		2748	1589	247	3	<5	6	3.80
Duplicata					3	<5	6	
C-151-04C		184	116	67	<1	<5	<1	0.48
Duplicata								0.48
C-151-04H		20	37	60	<1	<5	<1	0.28
Duplicata								0.27
C-151-05A		446	43	123	2	<5	<1	0.10
Duplicata		436	43	115				
C-151-05D		549	44	152	<1	<5	<1	0.15
Duplicata								0.15
C-151-06D		519	49	143	<1	<5	<1	0.16
Duplicata								0.16
C-151-06E		69	63	65	<1	<5	<1	0.16
Duplicata					1	<5	<1	

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-60960.0 (COMPLET) RÉFÉRENCE: 174545

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: F.THIBERT
PROJET: PN-151 DATE RECU: 07-MAY-01 DATE DE L'IMPRESSION: 16-MAI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010510	1	Ni	Ni - GA30	1	2 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010510	2	Cu	Cu - GA30	1	1 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010510	3	Co	Co - GA30	1	3 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010510	4	Au	Or - Pyro Analyse	1	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010510	5	Pt	Platine	1	5 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010510	6	Pd	Palladium	1	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010510	7	S Tot	S (Total) - ST60	1	0.02 PCT		LECO

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	1	-150	1	CONCASSER, PULVERISE	1

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60960.0 (COMPLET) DATE RECU: 07-MAY-01 DATE DE L'IMPRESSION: 16-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
A-47190		9447	2920	700	11	<5	31	11.71

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60960.0 (COMPLET) DATE RECU: 07-MAY-01 DATE DE L'IMPRESSION: 16-MAI-01

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
BLANC		<2	2	<3	-	-	-	-
Nombre d'analyses		1	1	1	-	-	-	-
Valeur de moyenne		1.0	2.0	1.5	-	-	-	-
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		1	1	1	5	5	5	<0.01
CANMET CERTIFIED STD		-	-	-	-	-	-	12.75
Nombre d'analyses		-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	12.750
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	12.70
CANMET Cert. Std.		11759	9190	402	-	-	-	-
Nombre d'analyses		1	1	1	-	-	-	-
Valeur de moyenne		11759.0	9189.7	402.0	-	-	-	-
Écart-type		-	-	-	-	-	-	-
Valeur acceptee		12300	9700	410	-	-	-	10.00

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60960.0 (COMPLET) DATE RECU: 07-MAY-01 DATE DE L'IMPRESSION: 16-MAI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Ni PPM	Cu PPM	Co PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
A-47190		9447	2920	700	11	<5	31	11.71
Duplicata		9000	2987	751	4	6	30	11.51

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-60988.1 (COMPLET) RÉFÉRENCE: 174553

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y. BOULIANNE
PROJET: PN-151 DATE RECU: 13-JUN-01 DATE DE L'IMPRESSION: 13-JUI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010613	1	Co	Co - GA30	2	3 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010613	2	Cu	Cu - GA30	2	1 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	2	-150	2	ECHANT. DE RESERVE	3

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60988.1 (COMPLET) DATE RECU: 13-JUN-01 DATE DE L'IMPRESSION: 13-JUI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Co PPM	Cu PPM
HPE-00199		767	3091
HPE-00201		750	10400

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60988.1 (COMPLET) DATE RECU: 13-JUN-01 DATE DE L'IMPRESSION: 13-JUI-01

# MESURE STANDARD	ÉLÉMENT UNITÉS	Co PPM	Cu PPM
CANMET Cert. Std.		386	9200
Nombre d'analyses		1	1
Valeur de moyenne		386.0	9200.0
Écart-type		-	-
Valeur acceptee		410	9700

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

RAPPORT: C01-60964.0 (COMPLET) RÉFÉRENCE: 174554

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y.BOULIANNE

PROJET: PN-151 DATE RECU: 08-MAY-01 DATE DE L'IMPRESSION: 5-JUI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT	NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010605	1 SiO2	SiO2 - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010605	2 TiO2	TiO2 - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010605	3 Al2O3	Al2O3 - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010605	4 Fe2O3	Fe2O3 - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010605	5 MnO	MnO - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010605	6 MgO	MgO - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010605	7 CaO	CaO - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010605	8 Na2O	Na2O - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010605	9 P2O5	P2O5 - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010605	10 Cr2O3	Cr2O3 - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010605	11 K2O	K2O - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010605	12 LOI	LOI - XR80	29	-2.00 PCT	Perte au feu 1000 C	GRAVIMETRIE
010605	13 Total	Whole Rock Tot.-XR80	29	0.01 PCT		
010605	14 Ba	Ba - XR01/A	29	10 PPM	Poudre presse	FLUORESCENCE X
010605	15 Nb	Nb - XR01/A	29	2 PPM	Poudre presse	FLUORESCENCE X
010605	16 Rb	Rb - XR01/A	29	2 PPM	Poudre presse	FLUORESCENCE X
010605	17 Sr	Sr - XR01/A	29	1 PPM	Poudre presse	FLUORESCENCE X
010605	18 Y	Y - XR01/A	29	1 PPM	Poudre presse	FLUORESCENCE X
010605	19 Zr	Zr - XR01/A	29	1 PPM	Poudre presse	FLUORESCENCE X
010605	20 Th	Th - XR01	29	2 PPM		FLUORESCENCE X
010605	21 Cs	Cesium	29	1 PPM		FLUORESCENCE X
010605	22 Ta	IC33 - Ta	29	10 PPM	H3PO4-HNO3-HF	INDUC. COUP. PLASMA
010605	23 Ni	Ni - GA30	29	2 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010605	24 Cu	Cu - GA30	29	1 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010605	25 Co	Co - GA30	29	3 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010605	26 V	V - GA30	29	10 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010605	27 Au	Or - Pyro Analyse	29	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010605	28 Pt	Platine	29	5 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010605	29 Pd	Palladium	29	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010605	30 S Tot	S (Total) - ST60	29	0.02 PCT		LECO

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	29	-150	29	CONCASSER, PULVERISE	29

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-60964.0 (COMPLET) DATE RECU : 08-MAY-01 DATE DE L'IMPRESSION: 5-JUI-01 PAGE 1 DE 5

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	P2O5 PCT	Cr2O3 PCT	K2O PCT	LOI PCT	Total PCT	Ba PPM	Nb PPM	Rb PPM	Sr PPM	Y PPM	Zr PPM	Th PPM	Cs PPM	Ta PPM	Ni PPM	Cu PPM	Co PPM	V PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
A-47161		51.99	1.16	16.14	12.16	0.18	6.81	9.62	1.34	0.19	0.03	0.30	-0.13	99.80	445	8	11	221	15	95	<2	6	<10	84	26	55	271	1	<5	<1	0.31
A-47162		51.19	0.42	16.24	8.34	0.14	9.18	10.27	2.10	0.06	0.05	0.57	1.09	99.63	368	5	10	214	8	44	<2	9	<10	45	16	41	222	<1	<5	<1	0.08
A-47163		48.91	0.52	13.83	15.02	0.20	10.97	7.59	1.32	0.09	0.08	0.41	0.23	99.17	259	3	17	162	8	43	<2	11	<10	346	171	120	234	1	<5	<1	1.23
A-47164		49.27	1.23	15.96	13.94	0.22	8.36	9.83	0.42	0.13	0.02	0.47	-0.47	99.39	539	5	27	185	17	74	<2	20	<10	105	19	72	307	<1	<5	<1	0.26
A-47165		50.05	0.94	17.30	11.11	0.17	7.77	9.72	1.94	0.12	0.05	0.55	-0.04	99.68	414	6	11	182	13	83	<2	14	<10	63	22	55	224	<1	<5	<1	0.21
A-47166		55.26	1.05	15.09	11.25	0.18	7.97	7.35	1.21	0.17	0.06	0.37	-0.13	99.82	408	8	20	176	13	95	<2	12	<10	38	25	48	243	<1	<5	<1	0.15
A-47167		42.99	0.56	5.53	19.27	0.27	26.65	3.48	0.73	0.09	0.05	0.49	0.23	100.33	331	3	21	50	11	66	<2	20	<10	660	54	166	108	3	<5	<1	0.10
A-47168		42.96	0.58	5.59	19.06	0.26	26.07	3.46	0.66	0.10	0.05	0.52	0.33	99.64	313	3	23	48	11	69	<2	13	<10	640	38	164	107	11	<5	<1	0.10
A-47169		35.14	2.55	8.30	37.52	0.59	7.73	3.29	0.94	0.20	0.03	0.56	1.45	98.29	342	13	47	96	36	127	2	11	<10	4579	3707	402	342	49	20	13	6.48
A-47170		42.51	0.77	5.10	19.50	0.26	26.55	3.24	0.64	0.11	0.04	0.59	0.67	100.00	368	4	28	48	14	81	<2	18	<10	670	51	148	113	2	<5	<1	0.15
A-47171		42.15	0.61	5.40	19.44	0.26	26.92	3.46	0.69	0.09	0.04	0.50	0.17	99.73	298	4	19	49	11	63	<2	18	<10	673	39	160	102	1	<5	<1	0.11
A-47172		42.39	0.59	5.41	19.30	0.26	26.91	3.33	0.71	0.09	0.04	0.54	0.57	100.15	340	3	25	50	11	65	<2	19	<10	693	58	161	97	<1	<5	<1	0.13
A-47173		43.03	0.53	5.08	19.82	0.28	26.82	2.65	0.68	0.05	0.04	0.61	0.53	100.12	397	3	31	41	10	58	<2	15	<10	490	29	129	91	<1	<5	<1	0.06
A-47174		42.49	0.58	5.10	19.75	0.27	27.88	3.16	0.68	0.09	0.05	0.49	-0.52	100.02	323	4	23	46	10	57	<2	12	<10	771	88	168	90	2	<5	3	0.17
A-47176		40.79	0.63	5.14	18.57	0.24	25.79	3.01	0.66	0.09	0.04	0.51	4.27	99.75	303	3	19	41	10	61	<2	18	<10	641	33	149	109	1	<5	<1	0.11
A-47177		40.50	0.62	5.16	18.10	0.24	25.36	2.97	0.61	0.10	0.04	0.52	5.40	99.62	269	3	23	45	11	69	<2	16	<10	643	41	151	93	1	<5	<1	0.09
A-47178		40.94	0.59	5.02	18.69	0.25	26.27	2.76	0.61	0.10	0.04	0.57	3.84	99.69	325	4	27	49	11	68	<2	7	<10	671	33	153	110	<1	<5	<1	0.10
A-47179		42.55	0.42	10.82	16.09	0.22	21.06	5.54	0.95	0.07	0.03	0.45	1.23	99.43	292	3	14	87	7	44	<2	17	<10	496	32	119	82	1	<5	<1	0.11
A-47180		43.71	0.59	6.02	20.46	0.27	24.05	3.56	0.60	0.09	0.03	0.51	0.22	100.12	260	3	29	50	12	61	<2	18	<10	570	33	146	105	1	<5	<1	0.11

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-60964.0 (COMPLET) DATE RECU : 08-MAY-01 DATE DE L'IMPRESSION: 5-JUI-01 PAGE 2 DE 5

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	P2O5 PCT	Cr2O3 PCT	K2O PCT	LOI PCT	Total PCT	Ba PPM	Nb PPM	Rb PPM	Sr PPM	Y PPM	Zr PPM	Th PPM	Cs PPM	Ta PPM	Ni PPM	Cu PPM	Co PPM	V PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
BLANC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	<1	<3	<10	1	<5	<1	-
BLANC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<5	<1	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	2	2	2	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	<1	2	5	<1	3	<1	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	-
Valeur acceptee		<0.01	<.01	<0.01	<0.01	<.01	<0.01	<0.01	<.01	<.01	<0.01	<.01	<0.01	<0.01	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	1	1	1	5	5	5	<0.01
STANDARD DCP		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	86	82	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	86	82	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	83	83	-
USGS STD-Hot Spring		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	185	-	-	-	-	-	-	-	-	-
USGS STD-Hot Spring		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	183	-	-	-	-	-	-	-	-	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	184	-	-	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.23
USGS STD-Hot Spring		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104	-	-	-	-	-	-	-	-	-
USGS STD-Hot Spring		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	101	-	-	-	-	-	-	-	-	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	103	-	-	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60964.0 (COMPLET) DATE RECU : 08-MAY-01 DATE DE L'IMPRESSION: 5-JUI-01 PAGE 3 DE 5

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	P2O5 PCT	Cr2O3 PCT	K2O PCT	LOI PCT	Total PCT	Ba PPM	Nb PPM	Rb PPM	Sr PPM	Y PPM	Zr PPM	Th PPM	Cs PPM	Ta PPM	Ni PPM	Cu PPM	Co PPM	V PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CANMET STREAM-SED 2		53.62	0.74	15.59	7.34	0.14	3.12	4.18	1.78	0.32	0.01	2.18	10.09	89.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nombre d'analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur de moyenne		53.62	0.74	15.59	7.34	0.14	3.12	4.18	1.78	0.32	0.01	2.18	10.09	89.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		53.70	0.79	15.75	7.25	0.14	3.11	4.00	1.72	0.32	0.01	2.12	10.30	-	-	-	-	-	-	-	-	-	-	53	47	19	101	-	-	-
CANMET Cert. Std.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11822	9109	388	-	-	-	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11822	9109	388	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12300	9700	410	-	-	-	10.00
USGS GXR-4 STD REF		-	-	-	-	-	-	-	-	-	-	-	-	-	1694	10	151	221	14	213	-	-	-	-	-	-	-	-	-	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	1694	10	151	221	14	213	-	-	-	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		66.19	0.48	13.60	4.42	0.02	2.75	1.41	0.76	0.27	-	4.83	4.29	-	1640	-	149	-	14	215	-	-	-	-	-	-	-	-	-	-
WPR-1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	290	251	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	290	251	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	285	235	-
CANMET Std PR-1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.79

CLIENT : FALCONBRIDGE LTD.
RAPPORT: C01-60964.0 (COMPLET)

PROJET: PN-151
DATE RECU : 08-MAY-01 DATE DE L'IMPRESSION: 5-JUI-01 PAGE 4 DE 5

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	P2O5 PCT	Cr2O3 PCT	K2O PCT	LOI PCT	Total PCT	Ba PPM	Nb PPM	Rb PPM	Sr PPM	Y PPM	Zr PPM	Th PPM	Cs PPM	Ta PPM	Ni PPM	Cu PPM	Co PPM	V PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
GS-N		-	-	-	-	-	-	-	-	-	-	-	-	-	1268	20	204	555	16	230	40	-	-	-	-	-	-	-	-	-	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	1268	20	204	555	16	230	40	-	-	-	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	1400	21	185	570	16	235	-	-	-	-	-	-	-	-	-	-	-
CANMET SO-2 REF STD		51.65	1.37	14.61	7.64	0.09	0.85	2.60	2.48	0.68	<0.01	2.88	14.29	84.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nombre d'analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur de moyenne		51.65	1.37	14.61	7.64	0.09	0.85	2.60	2.48	0.68	<0.01	2.88	14.29	84.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		51.70	1.38	14.75	7.69	0.09	0.87	2.64	2.48	0.67	<0.01	2.85	14.26	-	1000	22	78	331	40	760	-	-	-	-	-	-	-	-	-	-	-

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60964.0 (COMPLET) DATE RECU : 08-MAY-01 DATE DE L'IMPRESSION: 5-JUI-01 PAGE 5 DE 5

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	P2O5 PCT	Cr2O3 PCT	K2O PCT	LOI PCT	Total PCT	Ba PPM	Nb PPM	Rb PPM	Sr PPM	Y PPM	Zr PPM	Th PPM	Cs PPM	Ta PPM	Ni PPM	Cu PPM	Co PPM	V PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
A-47151		50.93	0.40	16.95	9.38	0.16	10.37	9.51	1.99	0.02	0.07	0.27	-0.39	99.64	269	3	6	197	3	12	<2	10	<10	138	48	59	159	<1	<5	<1	0.16
Duplicata																														0.15
A-47155		49.14	1.17	16.44	13.62	0.21	8.01	10.31	1.44	0.12	0.04	0.13	-0.32	100.30	327	5	6	219	11	14	<2	7	<10	67	37	67	287	<1	<5	1	0.18
Duplicata		48.98	1.19	16.32	13.48	0.21	7.97	10.23	1.45	0.11	0.04	0.13	-0.38																		
A-47158		49.07	1.17	16.50	13.48	0.21	7.90	9.18	1.71	0.13	0.04	0.28	-0.10	99.55	389	7	10	227	13	47	<2	12	<10	128	102	63	293	<1	<5	<1	0.39
Duplicata															404	7	6	230	14	48	<2	15								
A-47160		49.81	1.17	15.57	12.53	0.20	7.80	10.00	2.37	0.15	0.05	0.48	-0.44	99.69	456	5	8	218	17	44	<2	20	<10	81	30	59	270	<1	<5	<1	0.21
Duplicata																														0.21
A-47163		48.91	0.52	13.83	15.02	0.20	10.97	7.59	1.32	0.09	0.08	0.41	0.23	99.17	259	3	17	162	8	43	<2	11	<10	346	171	120	234	1	<5	<1	1.23
Duplicata																												2	<5	1	
A-47165		50.05	0.94	17.30	11.11	0.17	7.77	9.72	1.94	0.12	0.05	0.55	-0.04	99.68	414	6	11	182	13	83	<2	14	<10	63	22	55	224	<1	<5	<1	0.21
Duplicata																														0.20
A-47169		35.14	2.55	8.30	37.52	0.59	7.73	3.29	0.94	0.20	0.03	0.56	1.45	98.29	362	13	47	96	36	127	2	11	<10	4579	3707	402	342	49	20	13	6.48
Duplicata																								4603	3808	368	321	51	8	13	
A-47170		42.51	0.77	5.10	19.50	0.26	26.55	3.24	0.64	0.11	0.04	0.59	0.67	100.00	368	4	28	48	14	81	<2	18	<10	670	51	148	113	2	<5	<1	0.15
Duplicata																														0.15
A-47171		42.15	0.61	5.40	19.44	0.26	26.92	3.46	0.69	0.09	0.04	0.50	0.17	99.73	298	4	19	49	11	63	<2	18	<10	673	39	160	102	1	<5	<1	0.11
Duplicata																						14									
A-47172		42.39	0.59	5.41	19.30	0.26	26.91	3.33	0.71	0.09	0.04	0.54	0.57	100.15	340	3	25	50	11	65	<2	19	<10	693	58	161	97	<1	<5	<1	0.13
Duplicata		42.37	0.61	5.38	19.17	0.26	26.67	3.33	0.72	0.09	0.04	0.55	0.60		324	4	22	50	11	65	<2			689	60	153	87				
A-47176		40.79	0.63	5.14	18.57	0.24	25.79	3.01	0.66	0.09	0.04	0.51	4.27	99.75	303	3	19	41	10	61	<2	18	<10	641	33	149	109	1	<5	<1	0.11
Duplicata																														0.10

CHIMITEC
BONDAR CLEGG

Rapport Lab Geo(.mie
Geochemical Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg, 1322-B Harricana, Val-d'Or, Québec, J9P 3X6, Tel: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

RAPPORT: C01-61053.0 (COMPLET) RÉFÉRENCE: 174547

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y. BOULIANNE

PROJET: PN-151 DATE RECU: 23-MAY-01 DATE DE L'IMPRESSION: 6-JUI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT	NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010606	1 SiO2	SiO2 - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010606	2 TiO2	TiO2 - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010606	3 Al2O3	Al2O3 - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010606	4 Fe2O3	Fe2O3 - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010606	5 MnO	MnO - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010606	6 MgO	MgO - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010606	7 CaO	CaO - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010606	8 Na2O	Na2O - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010606	9 P2O5	P2O5 - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010606	10 Cr2O3	Cr2O3 - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010606	11 K2O	K2O - XR80	29	0.01 PCT	FUSION BORATE	FLUORESCENCE X
010606	12 LOI	LOI - XR80	29	-2.00 PCT	Perte au feu 1000 C	GRAVIMETRIE
010606	13 Total	Whole Rock Tot.-XR80	29	0.01 PCT		
010606	14 Ba	Ba - XR01/A	29	10 PPM	Poudre presse	FLUORESCENCE X
010606	15 Nb	Nb - XR01/A	29	2 PPM	Poudre presse	FLUORESCENCE X
010606	16 Rb	Rb - XR01/A	29	2 PPM	Poudre presse	FLUORESCENCE X
010606	17 Sr	Sr - XR01/A	29	1 PPM	Poudre presse	FLUORESCENCE X
010606	18 Y	Y - XR01/A	29	1 PPM	Poudre presse	FLUORESCENCE X
010606	19 Zr	Zr - XR01/A	29	1 PPM	Poudre presse	FLUORESCENCE X
010606	20 Th	Th - XR01	29	2 PPM		FLUORESCENCE X
010606	21 Cs	Cesium	29	1 PPM		FLUORESCENCE X
010606	22 Ta	IC33 - Ta	29	10 PPM	H3PO4-HNO3-HF	INDUC. COUP. PLASMA
010606	23 Ni	Ni - GA30	29	2 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010606	24 Cu	Cu - GA30	29	1 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010606	25 Co	Co - GA30	29	3 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010606	26 V	V - GA30	29	10 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQUE
010606	27 Au	Or - Pyro Analyse	29	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010606	28 Pt	Platine	29	5 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010606	29 Pd	Palladium	29	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010606	30 S Tot	S (Total) - ST60	29	0.02 PCT		LECO

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	29	-150	29	CONCASSER, PULVERISE	29

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-61053.0 (COMPLET) DATE RECU : 23-MAY-01 DATE DE L'IMPRESSION: 6-JUI-01 PAGE 1 DE 4

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	P2O5 PCT	Cr2O3 PCT	K2O PCT	LOI PCT	Total PCT	Ba PPM	Nb PPM	Rb PPM	Sr PPM	Y PPM	Zr PPM	Th PPM	Cs PPM	Ta PPM	Ni PPM	Cu PPM	Co PPM	V PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
A-12551		43.54	4.05	14.24	16.29	0.19	5.46	7.61	3.03	0.81	0.01	1.64	2.51	99.39	1128	21	59	294	51	309	<2	8	<10	64	66	62	302	2	<5	<1	0.24
A-12552		44.41	4.26	14.14	17.56	0.22	4.79	7.86	3.80	0.82	0.02	1.72	0.44	100.02	1105	21	61	297	53	305	<2	10	<10	63	67	56	299	1	<5	<1	0.14
A-12553		51.67	0.77	16.91	11.45	0.17	7.82	7.70	2.07	0.09	0.04	0.94	0.77	100.39	353	6	37	140	16	72	<2	13	<10	30	76	53	339	<1	<5	<1	0.38
A-12554		44.43	4.35	13.05	18.37	0.26	4.05	7.82	2.41	1.13	<0.01	1.89	1.76	99.52	1208	26	77	260	70	444	<2	5	<10	36	36	50	276	1	<5	<1	0.38
A-12555		50.65	0.84	15.78	12.17	0.18	8.57	7.88	2.22	0.11	0.05	0.84	0.64	99.92	355	7	37	125	19	77	<2	12	<10	52	42	63	370	2	<5	<1	0.47
A-12556		46.13	3.53	12.38	19.67	0.30	3.39	7.04	2.73	1.71	<0.01	2.72	-0.86	98.73	1618	36	100	213	110	700	<2	9	<10	12	26	45	142	1	<5	<1	0.27
A-12557		51.91	0.81	15.53	11.58	0.17	8.53	7.60	2.20	0.11	0.04	0.97	0.09	99.54	386	5	48	118	20	93	<2	18	<10	27	22	51	358	1	<5	<1	0.28
A-12558		51.40	0.83	17.44	10.86	0.16	7.21	8.37	2.65	0.10	0.04	0.64	0.18	99.88	229	8	31	133	20	98	<2	8	<10	42	33	52	318	1	<5	<1	0.46
A-12559		49.39	1.02	16.03	11.13	0.14	7.76	7.58	2.04	0.12	0.04	0.84	3.80	99.88	426	7	31	144	23	75	<2	17	<10	28	23	55	332	<1	<5	<1	0.18
A-47175		43.54	0.40	5.02	19.48	0.23	24.14	2.07	0.53	0.04	0.04	1.51	2.41	99.42	451	5	83	18	15	31	<2	18	<10	463	114	102	100	1	<5	<1	0.34
A-47181		44.49	0.69	9.69	17.11	0.23	20.11	5.90	1.21	0.10	0.04	0.48	0.14	100.20	296	5	33	78	16	62	<2	17	<10	420	87	121	135	1	<5	<1	0.24
A-47182		45.19	0.69	11.08	15.03	0.22	16.54	7.15	1.23	0.08	0.05	0.85	0.95	99.06	495	6	48	119	18	58	<2	15	<10	284	62	95	148	<1	<5	<1	0.11
A-47183		49.04	0.78	16.03	12.04	0.19	7.56	9.40	1.66	0.07	0.04	0.89	1.34	99.03	450	5	43	155	18	46	<2	15	<10	65	107	52	306	<1	<5	<1	0.10
A-47184		42.22	0.40	8.96	16.85	0.23	20.55	5.51	0.84	0.07	0.04	0.31	2.82	98.80	245	4	23	77	9	34	<2	15	<10	431	39	130	105	4	<5	2	0.13
A-47185		49.60	1.50	15.02	9.51	0.19	6.39	7.92	3.48	0.27	0.02	1.68	3.56	99.13	394	12	71	183	53	169	<2	17	<10	78	49	43	301	<1	<5	<1	0.03
A-47186		44.28	0.59	14.01	20.96	0.16	7.84	6.27	1.59	0.08	0.08	0.99	2.15	98.99	415	6	50	131	14	55	<2	14	<10	3220	860	338	210	3	<5	13	4.26
A-47187		45.32	0.72	13.23	20.52	0.18	8.86	6.74	1.41	0.10	0.08	0.54	1.60	99.30	305	6	33	106	15	60	<2	14	<10	2720	771	276	247	3	<5	6	3.36
A-47188		44.78	4.04	14.51	16.85	0.21	5.11	7.78	3.11	0.80	<0.01	1.61	0.43	99.22	1078	21	58	308	53	307	<2	18	<10	114	100	67	304	2	<5	<1	0.25
A-47189		44.23	4.80	13.44	18.59	0.24	4.76	7.92	2.78	0.91	<0.01	0.98	0.82	99.47	640	23	53	266	59	346	<2	16	<10	49	63	56	305	1	<5	<1	0.10
A-47191		43.55	0.64	10.32	15.82	0.21	20.00	5.37	1.28	0.09	0.03	0.90	0.87	99.07	396	5	50	79	16	68	<2	16	<10	397	40	126	94	1	<5	<1	0.13
A-47192		50.41	0.70	15.63	10.72	0.17	10.53	8.18	2.40	0.09	0.11	0.63	0.08	99.64	264	6	28	141	15	57	<2	16	<10	94	43	57	246	1	<5	2	0.12
A-47193		48.05	1.73	14.66	15.99	0.23	9.15	9.49	0.76	0.23	0.03	0.40	-0.56	100.16	516	9	36	133	37	112	<2	16	<10	120	18	75	311	1	<5	<1	0.19
A-47194		46.70	1.99	15.92	13.65	0.21	7.41	9.01	0.95	0.26	0.03	0.93	2.32	99.39	684	10	49	139	44	144	<2	12	<10	102	27	72	342	<1	<5	<1	0.48
A-47195		44.23	0.65	9.19	18.58	0.22	20.04	5.45	0.48	0.09	0.05	0.37	0.23	99.58	297	5	25	73	15	54	<2	18	<10	1081	337	158	140	2	<5	3	1.04
A-47196		51.15	1.22	17.16	12.92	0.20	6.75	9.55	0.84	0.16	0.03	0.42	-0.23	100.17	424	8	25	144	26	123	<2	9	<10	32	61	48	290	<1	<5	<1	0.18
A-47197		41.33	0.62	6.31	20.21	0.27	20.21	3.59	0.69	0.08	0.05	1.64	3.99	98.98	516	6	83	50	19	81	<2	11	<10	1294	503	136	174	3	<5	3	1.45
A-47198		44.47	4.17	13.63	19.24	0.25	5.76	7.51	2.99	0.84	0.02	1.64	-0.69	99.82	1143	22	58	285	55	329	<2	<1	<10	73	55	65	333	1	<5	<1	0.16
A-47199		47.04	1.62	13.13	15.27	0.20	8.23	9.22	3.45	0.12	0.03	0.40	0.41	99.12	303	11	23	365	29	95	<2	11	<10	149	37	56	347	1	<5	<1	0.09
A-47200		39.12	0.50	5.18	18.23	0.22	24.50	3.04	0.58	0.07	0.03	0.39	7.33	99.19	228	4	28	38	11	45	<2	12	<10	517	28	149	82	1	<5	2	0.10

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-61053.0 (COMPLET) DATE RECU : 23-MAY-01 DATE DE L'IMPRESSION: 6-JUI-01 PAGE 2 DE 4

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	P2O5 PCT	Cr2O3 PCT	K2O PCT	LOI PCT	Total PCT	Ba PPM	Nb PPM	Rb PPM	Sr PPM	Y PPM	Zr PPM	Th PPM	Cs PPM	Ta PPM	Ni PPM	Cu PPM	Co PPM	V PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
BLANC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	<2	<1	<3	<10	<1	<5	<1	-
BLANC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	<5	1	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	2	2	2	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	<1	2	5	<1	3	<1	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	<1	-
Valeur acceptee		<0.01	<.01	<0.01	<0.01	<.01	<0.01	<.01	<.01	<.01	<0.01	<.01	<0.01	<0.01	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	1	1	1	5	5	5	<0.01
STANDARD DCP		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	82	86	-
STANDARD DCP		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	83	82	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	83	84	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	3	-
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	83	83	-
CANMET SO-2 REF STD		51.91	1.37	14.69	7.58	0.09	0.87	2.60	2.48	0.68	<0.01	2.91	14.18	85.18	1097	22	84	325	42	773	<2	-	-	-	-	-	-	-	-	-	-
Nombre d'analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-
Valeur de moyenne		51.91	1.37	14.69	7.58	0.09	0.87	2.60	2.48	0.68	<0.01	2.91	14.18	85.18	1097	22	84	325	42	773	1	-	-	-	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		51.70	1.38	14.75	7.69	0.09	0.87	2.64	2.48	0.67	<0.01	2.85	14.26	-	1000	22	78	331	40	760	-	-	-	-	-	-	-	-	-	-	-
CANMET SO-2 REF STD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	>2000	-	-	-	-	-	-	-	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2000	-	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-61053.0 (COMPLET) DATE RECU : 23-MAY-01 DATE DE L'IMPRESSION: 6-JUI-01 PAGE 3 DE 4

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	P2O5 PCT	Cr2O3 PCT	K2O PCT	LOI PCT	Total PCT	Ba PPM	Nb PPM	Rb PPM	Sr PPM	Y PPM	Zr PPM	Th PPM	Cs PPM	Ta PPM	Ni PPM	Cu PPM	Co PPM	V PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
CANMET Cert. Std.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12357	9316	380	123	-	-	-	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12357	9316	380	123	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12300	9700	410	-	-	-	-	10.00
GS-N		-	-	-	-	-	-	-	-	-	-	-	-	-	1271	21	210	517	19	242	38	-	-	-	-	-	-	-	-	-	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	1271	21	210	517	19	242	38	-	-	-	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	1400	21	185	570	16	235	-	-	-	-	-	-	-	-	-	-	-
USGS STD-Hot Spring		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	179	-	-	-	-	-	-	-	-	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	179	-	-	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.23
CANMET Std PR-1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.79
CANMET STREAM-SED 2		53.33	0.77	15.59	7.30	0.14	3.04	4.18	1.77	0.31	0.01	2.18	10.12	88.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nombre d'analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur de moyenne		53.33	0.77	15.59	7.30	0.14	3.04	4.18	1.77	0.31	0.01	2.18	10.12	88.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		53.70	0.79	15.75	7.25	0.14	3.11	4.00	1.72	0.32	0.01	2.12	10.30	-	-	-	-	-	-	-	-	-	-	-	53	47	19	101	-	-	-	-
CANMET STREAM-SED 2		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106	-	-	-	-	-	-	-	-	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106	-	-	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT : FALCONBRIDGE LTD.
RAPPORT: CO1-61053.0 (COMPLET)

PROJET: PN-151
DATE RECU : 23-MAY-01 DATE DE L'IMPRESSION: 6-JUI-01 PAGE 4 DE 4

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	P2O5 PCT	Cr2O3 PCT	K2O PCT	LOI PCT	Total PCT	Ba PPM	Nb PPM	Rb PPM	Sr PPM	Y PPM	Zr PPM	Th PPM	Cs PPM	Ta PPM	Ni PPM	Cu PPM	Co PPM	V PPM	Au PPB	Pt PPB	Pd PPB	S Tot PCT
A-12551		43.54	4.05	14.24	16.29	0.19	5.46	7.61	3.03	0.81	0.01	1.64	2.51	99.39	1128	21	59	294	51	309	<2	8	<10	64	66	62	302	2	<5	<1	0.24
Duplicata																														0.23
A-12554		44.43	4.35	13.05	18.37	0.26	4.05	7.82	2.41	1.13	<0.01	1.89	1.76	99.52	1208	26	77	260	70	444	<2	5	<10	36	36	50	276	1	<5	<1	0.38
Duplicata		44.64	4.37	13.15	18.38	0.26	4.08	7.84	2.37	1.13	0.01	1.92	1.50		1199	27	74	262	70	449	<2	8	<10	36	35	49	281				
A-12559		49.39	1.02	16.03	11.13	0.14	7.76	7.58	2.04	0.12	0.04	0.84	3.80	99.88	426	7	31	144	23	75	<2	17	<10	28	23	55	332	<1	<5	<1	0.18
Duplicata																								31	26	51	342	1	<5	<1	
A-47175		43.54	0.40	5.02	19.48	0.23	24.14	2.07	0.53	0.04	0.04	1.51	2.41	99.42	451	5	83	18	15	31	<2	18	<10	463	114	102	100	1	<5	<1	0.34
Duplicata																														0.33
A-47185		49.60	1.50	15.02	9.51	0.19	6.39	7.92	3.48	0.27	0.02	1.68	3.56	99.13	394	12	71	183	53	169	<2	17	<10	78	49	43	301	<1	<5	<1	0.03
Duplicata																														0.03
A-47191		43.55	0.64	10.32	15.82	0.21	20.00	5.37	1.28	0.09	0.03	0.90	0.87	99.07	396	5	50	79	16	68	<2	16	<10	397	40	126	94	1	<5	<1	0.13
Duplicata																														0.13
A-47192		50.41	0.70	15.63	10.72	0.17	10.53	8.18	2.40	0.09	0.11	0.63	0.08	99.64	264	6	28	141	15	57	<2	16	<10	94	43	57	246	1	<5	2	0.12
Duplicata		50.69	0.75	15.73	10.63	0.17	10.70	8.18	2.12	0.09	0.11	0.58	0.09		262	6	28	140	15	56	<2	14	<10								
A-47196		51.15	1.22	17.16	12.92	0.20	6.75	9.55	0.84	0.16	0.03	0.42	-0.23	100.17	424	8	25	144	26	123	<2	9	<10	32	61	48	290	<1	<5	<1	0.18
Duplicata																														0.17
A-47198		44.47	4.17	13.63	19.24	0.25	5.76	7.51	2.99	0.84	0.02	1.64	-0.69	99.82	1143	22	58	285	55	329	<2	<1	<10	73	55	65	333	1	<5	<1	0.16
Duplicata																												<1	<5	<1	

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

RAPPORT: C01-60988.0 (COMPLET) RÉFÉRENCE: 174553

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y. BOULIANNE

PROJET: PN-151 DATE RECU: 11-MAY-01 DATE DE L'IMPRESSION: 23-MAI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT	NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010517	1 Au	Or - Pyro Analyse	2	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010517	2 Pt	Platine	2	5 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010517	3 Pd	Palladium	2	1 PPB	PYRO ANALYSE	PYROANALYSE-DCP
010517	4 Ag	Ag - IC30	2	0.5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	5 Al	Al - IC30	2	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	6 As	As - IC30	2	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	7 Ba	Ba - IC30	2	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	8 Bi	Bi - IC30	2	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	9 Ca	Ca - IC30	2	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	10 Cd	Cd - IC30	2	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	11 Co	Co - IC30	2	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	12 Cr	Cr - IC30	2	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	13 Cu	Cu - IC30	2	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	14 Fe Tot	Fe - IC30	2	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	15 Ga	Ga - IC30	2	10 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	16 K	K - IC30	2	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	17 La	La - IC30	2	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	18 Li	Li - IC30	2	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	19 Mg	Mg - IC30	2	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	20 Mn	Mn - IC30	2	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	21 Mo	Mo - IC30	2	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	22 Na	Na - IC30	2	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	23 Nb	Nb - IC30	2	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	24 Ni	Ni - IC30	2	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	25 Pb	Pb - IC30	2	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	26 Sb	Sb - IC30	2	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	27 Sc	Sc - IC30	2	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	28 Sn	Sn - IC30	2	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	29 Sr	Sr - IC30	2	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	30 Ta	Ta - IC30	2	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	31 Te	Te - IC30	2	25 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	32 Ti	Ti - IC30	2	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	33 V	V - IC30	2	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	34 W	W - IC30	2	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	35 Y	Y - IC30	2	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	36 Zn	Zn - IC30	2	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	37 Zr	Zr - IC30	2	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	38 S	S - IC30	2	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	39 Be	Be - IC30	2	1.0 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	40 P	P - IC30	2	10 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	41 U	U - IC30	2	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
010517	42 S Tot	S (Total) - ST60	2	0.02 PCT		LECO
010517	43 Ni	Ni - GA30	2	2 PPM	HF-HNO3-HCLO4-HCL	ABSORPTION ATOMIQ

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	2	-150	2	CONCASSER, PULVERISE	2

COPIES DU RAPPORT À: M. FRANCOIS THIBERT

FACTURE À: M. FRANCOIS THIBERT

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60988.0 (COMPLET) DATE RECU : 11-MAY-01 DATE DE L'IMPRESSION: 23-MAI-01 PAGE 1A(1/ 6)

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB	Pt PPB	Pd PPB	Ag PPM	Al PCT	As PPM	Ba PPM	Bi PPM	Ca PCT	Cd PPM	Co PPM	Cr PPM	Cu PPM	Fe Tot PCT	Ga PPM	K PCT	La PPM	Li PPM	Mg PCT	Mn PPM	Mo PPM	Na PCT	Nb PPM	Ni PPM	Pb PPM	Sb PPM	Sc PPM	Sn PPM	Sr PPM	Ta PPM	Te PPM	Ti PCT	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM	S PCT
HPE-00199		21	<5	46	0.9	4.48	17	72	<5	1.13	2	747	277	3240	>10.00	14	0.22	<5	6	4.09	1241	7	0.47	11	11386	16	<5	<5	<20	30	<5	<25	0.18	227	<20	6	208	7	>10.00
HPE-00201		27	<5	26	3.1	5.76	<5	85	<5	2.05	3	717	295	10621	>10.00	14	0.24	59	7	3.00	1496	11	0.68	5	10858	19	<5	<5	<20	69	8	<25	0.16	195	<20	11	200	38	>10.00

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60988.0 (COMPLET) DATE RECU : 11-MAY-01 DATE DE L'IMPRESSION: 23-MAI-01 PAGE 1B(2/ 6)

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Be PPM	P PPM	U PPM	S Tot. PCT	Ni PPM
HPE-00199		<1.0	316	23	15.47	12106
HPE-00201		<1.0	267	<20	15.05	11111

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-60988.0 (COMPLET) DATE RECU : 11-MAY-01 DATE DE L'IMPRESSION: 23-MAI-01 PAGE 2A(3/ 6)

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	Au PPB	Pt PPB	Pd PPB	Ag PPM	Al PCT	As PPM	Ba PPM	Bi PPM	Ca PCT	Cd PPM	Co PPM	Cr PPM	Cu PPM	Fe Tot PCT	Ga PPM	K PCT	La PPM	Li PPM	Mg PCT	Mn PPM	Mo PPM	Na PCT	Nb PPM	Ni PPM	Pb PPM	Sb PPM	Sc PPM	Sn PPM	Sr PPM	Ta PPM	Te PPM	Ti PCT	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM	S PCT
CANMET Cert. Std.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc Concentrate CRM		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nombre d'analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur de moyenne		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BLANC		-	-	-	<.5	<.01	<5	<5	<5	<.01	<1	<1	<2	<1	<0.01	<10	<.01	<5	<2	<.01	<5	<1	<.01	<5	<1	<2	<5	<5	<20	<1	<5	<25	<.01	<2	<20	<5	<2	<5	<0.01
Nombre d'analyses		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Valeur de moyenne		-	-	-	0.3	<.01	3	3	3	<.01	<1	<1	1	<1	<0.01	5	<.01	3	1	<.01	3	<1	<.01	3	<1	1	3	3	10	<1	3	13	<.01	1	10	3	1	3	<0.01
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		5	5	5	0.2	-	5	<1	2	<.01	1	1	1	1	0.05	<1	<.01	<1	<1	<.01	1	1	-	<1	1	2	5	<1	<1	<1	<1	<1	<.01	1	<1	<1	1	<1	<0.01
CANMET LKSD-2		-	-	-	<.5	6.40	14	714	<5	1.43	1	22	35	37	4.32	<10	1.88	59	20	0.93	1992	3	1.27	11	31	40	<5	9	<20	218	<5	<25	0.33	65	<20	35	217	122	0.17
Nombre d'analyses		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Valeur de moyenne		-	-	-	0.3	6.40	14	714	3	1.43	1	22	35	37	4.32	5	1.88	59	20	0.93	1992	3	1.27	11	31	40	3	9	10	218	3	13	0.33	65	10	35	217	122	0.17
Écart-type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valeur acceptee		-	-	-	0.8	6.50	9	780	-	1.57	<1	17	57	37	4.30	-	2.19	68	20	1.01	2020	2	1.43	16	26	44	1	13	5	220	<1	-	0.40	77	-	44	209	136	0.14

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151
RAPPORT: C01-60988.0 (COMPLET) DATE RECU : 11-MAY-01 DATE DE L'IMPRESSION: 23-MAI-01 PAGE 2B(4/ 6)

# MESURE / STANDARD	ÉLÉMENT / UNITÉS	Be PPM	P PPM	U PPM	S Tot PCT	Ni PPM
CANMET Cert. Std.		-	-	-	-	11782
Nombre d'analyses		-	-	-	-	1
Valeur de moyenne		-	-	-	-	11782
Écart-type		-	-	-	-	-
Valeur acceptee		-	-	-	10.00	12300
Zinc Concentrate CRM		-	-	-	31.74	-
Nombre d'analyses		-	-	-	1	-
Valeur de moyenne		-	-	-	31.74	-
Écart-type		-	-	-	-	-
Valeur acceptee		-	-	-	31.60	-
BLANC		<1.0	<10	<20	-	<2
Nombre d'analyses		1	1	1	-	1
Valeur de moyenne		0.5	5	10	-	1
Écart-type		-	-	-	-	-
Valeur acceptee		<0.1	<1	<1	<0.01	1
CANMET LKSD-2		2.1	1220	<20	-	-
Nombre d'analyses		1	1	1	-	-
Valeur de moyenne		2.1	1220	10	-	-
Écart-type		-	-	-	-	-
Valeur acceptee		2.5	1200	-	-	26

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60988.0 (COMPLET) DATE RECU : 11-MAY-01 DATE DE L'IMPRESSION: 23-MAI-01 PAGE 3A(5/ 6)

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB	Pt PPB	Pd PPB	Ag PPM	Al PCT	As PPM	Ba PPM	Bi PPM	Ca PCT	Cd PPM	Co PPM	Cr PPM	Cu PPM	Fe Tot PCT	Ga PPM	K PCT	La PPM	Li PPM	Mg PCT	Mn PPM	Mo PPM	Na PCT	Nb PPM	Ni PPM	Pb PPM	Sb PPM	Sc PPM	Sn PPM	Sr PPM	Ta PPM	Te PPM	Ti PCT	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM	S PCT
HPE-00199		21	<5	46	0.9	4.48	17	72	<5	1.13	2	747	277	3240	>10.00	14	0.22	<5	6	4.09	1241	7	0.47	11	11386	16	<5	<5	<20	30	<5	<25	0.18	227	<20	6	208	7	>10.00
Duplicata																																						

CHIMITEC
BONDAR CLEGG

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT : FALCONBRIDGE LTD.
RAPPORT: C01-60988.0 (COMPLET)

PROJET: PN-151
DATE RECU : 11-MAY-01 DATE DE L'IMPRESSION: 23-MAI-01 PAGE 3B(6/ 6)

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Be PPM	P PPM	U PPM	S Tot PCT	Ni PPM
HPE-00199		<1.0	316	23	15.47	12106
Duplicata					15.26	

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-60933.1 (COMPLET) RÉFÉRENCE: 165743

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: BOULIANNE & BABIN

PROJET: PN-151 DATE RECU: 15-JUN-01 DATE DE L'IMPRESSION: 19-JUI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010619	1	Den	Densite	5	1.00 G/CM3		

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	5	-150	5	ECHANT. DE RESERVE	5

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURÉ À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60933.1 (COMPLET) DATE RECU: 15-JUN-01 DATE DE L'IMPRESSION: 19-JUI-01 PAGE 1 DE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Den G/CM3
HPE-00091		3.43
HPE-00092		3.80
HPE-00093		3.85
HPE-00094		3.35
HPE-00095		4.23

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-60963.1 (COMPLET) RÉFÉRENCE: 174555-56

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y.BOULIANNE

PROJET: PN-151 DATE RECU: 15-JUN-01 DATE DE L'IMPRESSION: 19-JUI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010619	1	Den	Densite	10	1.00 G/CM3		

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	10	-150	10	ECHANT. DE RESERVE	10

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60963.1 (COMPLET) DATE RECU: 15-JUN-01 DATE DE L'IMPRESSION: 19-JUI-01 PAGE 1 DE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Den G/CM3
HPE-00118		4.06
HPE-00119		4.22
HPE-00121		3.02
HPE-00122		4.23
HPE-00123		3.57
HPE-00124		4.13
HPE-00125		3.24
HPE-00126		3.98
HPE-00127		3.49
HPE-00128		3.86

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-60988.2 (COMPLET) RÉFÉRENCE: 174553

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y. BOULIANNE

PROJET: PN-151 DATE RECU: 18-JUN-01 DATE DE L'IMPRESSION: 19-JUI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010619	1	Den	Densite	2	1.00 G/CM3		

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	2	-150	2	ECHANT. DE RESERVE	2

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60988.2 (COMPLET) DATE RECU: 18-JUN-01 DATE DE L'IMPRESSION: 19-JUI-01 PAGE 1 DE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Den G/CM3
HPE-00199		3.57
HPE-00201		3.49

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-60987.1 (COMPLET) RÉFÉRENCE: 174553

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y. BOULIANNE

PROJET: PN-151 DATE RECU: 15-JUN-01 DATE DE L'IMPRESSION: 19-JUI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010619	1	Den	Densite	11	1.00 G/CM3		

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	11	-150	11	ECHANT. DE RESERVE	11

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-60987.1 (COMPLET) DATE RECU: 15-JUN-01 DATE DE L'IMPRESSION: 19-JUI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Den G/CM3
HPE-00194		3.32
HPE-00195		3.31
HPE-00196		3.14
HPE-00197		3.24
HPE-00198		3.20
HPE-00202		3.16
HPE-00203		3.19
HPE-00204		3.13
HPE-00205		3.27
HPE-00206		3.04
HPE-00207		3.23

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-61025.1 (COMPLET) RÉFÉRENCE: 174551-174548

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y. BOULIANNE
PROJET: PN-151 DATE RECU: 15-JUN-01 DATE DE L'IMPRESSION: 19-JUI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010619	1	Den	Densite	10	1.00 G/CM3		

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	10	-150	10	ECHANT. DE RESERVE	10

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-61025.1 (COMPLET) DATE RECU: 15-JUN-01 DATE DE L'IMPRESSION: 19-JUI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Den G/CM3
HPE-00242		3.15
HPE-00243		4.25
HPE-00244		3.22
HPE-00245		3.03
HPE-00246		3.11
HPE-00247		3.07
HPE-00248		4.19
HPE-00249		3.26
HPE-00250		4.16
HPE-00251		4.22

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-61055.1 (COMPLET) RÉFÉRENCE: 174552-549-550-546

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: Y. BOULIANNE

PROJET: PN-151 DATE RECU: 15-JUN-01 DATE DE L'IMPRESSION: 19-JUI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010619	1	Den	Densite	5	1.00 G/CM3		

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	5	-150	5	ECHANT. DE RESERVE	5

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD. PROJET: PN-151

RAPPORT: C01-61055.1 (COMPLET) DATE RECU: 15-JUN-01 DATE DE L'IMPRESSION: 19-JUI-01 PAGE 1 DE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Den G/CM3
HPE-00275		3.59
HPE-00276		4.28
HPE-00277		4.48
HPE-00278		2.86
HPE-00279		3.23

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

FALCONBRIDGE LTD.
M. FRANCOIS THIBERT
3296, FRANCIS-HUGHES AV.
LAVAL (QUEBEC)
H7L 5A7

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

RAPPORT: C01-60960.1 (COMPLET) RÉFÉRENCE: 174545

CLIENT: FALCONBRIDGE LTD. SOUMIS PAR: F.THIBERT

PROJET: PW-151 DATE RECU: 15-JUN-01 DATE DE L'IMPRESSION: 19-JUI-01

DATE APPROUVÉ	COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHODE
010619	1	Den	Densite	1	1.00 G/CM3		

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTTE DE FORAGE	1	-150	1	ECHANT. DE RESERVE	1

COPIES DU RAPPORT À: M. FRANCOIS THIBERT FACTURE À: M. FRANCOIS THIBERT

****

Ce rapport ne doit être reproduit que dans sa totalité. Les données présentées dans ce rapport sont exprimées sur base sèche sauf indication contraire et ne concernent que les échantillons reçus, identifiés par le numéro d'échantillon.

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT : FALCONBRIDGE LTD.
PROJET: PN-151
RAPPORT: C01-60960.1 (COMPLET)
DATE RECU: 15-JUN-01
DATE DE L'IMPRESSION: 19-JUI-01

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Den G/CM3
A-47190		3.35

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

APPENDIX C

ANALYTICAL QUALITY CONTROL

As part of Falconbridge Limited analytical quality control program, standard reference samples provided by the SMRQ (Société Minière Raglan du Québec) were inserted with the regular samples and represent 5% of the total samples analyzed.

A reasonable level of confidence can be attributed to the analytical results provided by ALS Chimitec on the 2001 Haut Plateau drill program based on the analysis of standards. Falconbridge diamond drill holes 151-01 through 151-06 were logged and mineralized sections of the core sampled by Falconbridge personnel at the project site. The core samples, and a number of geochemical standards of known concentration, were shipped to the ALS Chimitec laboratory at Val-d'Or Québec for preparation, nickel, copper and cobalt analysis. The base metal analytical results provided by Chimitec for the included standards were compared with the expected values. Overall, the results of the standards are good, lending credence to the accuracy of the regular assay results.

Table IX
Standard Assay Results
Project 151, Haut Plateau Est, Sept-Îles, Qc

Sample	*DDH*	*Standard*	*Lab Certificate*	*Ni ppm*	*Cu ppm*	*Co ppm*	*Au ppb*	*Pt ppb*	*Pd ppb*	*S %*
HPE-00026	131-01	EXS-3A	C01-60961.0	8203	2080	258	53	169	586	2.03
HPE-00040	151-03	EXS-3A	C01-60961.0	8365	2154	248	83	172	569	2.03
HPE-00060	151-03	EXS-3A	C01-60933.0	8267	1970	243	30	171	548	2.06
HPE-00080	151-03	EXS-1A								
HPE-00100	151-01	EXS-1A	C01-60933.0	2558	764	100	40	79	195	0.77
HPE-00120	151-02	EXS-3A	C01-60963.0	8100	2030	243	37	162	545	2.08
HPE-00140	151-02	EXS-1A	C01-60963.0	2461	755	105	12	75	206	0.72
HPE-00160	151-04	EXS-1A	C01-60987.0	2485	765	98	18	80	203	0.68
HPE-00180	151-04	EXS-1A	C01-60987.0	2597	807	103	10	73	196	0.73
HPE-00200	151-04	EXS-3A	C01-60987.0	8883	2168	267	65	184	561	1.93
HPE-00220	151-06	EXS-3A	C01-61055.0	8002	2004	261	76	178	563	2.01
HPE-00240	151-06	EXS-3A	C01-61025.0	8424	2050	263	34	170	545	1.94
HPE-00260	151-06	EXS-3A	C01-61055.0	8214	2034	257	46	162	531	2.08
HPE-00280	151-01	EXS-3A	C01-61055.0	8426	2033	269	36	163	528	2.00

Falconbridge Limited
Exploration – Eastern North America
3296, Francis-Hughes Avenue
Laval (Quebec)
Canada H7L 5A7
Tel.: (450) 668-2112 Fax: (450) 668-2929

Memorandum

***Date*:** **April26,2001**

***To*:** **ENA and WNA**

***From*:** **Danielle Giovenazzo**

***Subject*:** **EXS-Standard compilation**

Introduction

Please find in this binder

A- Tables containing the analytical results from four commercial laboratories, with statistics and corresponding histograms per standard.
B- Certificates of analytical data from the four different laboratories.
C- Certificates of analytical values from SMRQ with memos concerning the EXS standards.
D- CIM article on sampling best practices (memo by Chester Moore, Feb. 3 2000)
E- Analytical Quality Control procedures in Mineral exploration, by Barry W. Smee, Oct. 13 1993.
F- Precision Graphs, by Lynda Bloom, March 18 2000.
G- Memo from Denis Prince on assay procedures, May 20 1993.

EXS-1a, EXS-2a and EXS-3a are internal standards made for the Laval Exploration Group in January 2000. They were mixed from rocks of Raglan and all three batches proved homogeneous (memo from C-E. Foucault, 27 April 2000). SMRQ issued certificate of analysis for the EXS series standards with recommended Ni, Cu, Co, S and specific gravity values.

Because SMRQ only analysed for the metals (Ni, Cu, Co, Fe, Au, Pd, Pt and S), twenty sub-samples were provided in order to be sent for analysis for the other element and Oxides.

Four Analytical laboratories were approached (Lakefield, Bondar-Clegg, TSL Laboratories and X-Ral).

Analytical methods by Laboratory

TSL Laboratories
#2 - 302 48th Street
Saskatoon, SK

Element/Oxide	Methods	Extraction	Lower Detection limit
Oxides	ICP	Lithium Borate fusion	0.01%
Ba ,Sr, Zr	ICP	Lithium Borate fusion	10ppm
Y,Sc	ICP	Lithium Borate fusion	1 and 2ppm
Ni, Cu, Co, As, Zn	Atomic Absorption	Hf-HNO3-HClO4	0.01%
Ag	Atomic Absorption	Hf-HNO3-HClO4	1.7ppm
Au,	Atomic Absorption	Fire Assay Fusion	5ppb
Pt, Pd	Atomic Absorption	Fire Assay Fusion	20 and 10 ppb
S	ICP	HCl-HNO3-HBr	0.01%

Bondar-Clegg
1322b rue Harricana,
Val D'Or, P.Q.
(Richard Deschambault)

Element/Oxide	Methods	Extraction	Lower Detection limit
Oxides	XRF	Borate fusion	0.01%
Ba,	XRF	Pressed pellets	10ppm
Nb,Rb,	XRF	Pressed pellets	2ppm
Sr,Y,Zr	XRF	Pressed pellets	1ppm
V	Atomic Absorption	Hf-HNO3-HClO4	10ppm
Ni,Cu,Zn	Atomic Absorption	Hf-HNO3-HClO4	1ppm
Co	Atomic Absorption	Hf-HNO3-HClO4	3ppm
Ag	Atomic Absorption	Hf-HNO3-HClO4	0.1ppm
As	Neutron Activation		1.0ppm
Au,Pd	DCP	Fire Assay	1ppb
Pt	DCP	Fire Assay	5ppb
S	Leco		0.01%

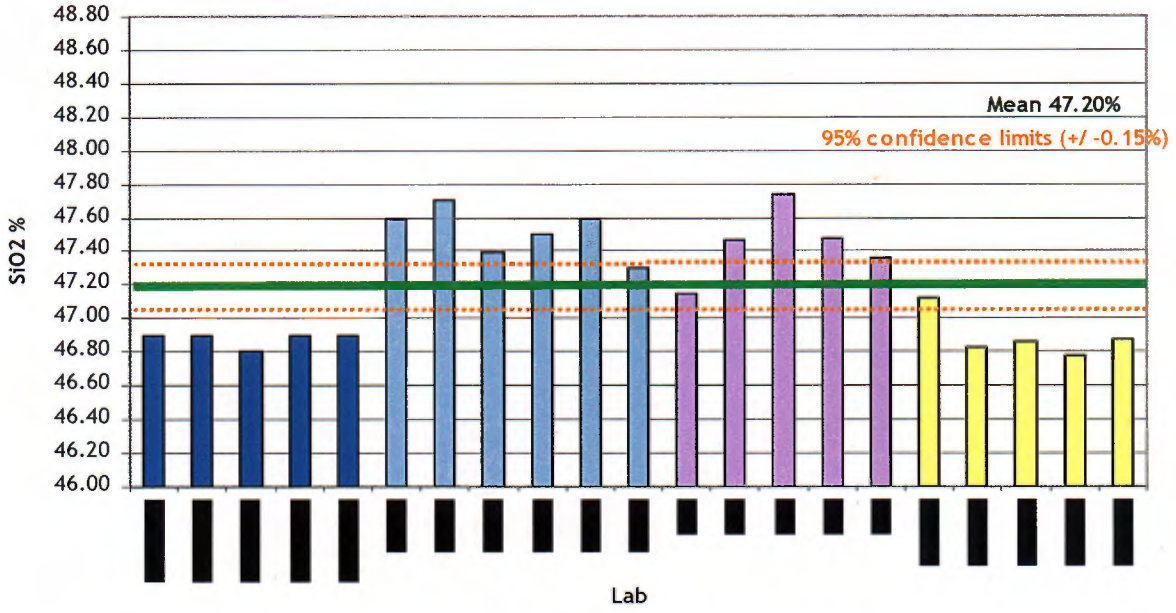
Lakefield Research Limited
Box 4300, 185 Concession St.
Lakefield, Ont.
(Roch Marion)

Element/Oxide	Methods	Extraction	Lower Detection limit
Oxides	XRF	Borate fusion	0.01%
Ba	XRF	Pressed pellets	10ppm
Nb, Rb, Sr, Y ,Zr	XRF	Pressed pellets	5ppm
Ni, Cu, Co,	XRF	Pulp	5ppm
V	ICP	HCl-HNO3-HF-HClO4	50ppm
Ag, Zn	ICP	HCl-HNO3-HF-HClO4	5ppm
As	ICP	HCl-HNO3-HF-HClO4	10ppm
Au, Pt, Pd	Fire Assay	Lead fusion	0.02ppm
S	Leco		0.01%

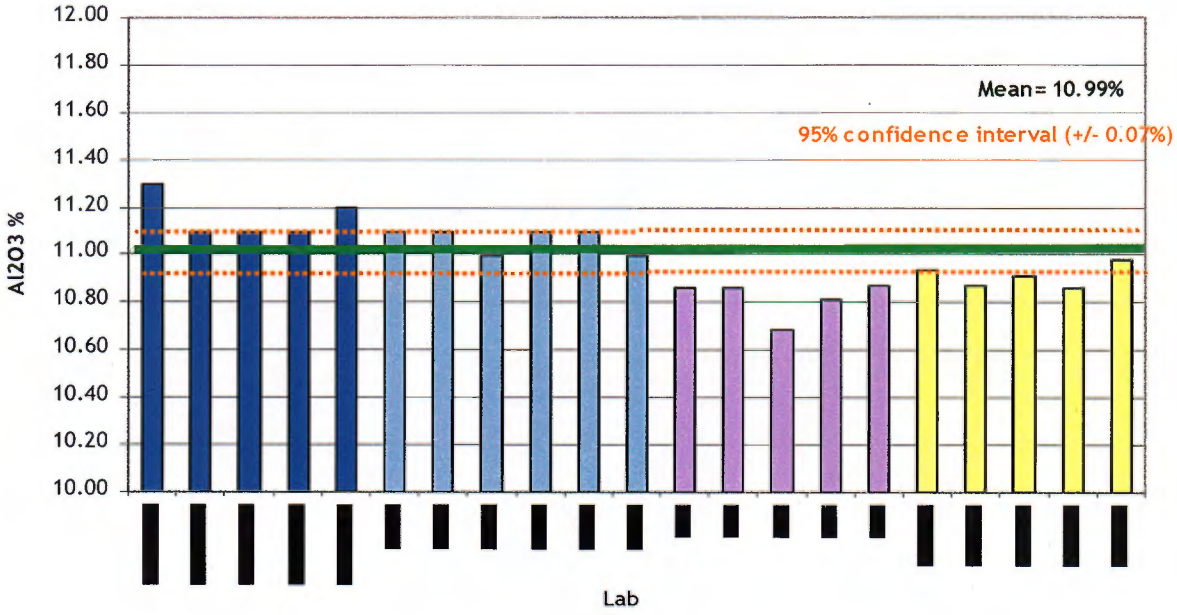
XRAL Laboratories
SGS Canada Inc.
129 Ave.Marcel Baril
Rouyn-Noranda
(JoeLanders)

Element/Oxide	Methods	Extraction	Lower Detection limit
Oxides	XRF	Borate fusion	0.01%
Ba	XRF	Borate fusion	20ppm
Nb, Rb, Sr, Y, Zr	XRF	Borate fusion	2ppm
Ni	Atomic Absorption	Hf-HNO3-HCl-HBr	0.01%
Cu, Zn, Co	AA	HCl-HNO3	2ppm
Ag	AA	HCl-HNO3	0.2ppm
V	ICP		10ppm
As,	AA	HCl-HNO3	0.1ppm
Au, Pd	DCP	Fire Assay	1ppb
Pt	DCP	Fire Assay	10ppb
S	Leco	Fusion	0.01%

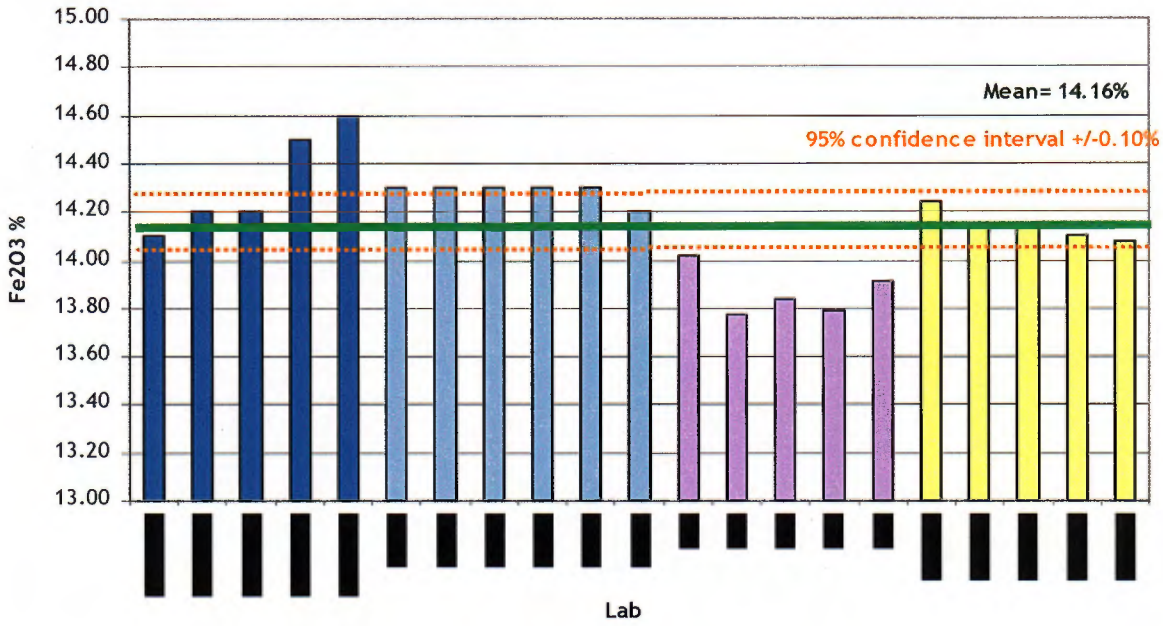
EXS-1A


48.80
48.60
48.40
48.20
48.00
47.80
47.60
47.40
47.20
47.00
46.80
46.60
46.40
46.20
46.00
SiO2 %
Mean 47.20%
95% confidence limits (+/ -0.15%)
Lab

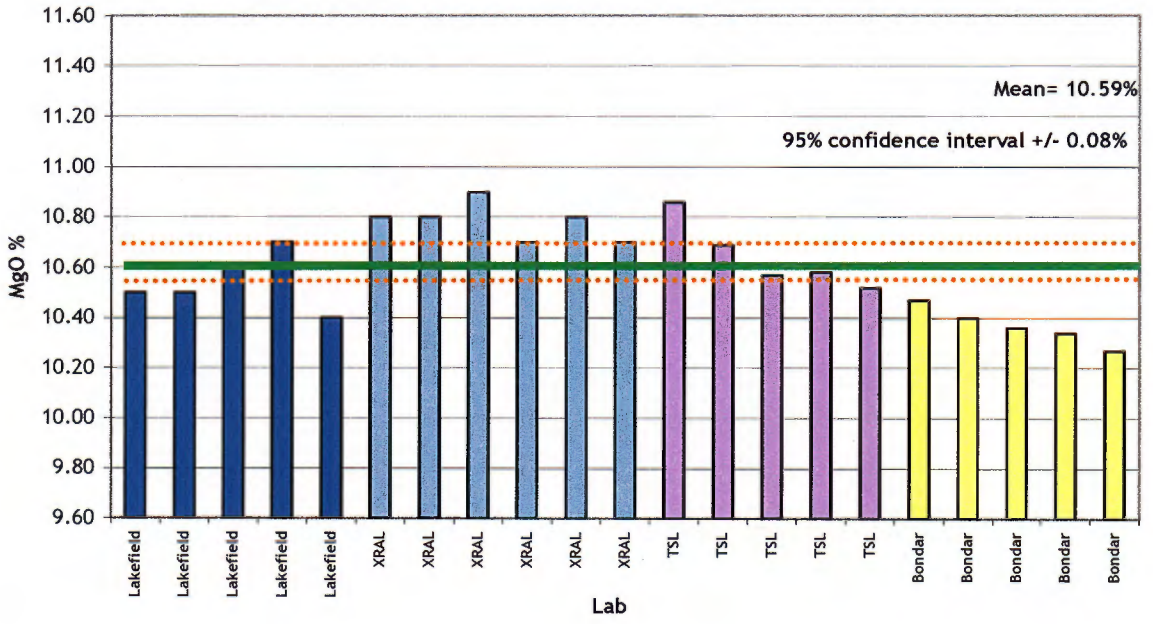
EXS-1A


12.00
11.80
11.60
11.40
11.20
11.00
10.80
10.60
10.40
10.20
10.00
Al2O3 %
Mean= 10.99%
95% confidence interval (+/- 0.07%)
Lab

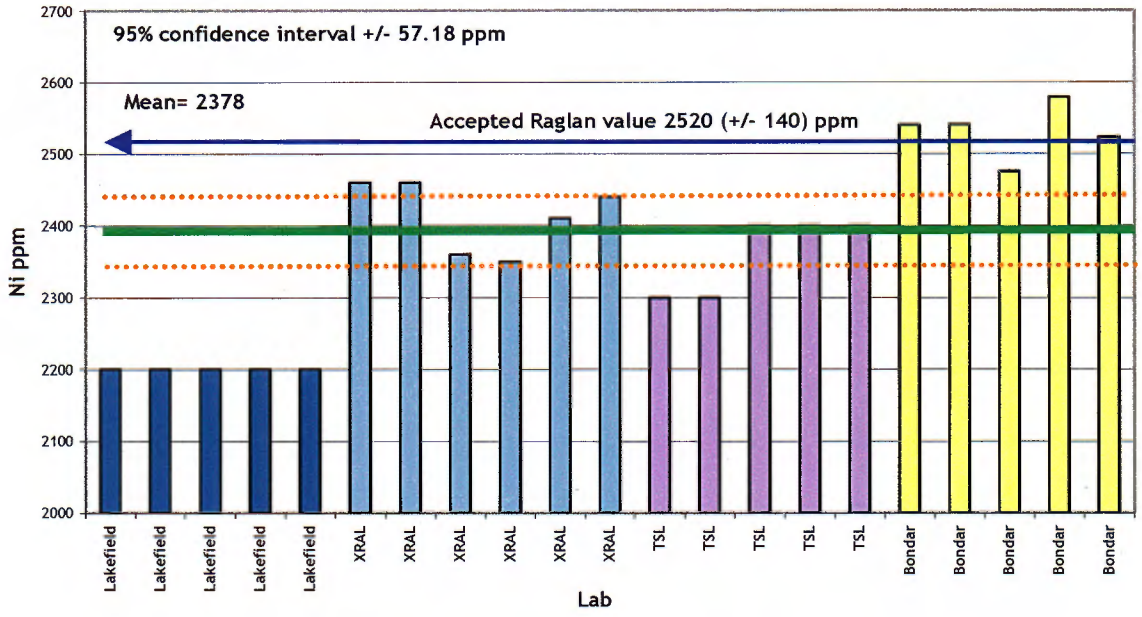
EXS-1A


15.00
14.80
14.60
14.40
14.20
14.00
13.80
13.60
13.40
13.20
13.00
Fe2O3 %
Mean= 14.16%
95% confidence interval +/-0.10%
Lab

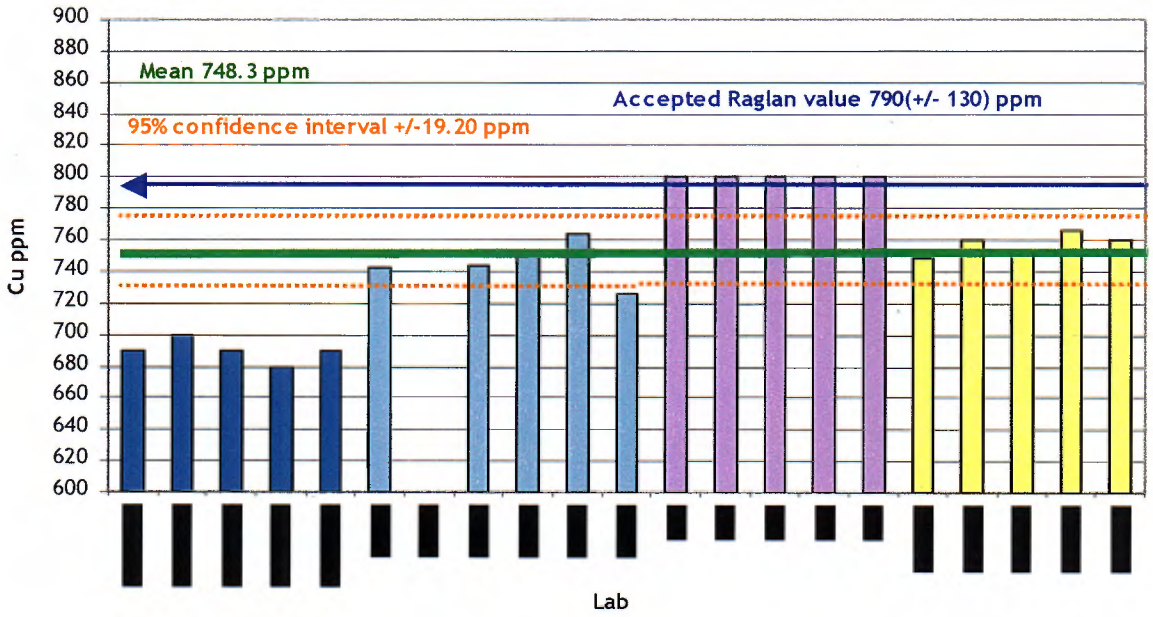
EXS-1A


11.60
11.40
11.20
11.00
10.80
10.60
10.40
10.20
10.00
9.80
9.60
MgO %
Mean= 10.59%
95% confidence interval +/- 0.08%
Lakefield
Lakefield
Lakefield
Lakefield
Lakefield
XRAL
XRAL
XRAL
XRAL
XRAL
XRAL
TSL
TSL
TSL
TSL
TSL
Bondar
Bondar
Bondar
Bondar
Bondar
Lab

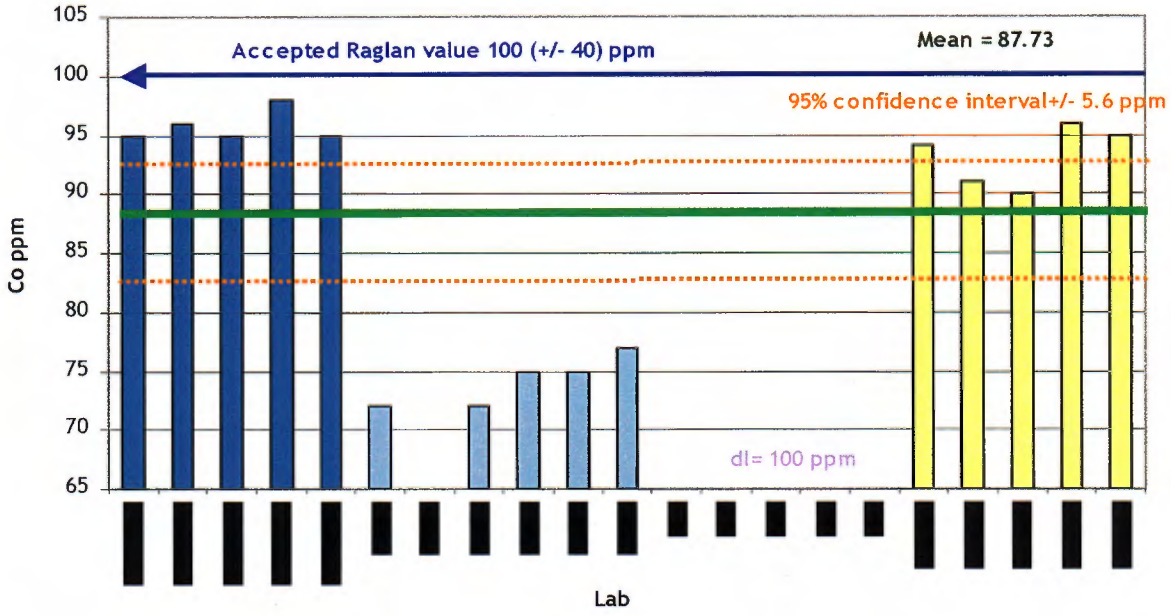
EXS-1A


95% confidence interval +/- 57.18 ppm
Mean= 2378
Accepted Raglan value 2520 (+/- 140) ppm
Ni ppm
2700
2600
2500
2400
2300
2200
2100
2000
Lakefield
XRAL
TSL
Bondar
Lab

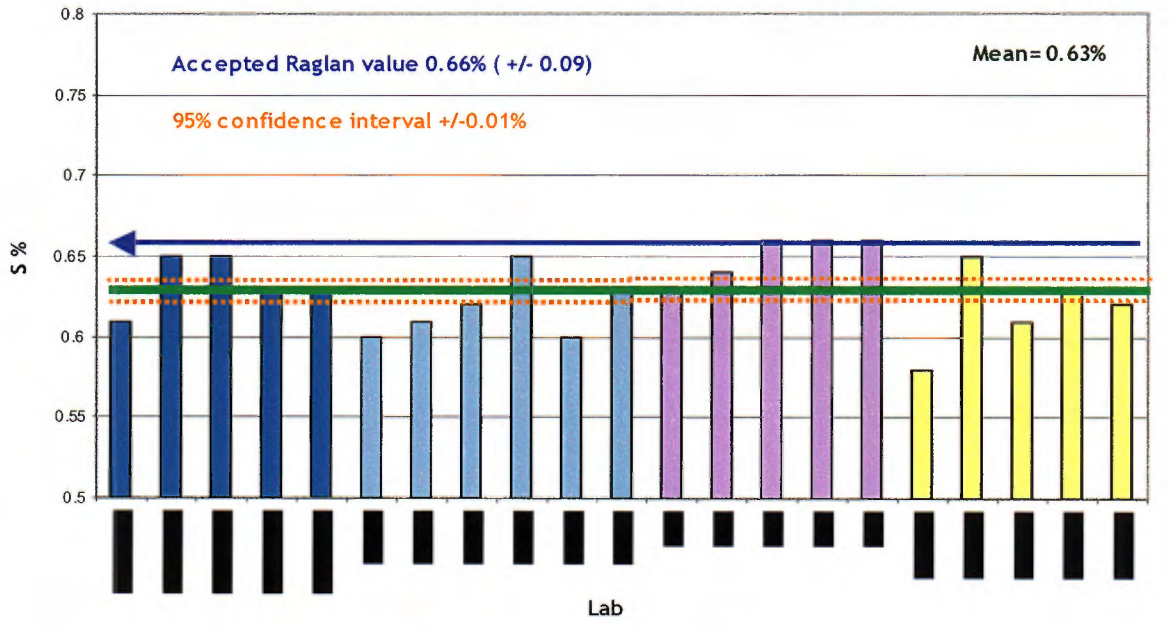
EXS-1A


Mean 748.3 ppm
Accepted Raglan value 790(+/- 130) ppm
95% confidence interval +/-19.20 ppm
Cu ppm
900
880
860
840
820
800
780
760
740
720
700
680
660
640
620
600
Lab

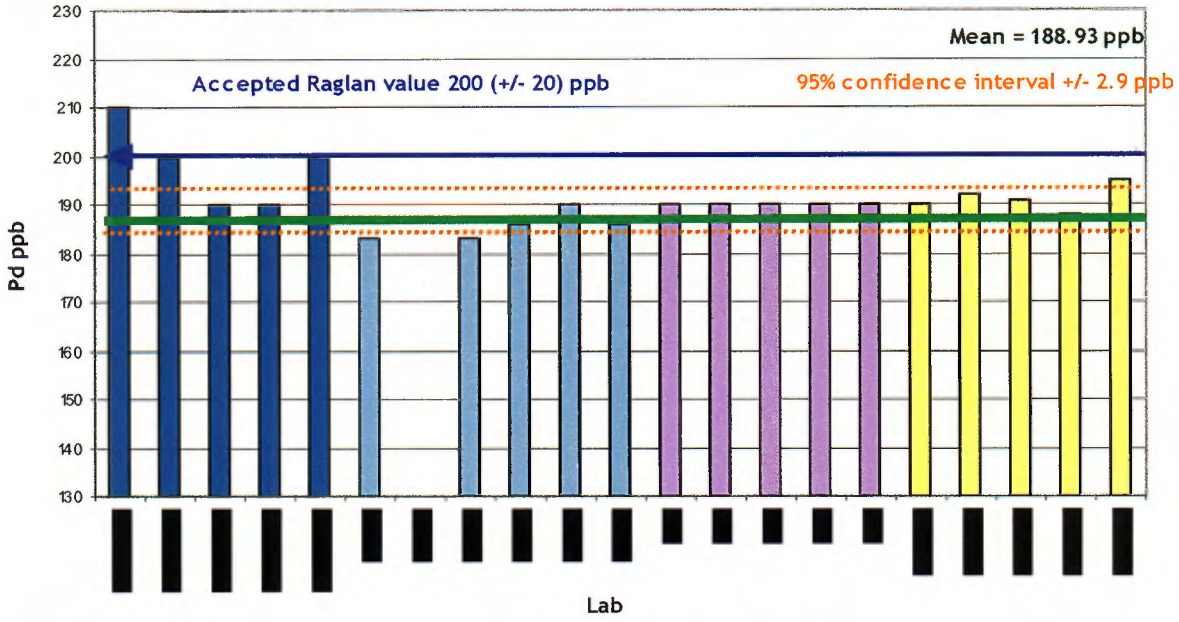
EXS-1A


105
100
95
90
85
80
75
70
65
Co ppm
Accepted Raglan value 100 (+/- 40) ppm
Mean = 87.73
95% confidence interval+/- 5.6 ppm
dl= 100 ppm
Lab

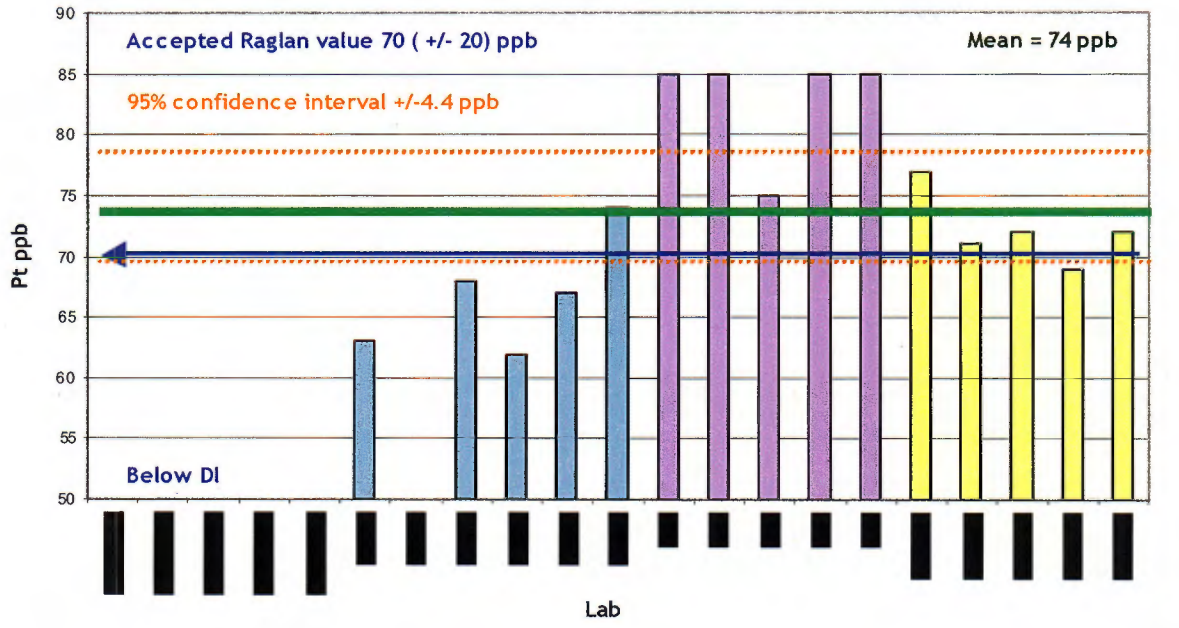
EXS-1A


0.8
0.75
0.7
0.65
0.6
0.55
0.5
S %
Accepted Raglan value 0.66% (+/- 0.09)
Mean= 0.63%
95% confidence interval +/-0.01%
Lab

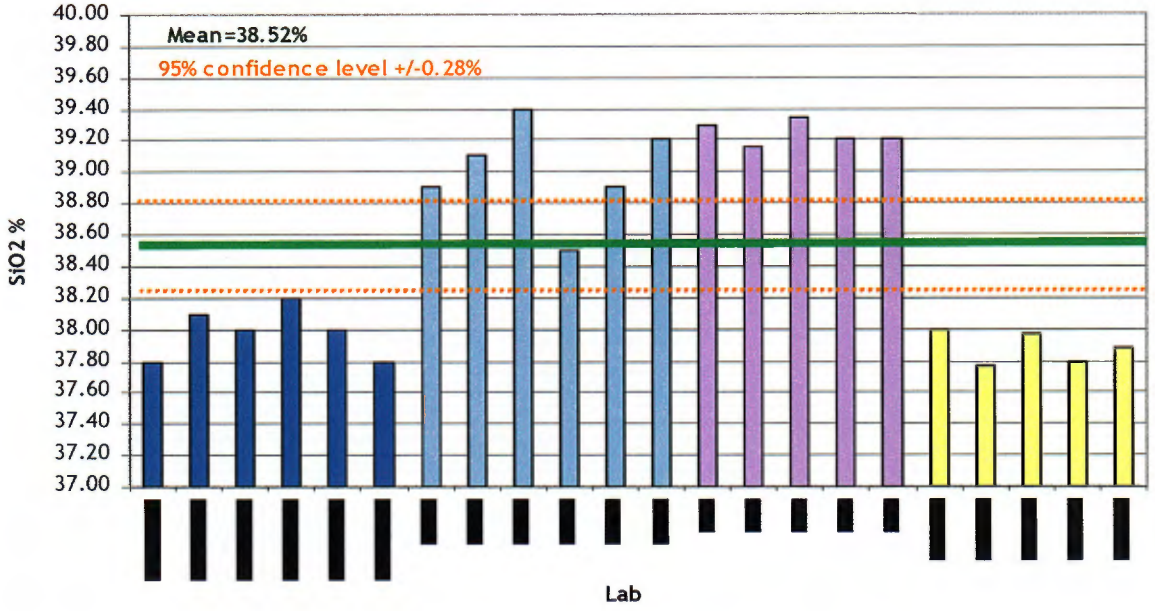
EXS-1A


Mean = 188.93 ppb
Accepted Raglan value 200 (+/- 20) ppb
95% confidence interval +/- 2.9 ppb
Pd ppb
230
220
210
200
190
180
170
160
150
140
130
Lab

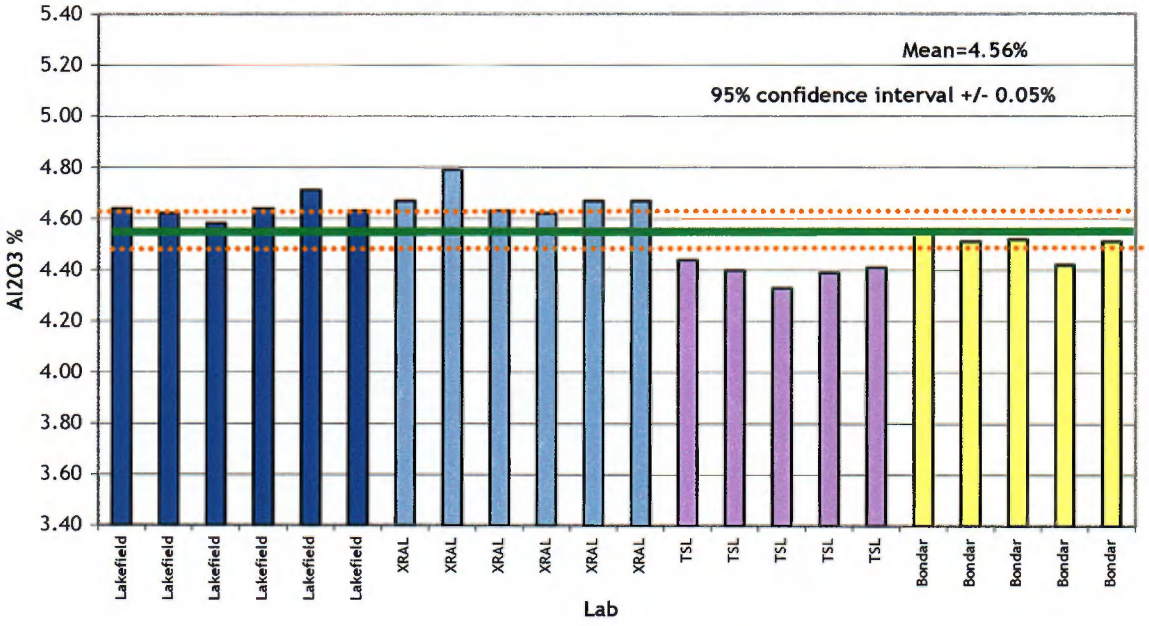
EXS-1A


Accepted Raglan value 70 (+/- 20) ppb
Mean = 74 ppb
95% confidence interval +/-4.4 ppb
Below DI
Pt ppb
90
85
80
75
70
65
60
55
50
Lab

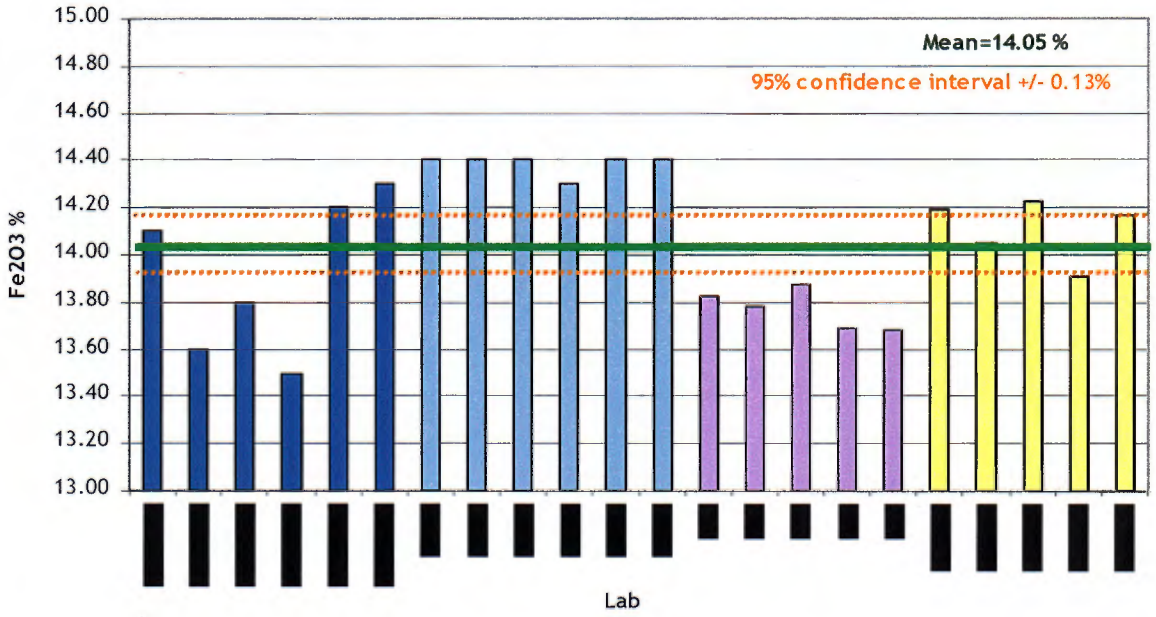
EXS-3A


Mean=38.52%
95% confidence level +/-0.28%
SiO2 %
40.00
39.80
39.60
39.40
39.20
39.00
38.80
38.60
38.40
38.20
38.00
37.80
37.60
37.40
37.20
37.00
Lab

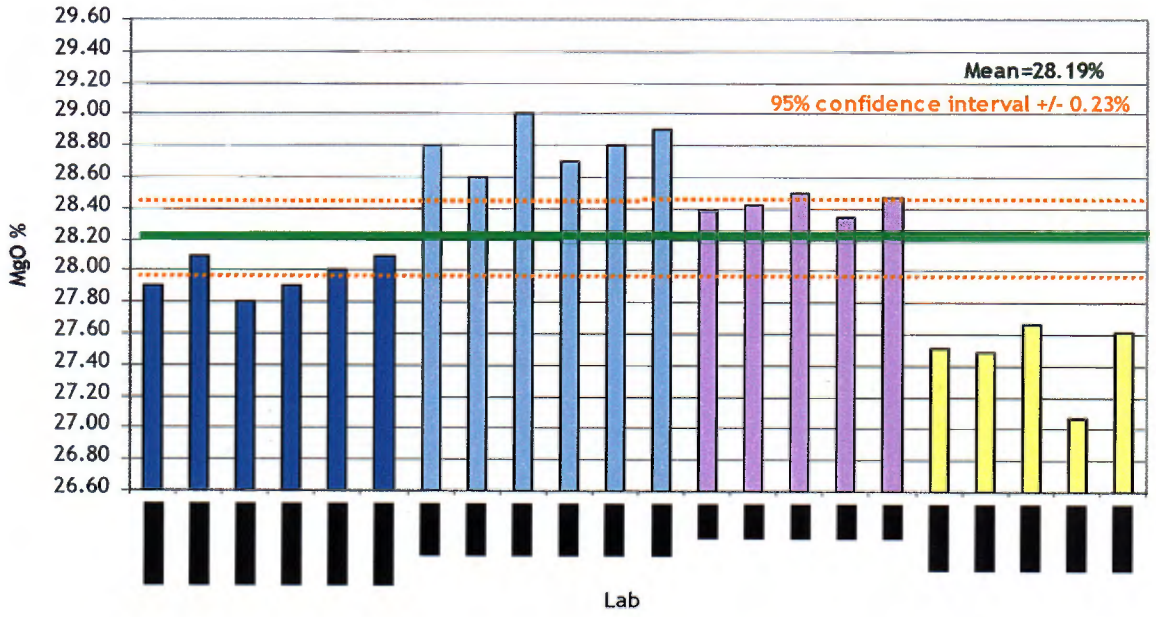
EXS-3A


Mean=4.56%
95% confidence interval +/- 0.05%
Al2O3 %
5.40
5.20
5.00
4.80
4.60
4.40
4.20
4.00
3.80
3.60
3.40
Lakefield
Lakefield
Lakefield
Lakefield
Lakefield
Lakefield
XRAL
XRAL
XRAL
XRAL
XRAL
XRAL
TSL
TSL
TSL
TSL
TSL
Bondar
Bondar
Bondar
Bondar
Bondar
Lab

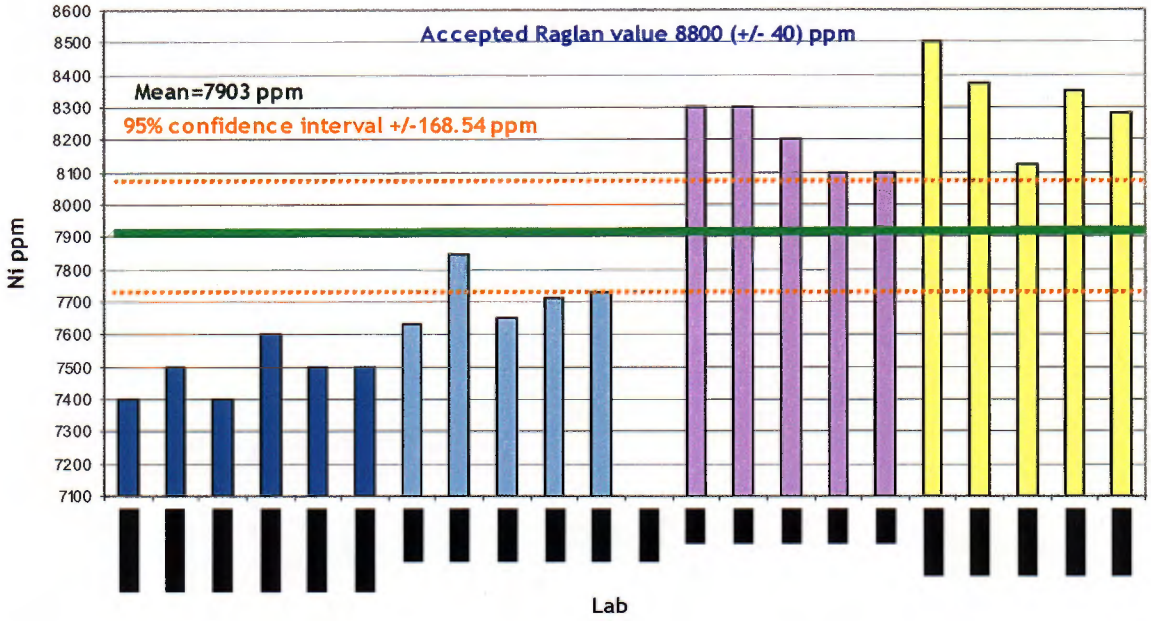
EXS-3A


15.00
14.80
14.60
14.40
14.20
14.00
13.80
13.60
13.40
13.20
13.00
Fe2O3 %
Mean=14.05 %
95% confidence interval +/- 0.13%
Lab

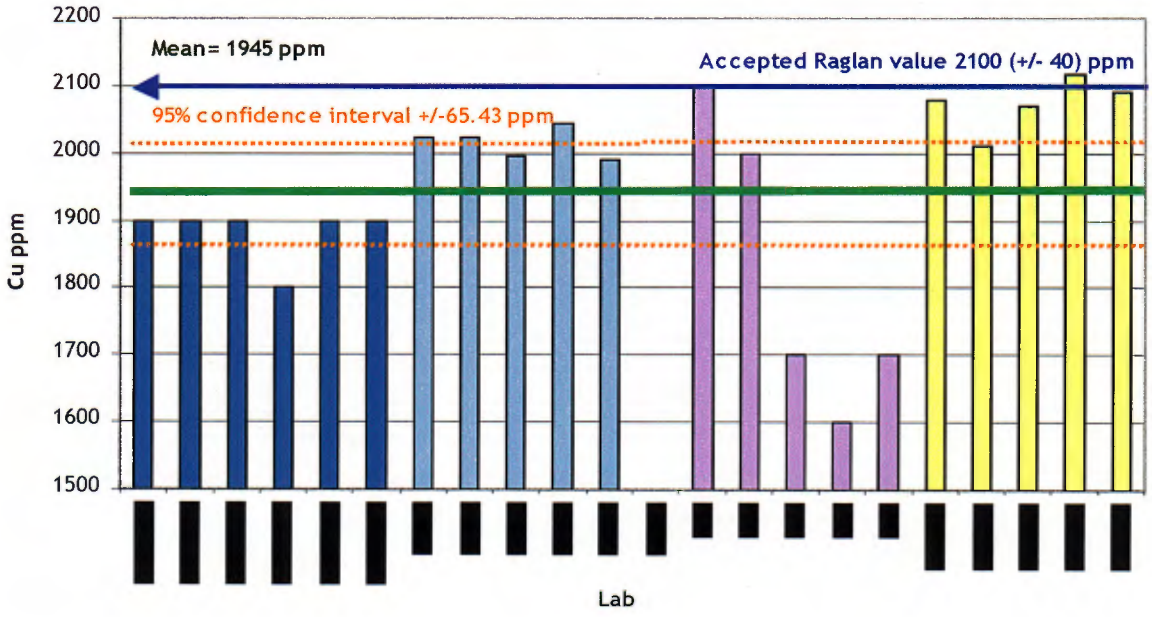
EXS-3A


29.60
29.40
29.20
29.00
28.80
28.60
28.40
28.20
28.00
27.80
27.60
27.40
27.20
27.00
26.80
26.60
MgO %
Mean=28.19%
95% confidence interval +/- 0.23%
Lab

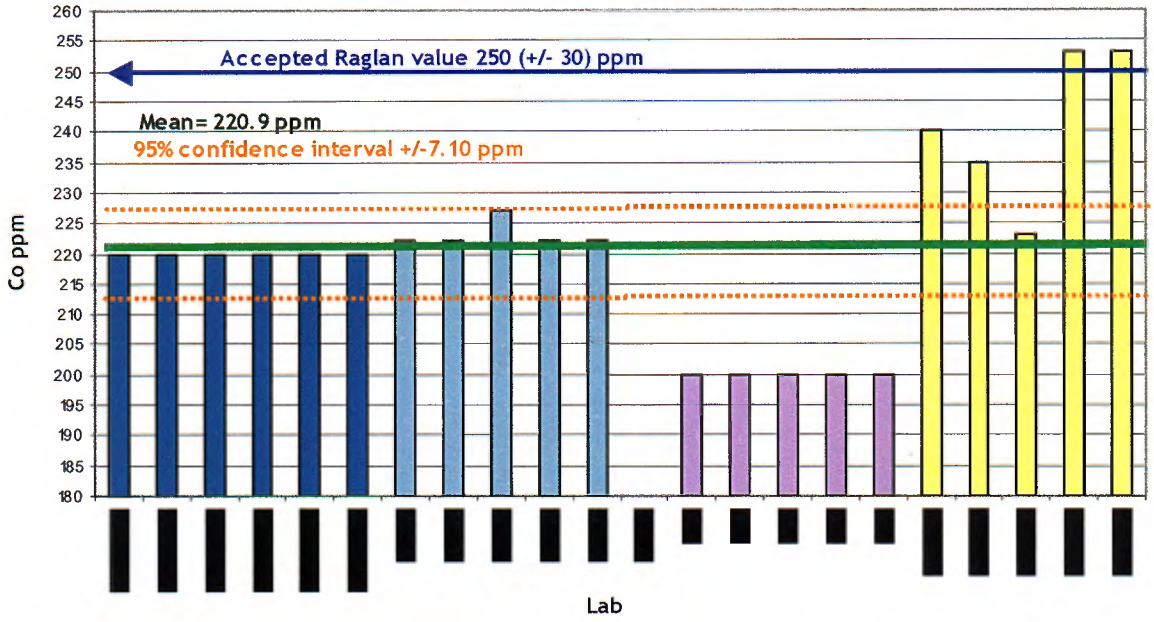
EXS-3A


Accepted Raglan value 8800 (+/- 40) ppm
Mean=7903 ppm
95% confidence interval +/-168.54 ppm
Ni ppm
8600
8500
8400
8300
8200
8100
8000
7900
7800
7700
7600
7500
7400
7300
7200
7100
Lab

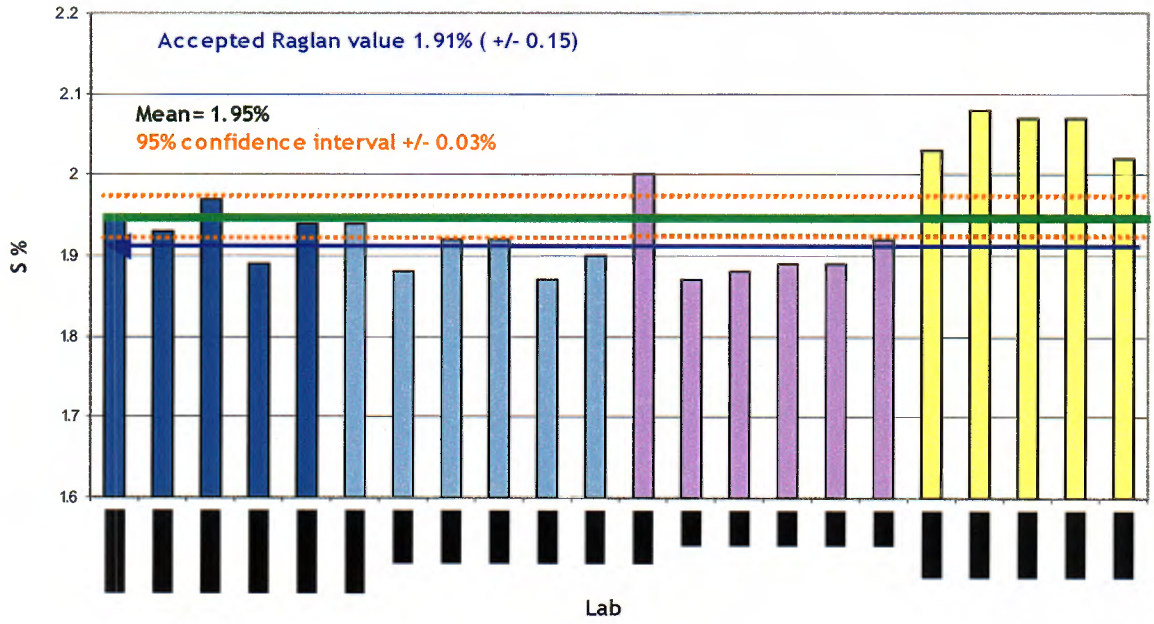
EXS-3A


Mean= 1945 ppm
Accepted Raglan value 2100 (+/- 40) ppm
95% confidence interval +/-65.43 ppm
Cu ppm
2200
2100
2000
1900
1800
1700
1600
1500
Lab

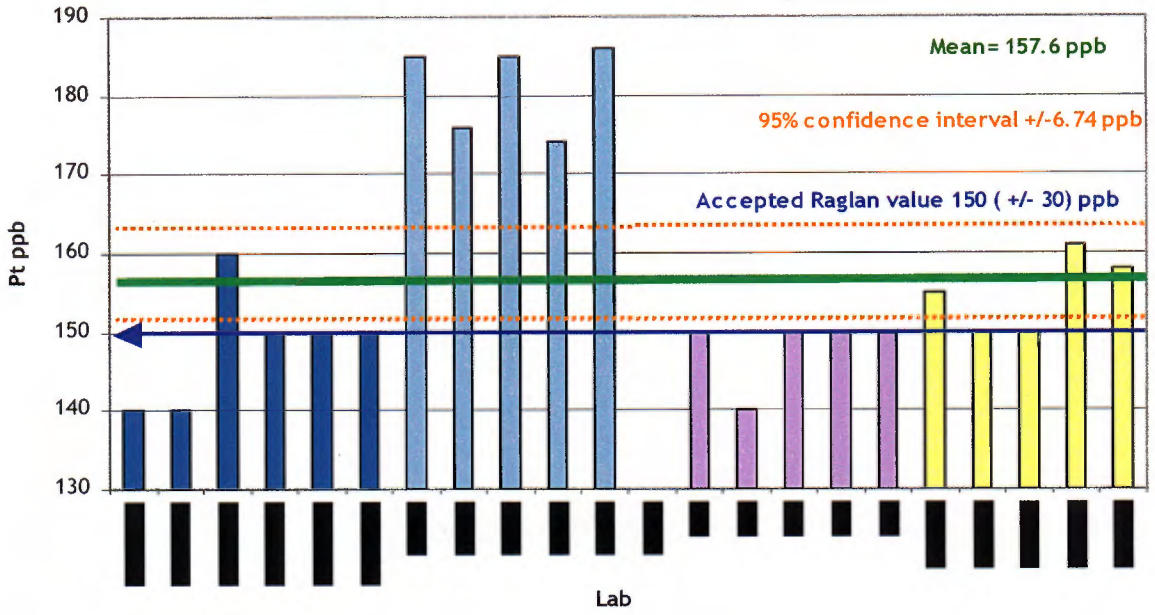
EXS-3A


Accepted Raglan value 250 (+/- 30) ppm
Mean= 220.9 ppm
95% confidence interval +/-7.10 ppm
Co ppm
260
255
250
245
240
235
230
225
220
215
210
205
200
195
190
185
180
Lab

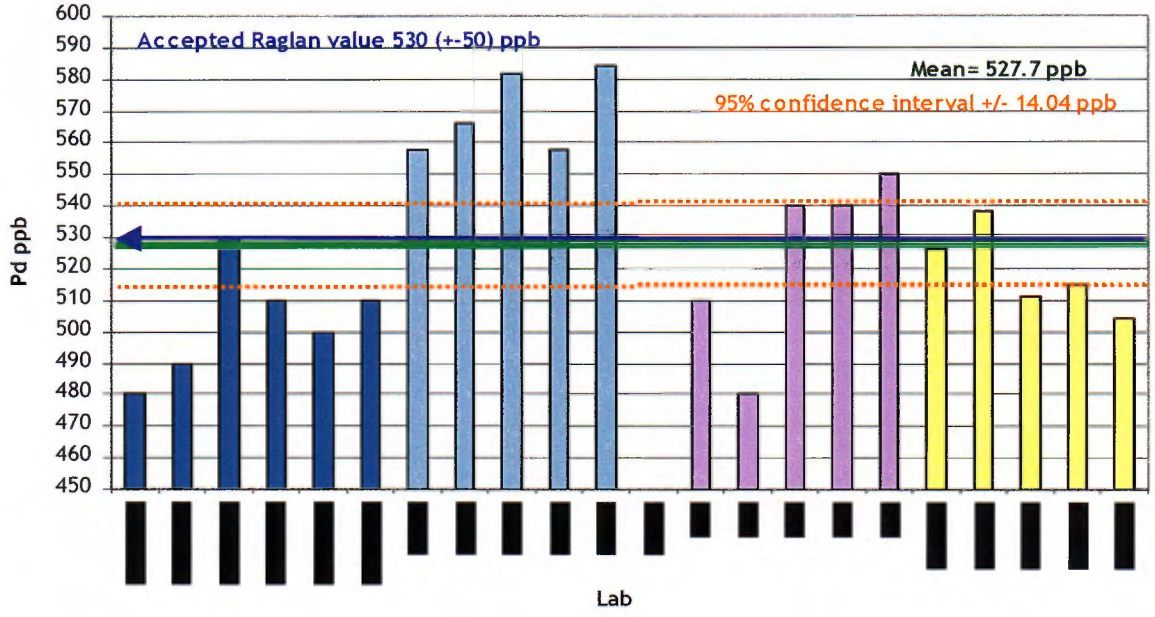
EXS-3A


Accepted Raglan value 1.91% (+/- 0.15)
Mean= 1.95%
95% confidence interval +/- 0.03%
S %
2.2
2.1
2
1.9
1.8
1.7
1.6
Lab

EXS-3A


190
180
170
160
150
140
130
Pt ppb
Mean= 157.6 ppb
95% confidence interval +/-6.74 ppb
Accepted Raglan value 150 (+/- 30) ppb
Lab

EXS-3A


600
590
580
570
560
550
540
530
520
510
500
490
480
470
460
450
Pd ppb
Accepted Raglan value 530 (+-50) ppb
Mean= 527.7 ppb
95% confidence interval +/- 14.04 ppb
Lab

APPENDIX B

ROCKWELL VENTURES INC. - DRILLING PROGRAM REPORT, 2002

ROCKWELL VENTURES INC.

SUMMARY REPORT

on the

HAUT PLATEAU NI-CU-CO PROJECT

March – April 2002

Diamond Drilling Program

Haut Plateau de la Manicouagan

Quebec

CANADA

Latitude 51.666 N
Longitude 67.328 E

By

C.M. Rebagliati, P. Eng.
R.J. Haslinger, P.Eng.

April 30, 2002

TABLE OF CONTENTS

Page

1.0 SUMMARY 1
2.0 INTRODUCTION AND TERMS OF REFFERENCE 2
3.0 PROPERTY DESCRIPTION AND LOCATION 3
3.1 Property Option Summary 4
4.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY 4
5.0 HISTORY 5
6.0 GEOLOGICAL SETTING 6
6.1 Regional Geology 6
7.0 PROPERTY GEOLOGY 7
8.0 MAGMATIC NI-CU-CO DEPOSITS 8
9.0 MINERALIZATION 8
10.0 EXPLORATION 9
10.1 Forgues 9
10.2 PYC 10
10.3 Barre De Fer 10
11.0 DRILLING 11
12.0 SAMPLING METHOD AND APPROACH 12
12.1 Sample Preparation and Security 12
13.0 DATA CORROBORATION 13
14.0 DATA VERIFICATION AND DATA SECURITY 13
15.0 MINERAL PROCESSING AND METALLURGICAL TESTING 14
16.0 MINERAL RESOURCE AND MINERAL RESERVE ESTIMATES 14
17.0 BARRE DE FER ZONE; GEOLOGY, STRUCTURE AND MINERALIZATION 14
17.1 Geology 15
17.2 Mineralization 17
17.3 Disseminated Sulphide Zones 18
17.4 Pegmatite-Vein Relationships 19
17.5 Sulphide Source 20
18.0 PYC ZONE MINERALIZATION 20
19.0 INTERPRETATION AND CONCLUSIONS 21
20.0 RECOMMENDATIONS 21
21.0 REFERENCES 22
21.1 Regional Geological Map Reference 23

LIST OF TABLES

Table 1	Summary of Drill Assay Results	1
Table 2	Significant Falconbridge Drill Core Results	10
Table 3	Significant Rockwell Ventures Inc. Drill Core Results	11
Table 4	Drill Hole Data	12
Table 5	Christopher's Check Samples	13

FIGURES

Figures 1.0 to 11.00 (inclusive) ..... Back of Report

PLATES

Plates 1 to 35 (inclusive) ..... Back of Report

APPENDICIES

Appendix 1	List of Mineral Claims	Back of Report
Appendix 2	Haut Plateau Drill Core Sampling, Analytical and QAQC	Back of Report
Appendix 3	2001 and 2002 Sample Intervals and Analyses	Back of Report
Appendix 4	Nickel Concentration Back Calculated to 100% Sulphide	Back of Report

1.0 SUMMARY

In October 2001, Hunter Dickinson Group Inc. (HDGI) entered into an agreement with Falconbridge Limited (Falconbridge) to earn a participating joint venture interest in the Haut Plateau de la Manicouagan Ni-Cu-Co properties (Haut Plateau). HDGI, in return, assigned its rights and obligations to Rockwell Ventures Inc.

In 1992, detailed compilation by Falconbridge of work over the Haut Plateau de la Manicouagan area, identified a regionally distinct gravity anomaly and an extensive cluster of anomalous nickel in lake sediment samples. Airborne geophysical, reconnaissance geological mapping and lithogeochemical sampling programs, conducted from 1993 to 1998, confirmed the magmatic Ni-Cu-Co potential of the Haut Plateau, and provided justification for a 3146 line-km helicopter-borne magnetic and time domain electromagnetic (THEM) survey. In 1999, follow-up prospecting, VLF-EM, BeepMat, and hand trenching resulted in discovery of three new Ni-Cu-Co occurrences. An 83 line-km grid covering PYC-Barre de Fer was surveyed by magnetometer and UTEM to define drill targets. In 2001, Falconbridge drilled seven BQ holes totaling 1310 m. In 2002, Rockwell Ventures Inc. drilled 7 BQ holes and extended one of Falconbridge's holes for a total of 1771 m.

The combined 2001 and 2002 drilling programs have confirmed strong grades in the massive sulphide breccia veins and continuity of the mineralization in brittle fracture zones over a 200 m strike length. Additionally, broad zones of disseminated Ni-Cu-Co mineralization were intersected. The massive sulphide veins and disseminated mineralization are thought to be genetically related. Nickel grades of the disseminated sulphide in the norite are similar to that in the veins when back calculated to 100% sulphides, indicating that the mineralized norite is the probable magmatic source of the massive sulphide veins. Drill hole assay results are summarized in Table 1.

Table 1
Summary of Drill Assay Results

Drill Hole Number	""	From (metres)	To (metres)	Intercept (metres)	Intercept (feet)	3BM %	Ni %	Cu %	Co %	3PM ppb	Pt ppb	Pd ppb	Au ppb
151-01		19.00	24.80	5.80	19.0	1.47	1.12	0.27	0.09	51	6	25	21
151-01	Incl.	19.85	22.30	2.45	8.0	2.19	1.82	0.23	0.14	55	5	40	10
151-01		94.60	100.40	5.80	19.0	2.17	1.47	0.58	0.12	132	2	72	58
151-01	Incl.	95.40	97.90	2.50	8.2	3.73	2.39	1.14	0.20	258	2	132	124
151-02		65.55	74.95	9.40	30.8	2.20	1.43	0.66	0.11	121	26	73	22
151-02	Incl.	65.55	68.40	2.85	9.4	3.23	2.02	1.05	0.16	135	82	37	17
151-03		29.60	44.90	15.30	50.2	0.48	0.28	0.14	0.06	25	4	12	8
151-04		175.80	204.40	28.60	93.8	0.90	0.56	0.30	0.04	35	11	15	9
151-05		367.50	371.75	4.25	13.9	0.45	0.30	0.13	0.03				
151-05		386.90	394.90	8.00	26.2	0.34	0.22	0.09	0.02				
151-05		400.40	444.70	44.30	145.3	0.52	0.34	0.15	0.03				
151-06		189.70	200.10	10.40	34.1	1.93	1.32	0.51	0.10	64	19	29	15
2001		11.45	13.10	1.65	5.4	1.27	1.00	0.19	0.08				
2001		153.60	157.10	3.50	11.5	1.85	1.21	0.54	0.10				
2002		37.40	43.60	6.20	20.3	2.26	1.71	0.42	0.12	12	2	8	2

Drill Hole Number	""	From (metres)	To (metres)	Intercept (metres)	Intercept (feet)	3BM %	Ni %	Cu %	Co %	3PM ppb	Pt ppb	Pd ppb	Au ppb
2002	Incl.	39.45	43.60	4.15	13.6	3.05	2.34	0.54	0.17	18	3	12	3
2002	Incl.	40.30	43.60	3.30	10.8	3.16	2.68	0.29	0.19	23	4	15	4
2002		46.00	53.25	7.25	23.8	1.09	0.73	0.31	0.05				
2002	Incl.	46.00	50.50	4.50	14.8	1.38	0.96	0.35	0.07				
2002		98.90	103.90	5.00	16.4	1.29	0.90	0.33	0.07				
2002		141.65	149.05	7.40	24.3	2.95	1.71	1.11	0.12	41	2	25	14
2002	Incl.	141.65	146.00	4.35	14.3	2.18	1.40	0.68	0.10	49	1	28	20
2002	Incl.	143.15	146.00	2.85	9.4	2.62	1.95	0.53	0.14	75	2	43	30
2002	Incl.	146.70	149.05	2.35	7.7	5.15	2.76	2.19	0.20	36	4	27	6
2003		86.60	88.60	2.00	6.6	3.30	2.46	0.66	0.18	57	2	38	18
2004		86.00	87.95	1.95	6.4	3.27	2.48	0.62	0.17	76	3	47	26
2004		110.65	114.10	3.45	11.3	3.04	2.46	0.41	0.17	44	8	26	10
2004		144.80	147.35	2.55	8.4	1.73	1.00	0.66	0.08				
2004	Incl.	144.80	146.30	1.50	4.9	1.76	1.48	0.17	0.11				
2004	Incl.	145.90	147.35	1.45	4.8	1.80	0.74	1.00	0.06				
2004		165.50	171.45	5.95	19.5	3.79	2.74	0.86	0.20	113	10	76	27
2005		200.70	205.75	5.05	16.6	0.91	0.60	0.27	0.04				
2005		219.85	226.40	6.55	21.5	0.37	0.24	0.11	0.02				
2006		31.15	45.50	14.35	47.1	0.93	0.59	0.30	0.04				
2006	Incl.	31.15	39.70	8.55	28.1	1.06	0.70	0.31	0.05				
2006	Incl.	31.95	32.80	0.85	2.8	2.83	1.57	1.16	0.11				
2006	Incl.	35.50	37.90	2.40	7.9	1.27	1.05	0.14	0.08				
2006		70.20	72.60	2.40	7.9	1.29	1.02	0.20	0.07				

3BM=Ni+Cu+Co (Base Metals)
3PM=Pt+Pd+Au (Precious Metals)

The Haut Plateau de la Manicouagan Project has excellent exploration potential for additional discoveries of significant Ni-Cu-Co deposits. The project area has excellent potential because large magma systems with repeated pulses of mafic/ultramafic magma are associated with major crustal-scale faults that penetrate a thick sequence of sulphide-bearing metasediments. The Voisey's Bay deposit in Newfoundland, occurring in the Nain Province (Figure 4.0), has a similar geological setting.

The writers recommend further success contingent, staged exploration of the Haut Plateau Project area, with geophysical target definition and diamond drilling programs.

2.0 INTRODUCTION AND TERMS OF REFERENCE

This report describes the claim holdings, exploration history, geology, mineralization, mineral resources, and exploration potential of the Haut Plateau property. Recommendations, with appropriate budgets, are made for the exploration of prospective geological and geophysical features on the property and the continued exploration of the Barre de Fer Ni-Cu-Co occurrences.

The report is based upon the writers' knowledge of the Haut Plateau property gained from published and unpublished technical reports and maps, as well as field examinations of the property's geology and the

2001 and 2002 diamond drill core. The writers managed the Barre de Fer Ni-Cu-Co zone drilling program on the Haut Plateau Project and examined all drill core during March and April of 2002.

All reports listed in the references concerning the property have been reviewed and have been used, as referenced, in this report. All units of measure used in this report are metric and monetary amounts are in Canadian dollars, unless otherwise noted.

3.0 PROPERTY DESCRIPTION AND LOCATION (Figures 1.0, 2.0 & 3.0)

The Haut Plateau property, encompassing 82,084 hectares, located on NTS map sheets 22-O/10,11,12 and 14, is centered at approximately latitude 51.666 degrees N and longitude 67.328 degrees E, in the Haut Plateau de la Manicouagan region in the Province of Quebec. The property is approximately 170 km north-northwest of the port of Sept-Iles and 275 km north-northeast of Baie-Comeau on the north shore of the Saint Lawrence River (Figures 1.0 & 2.0). The area is part of the mining district of Cote Nord/Nouveau-Quebec administered from Sept-Iles.

The Haut Plateau property comprises 1,563 minerals claims. These claims comprise 1,526 map designated claims (1,504 hectares), recorded as Haut Plateau de la Manic and Haut Plateau; 6 ground staked claims (95 hectares) recorded as Petit Lac Manicouagan under PN 112; 31 ground staked claims (485 hectares) recorded as Forgues under PN 131. The 1,526 map designated claims have a specific map designate area. Ground staked claims have not been surveyed to determine exact location. The location of these claims is shown in Figures 3.0, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7 and 3.8 with details provided in Appendix 1. The writers have not made a field examination of all of the claim posts and can pass no opinion on the manner of staking, nor can they verify the position of the claims as shown in Figure 3.0. The map designated mineral claims may be kept in good standing by expending $1,200 in each of the first three years, $1,800 in years 4 to 6 and $2,500 in year 7 and beyond and paying a $60.00 renewal fee each time assessment work is recorded. The ground staked mineral claims may be kept in good standing by expending $500 in each of the first three years, $750 in years 4 to 6 and $1,000 in year 7 and beyond and paying a $29 dollar renewal fee each time assessment work is recorded. All claims are in good standing to August of 2002. Permits to authorize exploration geotechnical surveys and drilling are available by application within 30 days.

Occurrences of Ni-Cu-Co discussed in this report are located on the following claims:

Forgues	5196031
PYC	5233399
Barre de Fer	5233441

The writers are not aware of any specific environmental liabilities that affect the mineral claims.

3.1 Property Option Summary

The following summary of option agreements has been provided by Rockwell Ventures Inc. management and has not been independently verified or reviewed by the writers. On October 12, 2001 Hunter Dickinson Group Inc. (HDGI) entered into an agreement with Falconbridge Limited (Falconbridge) in regard to the Haut Plateau de la Manicouagan Property (Haut Plateau) whereby HDGI has the option to earn a 60% participating joint venture interest in the property by incurring exploration expenditures totaling $10,000,000 on or before April 30, 2006. HDGI subsequently assigned all of the rights and obligations of the underlying agreement with Falconbridge to Rockwell Ventures Inc. on November 15, 2001. Falconbridge retains the right and option to convert its 40% interest to a 60% interest (Back-In-Right) by completing and funding a bankable feasibility study and if warranted, arranging and completing debt financing and completion guarantees for development of a mine on the property.

4.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY (Figure 2.0)

Sept-Iles and Port-Cartier, 50 km to the southwest, service the Quebec-Labrador iron ore mining and export industries and are the termini of the Quebec Cartier Mining Company and IOC's railways respectively. Highway Route 389 is an all weather road connecting Baie-Comeau to Fermont to Labrador City. It is paved from Baie-Comeau to the Hydro-Quebec Manic 5 electrical generation plant. At kilometre 390 on Route 389 a 50 km-long gravel road, maintained by Hydro-Quebec, provides access to a QCM railway maintenance camp (Camp Love) on the southwest shore of Petit Lac Manicouagan and to the northern edge of the property approximately 30 km northwest of the Barre de Fer Ni-Cu-Co discovery. The Quebec Cartier Railway, which passes through the project area (Plate 1), is approximately 10 km west of Barre de Fer. Direct access to the project is efficiently provided by helicopter from Sept-Iles or from the terminus of the gravel road at Petit Lac Manicouagan. The communities, roads, railroads and hydroelectric generation plants in the region of the Haut Plateau project currently provide substantial infrastructure required for potential mine development.

The Haut Plateau de la Manicouagan forms a rectangular plateau 80 km long by 50 km wide characterized by a series of rounded summits averaging an altitude of 1000 m (Plate 1). The plateau is characterized by numerous small lakes and is dissected by many linear streams and rivers (Plate 2). Tundra type vegetation characterizes the plateau and taiga type vegetation occurs in the valley bottoms. Precipitation is moderate at approximately 50 cm per annum. Temperatures seasonally range from a high of 30 degrees to a low of –35 degrees. Small ponds, lakes and streams throughout the project area contain ample water to support drilling activities. There are no seasonal restrictions for exploration or mine development.

5.0 HISTORY

The property prior to 1992 had seen very little work related to exploration other than government sponsored regional 250 000 and 50 000 scale geological mapping, lake sediment geochemical sampling and a low-resolution aeromagnetic survey. There is no record of ground within the project lands being previously staked.

In 1992 Falconbridge undertook a detailed compilation of work over the entire Haut Plateau de la Manicouagan area. This compilation indicated that the Haut Plateau de la Manicouagan, relative to the surrounding terrain, was outlined by a regionally distinct gravity anomaly and by an extensive cluster of late sediment samples anomalous in nickel.

In April 1992, a 1000 line-km helicopter airborne EM survey was flown over the central part of the Haut Plateau. Over 160 airborne anomalies were targeted for priority follow-up. From August 1992 to 1998, reconnaissance geological mapping and lithogeochemical sampling by Falconbridge, comprising over 800 km of traverses, was undertaken over the entire Manicouagan intrusive complex and confirmed the potential of the Haut Plateau for hosting magmatic nickel deposits (Thibert, 2001). Falconbridge in 1998-1999 conducted a high-resolution 3146 line-km helicopter-borne magnetic and time domain electromagnetic (THEM) survey. In 1999, follow-up prospecting of the THEM conductors was aided by the use of a VLF EM and a BeepMat. Several trenches were manually excavated and resulted in the discovery of three new Ni-Cu-Co occurrences. In 2000, an 83-line km grid covering the PYC-Barre de Fer occurrences was surveyed by magnetometer and UTEM to establish drill targets.

In April and May 2001, Falconbridge drilled seven BQ core holes totaling 1310 m to test the Forges (one hole 98 m), PYC (one hole) and Barre de Fer (BDF)(five holes) zones.

In October 2001, geophysicist Paul Lortie (2001) conducted an integrated interpretation and conductor prioritization of the five (5) airborne electromagnetic and magnetic surveys, totaling 4,666 line-km, carried out in the Haut Plateau for Falconbridge. He identified 115 anomalies as potential targets with 17 classified as first priority for follow-up.

In October 2001, HDGI optioned the Haut Plateau Project from Falconbridge and in November 2001 assigned their option to Rockwell Ventures Inc.

During March and April 2002, Rockwell Ventures Inc. undertook a diamond drilling program to test the extent and continuity of the Barre de Fer Ni-Cu-Co occurrence. Seven BQ holes, 2001 to 2007 were drilled and Falconbridge's hole 151-05 was extended for a total of 1771 m.

At the time this report was prepared a high-resolution helicopter-borne magnetic and time domain electromagnetic (THEM) survey was in progress under contract to T.H.E.M. Geophysics Ltd.

6.0 GEOLOGICAL SETTING

6.1 Regional Geology (Figure 4.0)

More than 100 Ni-Cu prospects with variable Co and PGE contents occur in the Quebec part of the Grenville Province and in adjacent Labrador (Figure 4.0) (Clark, 1998). These occurrences of Ni-Cu-Co-PGE mineralization are mainly associated with mafic and ultramafic rocks, and anorthositic massifs which have a wide range of ages and occur in various tectonic settings and geochronologic frameworks. Deposits of Ni-Cu in the Grenville Province were mined at Renzy Lake and Edouard Lake during the 1970's.

The massifs are composed mainly of anorthosite, leucotroctolite, leuconorite, and leucogabbronorite, along with subordinate mafic and ultramafic rocks such as troctolite, norite, gabbronorite, pyroxenite, peridotite and dunite. These rocks form part of differentiated mafic-ultramafic intrusions probably originating from multiple injections of magma. Numerous layered or unlayered mafic-ultramafic intrusions occur near the massifs or intrude their marginal zones. Olivine-bearing mafic and ultramafic rocks, located near the base or margins of the massifs most commonly host disseminated and massive Ni-Cu sulphide mineralization. Massive sulphides commonly occur in close proximity to zones of disseminated sulphides and injection or remobilized vein-type mineralization, similar to those in the Voisey's Bay district, may also be present (Clark, 1998).

The most favourable host mafic and ultramafic intrusive rocks include (1) layered and unlayered intrusions associated with anorthosite massifs, (2) massive and differentiated sills and plutons intruded into supracrustal sequences with no evident anorthosite association, and (3) dikes representing feeder conduits to crustal magma chambers. Given that the Voisey's Bay deposit is situated at the junction of a feeder dike and a large mafic intrusion such settings are particularly interesting (Li et al., 2000). In many areas in the Grenville Province Ni-Cu-Co prospects occur in intrusive rocks in close proximity to sulphide-bearing paragneisses (Clark, 1998). Such an association is considered an important factor in the formation of magmatic Ni-Cu-Co deposits (Li et al., 2000). On the Haut Plateau de la Manicouagan there are numerous differentiated gabbroic intrusions of variable dimensions, of which only five exceed 20 square km. Many of these bodies of pyroxenite, perdotite and olivine gabbros of the Manicouagan Igneous Complex have intruded sulphidic paragneiss.

Mafic and ultramafic intrusions are numerous and relatively large in the eastern part of the Grenville Province, indicating that great volumes of mafic magma were generated there. These large mafic bodies and mafic dike swarms are related to the intermittent extensional tectonics that characterized the eastern Grenville and give the area a high Ni-Cu-Co potential.

Magma systems associated with major crustal-scale faults that penetrate thick sections of sulphide-bearing metasediments where there have been repeated pulses of mafic magma are the most favourable. The search for economic deposits of Ni-Cu-Co-PGE should be focused on magmatic settings that allow sulphides to become sufficiently enriched in metals and to accumulate in large volumes. Deposition of sulphides is due to gravitational accumulation and fluid dynamic processes and is most prevalent at the

base and margins of intrusions. Alternately, dynamic magma systems with abundant flow and entry points of magma to magma chambers are favourable exploration targets (Li, et al., 2000)

At approximately 3000 square km, roughly twice the size of the nickel-rich Sudbury Intrusive Complex, the Manicouagan Intrusive Complex provides a large area of favourable geology for Ni-Cu-Co-PGE discoveries.

The Haut Plateau de la Manicouagan is an excellent exploration target for Ni-Cu-Co because a large magma system with repeated pulses of mafic magma are associated with major crustal-scale faults that penetrate thick sections of sulphide-bearing metasediments.

7.0 PROPERTY GEOLOGY (Figures 5.0, 6.0, 6.1, 7.0 & 7.1)

Falconbridge has conducted over 800 line-km of reconnaissance geological traverses over Manicouagan metamorphic complex rocks which underlie the Haut Plateau project area. Detailed geological mapping, ground geophysical surveys, sampling and diamond drilling is restricted to the Forgues (Figures 5.0 and 6.0) and PYC-Barre de Fer (Figures 7.0 and 7.1) areas.

The Manicouagan metamorphic complex, a 50 by 100 kilometre complex within the Grenville tectonic province, is mostly granulitic gabbro, orthogneisses and paragneisses intruded by gabbroic, ultramafic and anorthositic bodies. Regional metamorphism is in the granulite facies with local retogression to the upper amphibolite facies. The best known mineralization is associated with gabbroic intrusions called the Toulnustuc massif and Gabbro East intrusion that host the nickel prospects discovered by Falconbridge.

At the Forgues Ni-Cu-Co prospect, a 40 km^2, oval shaped gabbroic intrusion, the Toulnustuc massif, intrudes basic granulites, metaquartzites and magnetite-graphite paragneisses. The Toulnustuc massif has a distinctive low magnetic signature and is cut by late ultramafic dykes and small plugs that are usually sulphide bearing. Mineralization has been described as net-textured and massive sulphide near shear zones in noritic gabbros, and as disseminations and sulphide veins in basic granulites. Hole 131-1, which tested the Forgues showing, was logged as granulitic gabbro with several $\leq$ 1.05 m massive sulphide zones.

At the PYC-Barre de Fer Ni-Cu-Co prospects, microgranular gabbro called the Gabbro Est intrusion (a 50 km^2 body) has intruded and encompassed large rafts of variably sulphidic basement orthogneisses with minor interbedded paragneiss that display varying degrees of assimilation. These features are interpreted to represent a contact area where sulphur contamination from assimilated gneissic rocks generated a geological setting favourable for the accumulation of large volumes of nickel-bearing massive sulphides. A number of younger, irregular shaped bodies of gabbro, olivine gabbronorite and peridotite, which intrude sulphuric orthogneisses and the Gabbro Est body, may represent sub-magma chambers or magma conduits, a geological setting that was described as the principle host structures of the Voisey Bay Ni-Cu-Co deposits (Evans-Lamswood, et al., 2000).

During the initial field investigation of selected THEM conductors Falconbridge discovered, in outcrop or in shallow hand excavated trenches, Ni-Cu-Co mineralization at the "PYC" and "Barre de Fer" conductors. Initial chip samples collected by Falconbridge were considered to have favourable preliminary results, prompting a grid (Figure 7.0) to be cut and surveyed by UTEM to delineate the trace of THEM conductors on the ground and to accurately position the initial diamond drill holes.

At PYC, hole 151-03 the single exploration hole testing the 1200 m long conductive zone (Figure 7.0), intersected a broad interval of disseminated Ni-Cu-Co mineralization hosted by granulitic gabbro. Similarly, hole 131-01 at the Forgues occurrence intersected disseminated mineralization and narrow massive sulphide zones in granulitic gabbro. At the Barre de Fer mineralized zone four of the five holes, testing a 400 m strike length of the 600 m long pair of closely spaced, parallel UTEM conductors, intersected multiple, significantly mineralized intervals hosted by gabbro, olivine gabbronorite, norite and peridotite. This preliminary drilling program substantiated the prospectivity of the mafic-ultramafic intrusions of the Haut Plateau to host significant deposits of Ni-Cu-Co mineralization. Details of the drill results are given in section 10.0.

8.0 MAGMATIC NI-CU-CO DEPOSITS

Magmatic Ni-Cu-Co mineralization is the principal exploration target at the Haut Plateau de la Manicouagan project.

Worldwide, the most important magmatic deposits occur almost exclusively at the base of their associated mafic and ultramafic igneous bodies which implies that the magmas involved were saturated in sulphide, and carrying excess sulphide at the time of their emplacement. Magmatic deposits are the dominant source of nickel and are variably important by product sources of copper, cobalt, platinum group elements and gold. Important examples are given below.

Major Nickel Deposit Resources

Location	Past + Present Reserves/Resources (million tonnes)	Ni %	Cu %	Co %	PGE gpt
Sudbury, Canada	1548	1.2	1.1	-	1.07
Voisey's Bay, Canada	137	1.2	0.9	0.09	0.10
Jinchuang, China	~500	1.7	1.2	0.05	1.03
Noril'sk, Russia	~ 770	0.8	2.1	-	8.20

9.0 MINERALIZATION

Throughout the Haut Plateau de la Manicouagan, magmatic Ni-Cu-Co mineralization is associated with various mafic and ultramafic units. This mineralization occurs as disseminations, net textured accumulations, massive sulphides, sulphide-dominated breccias and as discordant semi-massive to massive sulphide veins and massive sulphide breccia vein. All of these forms of mineralization occur collectively at the Forgues, PYC and Barre de Fer prospects.

The massive sulphide breccia veins are similar in character to the vein-type footwall deposits found at Sudbury (Figure 10.0) and at Voisey's Bay (Figure 11.0). At Sudbury these veins are hosted by footwall breccias or enclosing gneisses up to 2 km from the contact and may be connected to massive ore bodies at the base of the Sudbury Igneous Complex. The sulphides have intruded along incompetencies produced by the brittle fractures in the wallrock of the intrusive complex.

10.0 EXPLORATION

Exploration by Falconbridge on the Haut Plateau project claim blocks is of high quality and has progressed logically from prospecting and geological mapping of THEM conductors, to confirming significant concentrations of metal by trenching and where warranted, drill testing. The conductors were accurately located by ground EM surveys before selecting drill sites. Numerous THEM conductors remain to be examined (Lortie, 2001), but should follow further drilling of the Forgues, PYC, and Barre de Fer occurrences.

At the Forgues claim block a 37-line km grid was geologically mapped and surveyed by magnetometer, VLF-EM and Horizontal Loop EM. One diamond drill hole, 131-01, totaling 98 m was collared to test a HLEM conductor corresponding to a surface showing yielding strong (see Item 10.1) nickel assays.

At the PYC-Barre de Fer area an 83 line km grid was geologically mapped, and surveyed by magnetometer, VLF-EM and UTEM. One diamond drill hole, 151-03, totaling 80 m was collared to test the PYC mineralized zone. In 2001, Falconbridge drilled five holes, 151-01, -02, -04, -05 and -06, tested the Barre de Fer conductive mineralized zone. This drilling was followed in 2002 by Rockwell Ventures Inc. drilling seven holes (2001 to 2007) and extending Falconbridge hole 151-05.

10.1 Forgues (Figures 6.0 & 6.1)

At the Forgues prospect a microgranular, granulitic gabbro hosts massive sulphides associated with a 400 m long conductor carrying appreciable concentrations of Ni, Cu and Co. Chip samples collected by Falconbridge geologists from hand excavated trenches (Figures 6.0 & 6.1) are summarized as follows:

Trench 1 1.87% Ni, 0.07% Cu, 0.15% Co over 0.15 m
Trench 6 0.68% Ni, 0.50% Cu, 0.16% Co over 5.1 m
Trench 7 0.65% Ni, 0.34% Cu, 0.16% Co over 1.6 m
Trench 12 0.70% Ni, 0.41% Cu, 0.17% Co over 7.55 m

Diamond drill hole 131-01, logged and sampled by Falconbridge geologists, positioned to drill beneath trenches 6 and 12, intersected the following intervals of massive sulphide mineralization enclosed within and separated by granulitic gabbro:

DDH 131-01
59.10 - 60.15 m = 1.05 m 5814 ppm Ni, 812 ppm Cu, 1184 ppm Co
61.35 – 62.05 m = 0.69 m 5532 ppm Ni, 2812 ppm Cu, 1130 ppm Co

63.95 – 64.35 m = 0.39 m 8302 ppm Ni, 1716 ppm Cu, 1606 ppm Co
64.85 – 65.35 m = 0.50 m 5824 ppm Ni, 3409 ppm Cu, 1170 ppm Co

10.2 PYC (Figure 7.0)

At the PYC prospect, a grab sample of outcropping sulphide bearing gabbro with an associated 1400 m long conductor ran 0.59% Ni and 0.93% Cu (Figure 7.0). Diamond drill hole 151-03, logged and sampled by Falconbridge, targeted at the granulitic gabbro, intersected a 15.3 m interval of disseminated to semi-massive sulphide mineralization from 29.6 to 44.9 m grading 2762 ppm Ni, 1420 ppm Cu and 626 ppm Co.

10.3 Barre De Fer (Figures 7.0, 7.1, 7.2, 7.3 & 7.4)

At the Barre de Fer prospect, massive sulphide breccia veins containing many mafic to ultramafic clasts are hosted by a late composite gabbro-olivine gabbro-gabbronorite-norite-peridotite intrusion that coincides with an 800 m long THEM conductor (Figures 7.0 & 7.1). Three grab samples from the discovery trench averaged 1.67% Ni, 1.04% Cu and 0.17% Co.

Four of the five holes drilled by Falconbridge in 2001 intersected the following intervals of significant mineralization:

Table 2
Significant Falconbridge Drill Core Results

Drill Hole #		From (metres)	To (metres)	Intercept (metres)	Intercept (feet)	Cu ppm	Ni ppm	Co ppm
151-01		19.00	24.80	5.80	19.0	2,719	11,166	846
151-01	Incl.	19.85	22.30	2.45	8.0	2,297	18,207	1,349
151-01		94.60	100.40	5.90	19.4	5,770	15,604	1,207
151-01	Incl.	95.40	97.90	2.50	8.2	11,423	26,344	2,003
151-02		65.55	74.95	9.40	30.8	6,627	14,819	1,103
151-02	Incl.	65.55	68.40	2.85	9.4	10,536	21,372	1,564
151-03		29.60	44.90	15.30	50.2	1,420	2,762	626
151-04		175.80	204.40	28.60	93.8	2,437	5,586	355
151-05		48.50	51.40	0.70	2.3	930	3,391	267
151-06		189.70	200.10	10.40	34.1	5,106	13,228	947

Collectively, these holes demonstrated that the Barre de Fer zone comprises several intervals of Ni-Cu-Co mineralization with potential continuity over 200 m drill tested strike and dip lengths. Additional holes were required to define the configuration and continuity of the individual mineralized zones. Six hundred metres, of the 800 m long conductor, remain untested.

Six of seven holes drilled by Rockwell Ventures Inc. intersected the following intervals of significant mineralization.

Table 3
Rockwell Ventures Inc.
Significant Drill Core Results

Drill Hole		From (metres)	To (metres)	Intercept (metres)	Intercept (feet)	Ni%	Cu%	Co%
2001		11.45	13.10	1.65	5.4	1.00	0.19	0.08
2001		153.60	157.10	3.50	11.5	1.21	0.54	0.10
2002		39.45	43.60	4.15	13.6	2.34	0.54	0.17
2002		46.00	50.50	4.50	14.8	0.96	0.35	0.07
2002		141.65	149.05	7.40	24.3	1.71	1.11	0.12
2002	Incl.	146.70	149.05	2.35	7.7	2.76	2.19	0.20
2003		86.60	88.60	2.00	6.6	2.46	0.66	0.18
2004		86.00	87.95	1.95	6.4	2.48	0.62	0.17
2004		110.65	114.10	3.45	11.3	2.46	0.41	0.17
2004		144.80	147.35	2.55	8.4	1.00	0.66	0.08
2004		165.50	171.45	5.95	19.5	2.74	0.86	0.20
2005		200.70	205.75	5.05	16.6	0.60	0.27	0.04
2005		219.85	226.40	6.55	21.5	0.24	0.11	0.02
2006		31.15	45.50	14.35	47.1	0.59	0.30	0.04
2006	Incl.	35.50	37.90	2.40	7.9	1.05	0.14	0.08
2006		70.20	72.60	2.40	7.9	1.02	0.20	0.07
R 151-05		367.50	417.55	29.40	96.5	0.28	0.12	0.03
2007	No significant intersections							
R 151-05 is an extension of Falconbridge hole 151-05.								

Holes 2001 to 2007 increased the hole density in the area of the Falconbridge drilling and established that there are multiple massive sulphide breccia veins occupying four or more zones of brittle fracturing.

11.0 DRILLING

In 2001, Falconbridge contracted Bradley Bros. Ltd. to use a helicopter mobile drill with BQ (3.65 cm) coring capacity. Productivity rates were adequate and core recoveries were good. Seven BQ diamond drill holes totaling 1310 m were completed with holes summarized in Table 3.

Falconbridge's drill hole spacing along strike and down dip on the Barre de Fer sulphide zone were not of sufficient density to determine the zone's continuity nor accurately measure the true thickness of the mineralized intervals.

During March and April 2002, Rockwell Ventures Inc. completed a 1771 m BQ diamond drilling program to establish the character, tenor, strike, dip and continuity along strike and downdip of the massive sulphide breccia veins encountered by Falconbridge in 2001.

Table 4
Drill Hole Data
Rockwell Ventures Inc. 2002 Drilling Campaign

Hole	Zone	Easting	Northing	Elevation	Azimuth	Dip	Length (m)
2001	Barre De Fer	614823.2	5722601.8	919.0	231°	-45°	198
2002	Barre De Fer	614850.7	5722557.3	923.5	234°	-74°	186
2003	Barre De Fer	614855.9	5722496.6	925.4	231°	-45°	129
2004	Barre De Fer	614881.4	5722592.4	918.4	231°	-69°	263
151-05 ex	Barre De Fer	614922.5	5722680.8	920.6	231°	-70°	293
2005	Barre De Fer	614826.7	5722619.1	932.0	231°	-70°	302
2006	Barre De Fer	614847.1	5722671.1	919.4	231°	-45°	203
2007	Barre De Fer	614807.8	5722691.5	921.0	231°	-45°	197
						Total	**1771**

Falconbridge Ltd. 2001 Drilling Campaign

Hole	Zone	UTM (metres)		Azimuth	Inclination	Length (m)
		East	North			
151-01	Barre de Fer	614859	5722490	231°	-70°	200
151-02	Barre de Fer	614848	5722606	231°	-70°	164
151-03	PYC	613245	5721734	231°	-50°	80
151-04	Barre de Fer	614936	5722548	231°	-70°	287
151-05	Barre de Fer	614922	5722681	231°	-70°	180
151-06	Barre de Fer	614853	5722715	231°	-70°	301
131-1	Forgues	598225	5720007	270°	-50°	98
					Total	**1310**

12.0 SAMPLING METHOD AND APPROACH

During the 2001 and 2002 diamond drilling campaign core samples collected for analysis were selected according to changes in host rock lithology and by intensity of sulphide content. Sample lengths ranged from 0.1m to 2.2 m, most samples did not exceed 1.0 m. In 2001, half core was collected by using either a diamond saw or a mechanical wedge splitter. In 2002, all samples were cut by diamond saw.

Core recoveries were good and as a result sampled intervals are expected to adequately represent the tenor of the mineralization.

12.1 Sample Preparation And Security

In 2002, BQ (3.64 cm) diameter core was transported by helicopter from the drill rig to Rockwell's secure logging facility (Plate 3) where samples from geologically (Plate 4) defined intervals were taken by sawing the drill core in half (Plate 5). The cut samples were transported by Rockwell staff to Baie Comeau, Québec and then shipped by commercial coach to ALS Chimitec Laboratory, Val d'Or, Québec for drying, crushing, pulverization and analysis. All samples were analyzed for nickel (Ni), copper (Cu) and cobalt (Co), by multi-acid digestion with an Atomic Absorption Spectroscopy (AAS) finish and results were reported in percent.

In 2001, drill core samples taken from the property were collected by Falconbridge geologists and sent by airfreight to ITS-Chimitec-Bondar Clegg Laboratory in Val d'Or, Quebec. Samples were crushed and

pulverized to < 75 microns. Atomic Absorption methods were used for Ni, Cu and Co and pyroanalysis-DCP for Pt, Pd and Au.

Remaining core from the 2001 and 2002 programs is stacked at the drill camp under observation of a watchman except for the more highly mineralized intervals that are stored in Falconbridge's office/warehouse facility in Laval, Quebec. Sample pulps have been retained.

13.0 DATA CORROBORATION

In 2001, Christopher (Christopher, P., 2001) sampled or resampled the following core intervals to substantiate results obtained by Falconbridge. Sample assays and comparisons are as follows (Table 5):

Table 5
Christopher's Check Samples

			Christopher's Results			Falconbridge Results		
			%			%*		
Sample #	Hole	Interval	Ni	Cu	Co	Ni	Cu	Co
81301	151-1	89 – 89.8 m	0.07	0.01	0.01	N/A	N/A	N/A
81302	151-1	96.8 – 97.9 m	2.44	1.51	0.21	2.78	1.67	0.21
81303	151-1	87.25 – 88 m	0.07	0.01	0.01	N/A	N/A	N/A
81304	151-1	19.85 – 21 m	1.51	0.22	0.13	1.65	0.34	0.12
81305	151-1	21 – 22.3 m	1.66	0.15	0.15	1.97	0.13	0.15
NA= not applicable, core not previously split or assayed								
81301 – gabbroic rock with 1-2% Po, core sawed in half								
81302 – massive sulphide consisting of Po, Cpy, Pentlandite, previously sawed core quartered.								
81303 – similar to 31301								
81304 – semi-massive sulphide with mainly Po and Pentlandite previously sawed core mechanically quartered								
81305 – similar to 81304, also mechanically quartered								

*ppm converted to percentage

14.0 DATA VERIFICATION AND DATA SECURITY

Data verification for the Haut Plateau Property was initiated by HDGI geologists, Mark Rebagliati, P.Eng. and David S. Jennings, Ph.D during a field examination of the property in June 2001. They examined Falconbridge drill core at the Haut Plateau project camp. A watchman is stationed at the camp to maintain security of drill core. Strongly mineralized sections of diamond drill core have been sawn in half with part of the core analyzed for base and precious metals. Several boxes containing stronger mineralization were moved to the Falconbridge office in Laval, Quebec for security, mineralogical studies, and display.

Christopher collected five samples of split core from hole 151-1 drilled in the Barre de Fer zone. His samples are summarized in Table 5 with the certificate of analysis presented in Appendix 2. Christopher quartered or halved remaining core to leave material for further checking and verification.

Previous work was conducted under the supervision of Falconbridge Limited personnel that have professional training and certification. Consultants were liberally used by Falconbridge to provide expert opinions on survey interpretation (McKeown, 2001; Vaughan, 1999; Allard, 1999; Osmond 2001) and the geological setting (Peloquin, 2001). After an examination of the property and drill core and a review of check samples and Falconbridge reports on the property, the writers are of the opinion that the available data is of good quality, and that sampling and data collection has been conducted in a professional manner.

As part of Rockwell's analytical quality control program, standard reference samples provided by Falconbridge were inserted with the regular samples and represent 5% of the total samples analyzed. This in addition to the laboratory's quality control work.

A reasonable level of confidence can be attributed to the analytical results provided by ALS Chimitec on the 2002 Haut Plateau drill program of Rockwell Ventures Inc. (RCW) based on the analysis of standards. Rockwell diamond drill holes 2001 through 2007, and 151-05ext were logged and mineralized sections of the core sampled by RCW and Falconbridge personnel at the project site. The core samples, and a number of geochemical standards of known concentration, were shipped to the ALS Chimitec laboratory at Val-d'Or Québec for preparation, nickel, copper and cobalt analysis. The base metal analytical results provided by Chimitec for the included standards were compared with the expected values. Overall, the results of the standards are good, lending credence to the accuracy of the regular assay results. QAQC specifications are contained in Appendix 2 and sample intervals and analyses are contained in Appendix 3.

15.0 MINERAL PROCESSING AND METALLURGICAL TESTING

Neither mineral processing nor metallurgical testing has been undertaken.

16.0 MINERAL RESOURCE AND MINERAL RESERVE ESTIMATES

Insufficient diamond drilling has been completed to warrant resource estimation.

17.0 BARRE DE FER ZONE: GEOLOGY, STRUCTURE AND MINERALIZATION

The objective of the Rockwell Ventures Ltd.'s 2002 diamond drilling program was to assess the economic potential of the Barre de Fer Ni-Cu-Co occurrence by determining the character, tenor, strike, dip and continuity along strike and down dip of the massive sulphide breccia "veins" encountered by Falconbridge in 2001. To achieve this objective holes were drilled on cross sections spaced at 50 m intervals along strike and drilled at a common azimuth. Holes were positioned to fully utilize the five holes previously drilled by Falconbridge.

17.1 Geology

Within the area drilled six principle lithological units are recognized. Some units, primarily the olivine gabbronorite, are comprised of subunits. Relative age and crosscutting relationships are tentative. The lack of chilled margins at mutual olivine gabbronorite contacts is compatible with a layered or zone intrusion. At norite-olivine gabbronorite contacts persistently chilled norite margins indicate its age is younger. The units are described below from oldest to youngest.

Paragneiss (M4)

5% biotite
30% quartz
65% feldspar
5% plagioclase porphyroblasts
1% pyrite
trace chalcopyrite

In this fine to medium-grained pinkish gray unit metamorphic banding is accentuated by increased biotite content (Plate 7). Contacts with mafic intrusive units are commonly partially assimulated.

Olivine Gabbronorite (I3K)

This rock is comprised of four sub units formed within a complex multi-phase intrusion of olivine gabbronorite. Contact relationships have not been conclusively determined.

(I3K-1)
5% olivine
25% orthopyroxene/clinopyroxene
15% amphibole
3-8% biotite
50% purplish plagioclase
3-5% magnetite

This sub unit is strongly magnetic, intergranular, medium to coarse-grained and has a gray-green groundmass with a black spotted appearance (Plate 8). Clusters of amphibole laths cause the black spots.

(I3K-2)
1-5% olivine
50-65% orthopyroxene/clinopyroxene
5% amphibole
5-10% biotite
30% plagioclase
1-4% magnetite

This sub unit is moderately to strongly magnetic Ti-rich, intergranular, medium gray/green and fine to medium-grained (Plate 9). This sub unit has a chilled margin when in contact with sub unit I3K-1.

(I3K-3)
1-5% olivine
25-45% orthopyroxene/clinopyroxene
5% amphibole
3-10% biotite
45% plagioclase

This sub unit is non to weakly magnetic, intergranular, medium gray to bluish and medium to coarse-grained (Plate 10). In hole 2004 this unit contains an olivine-rich, 30 cm interval interpreted to be layering. This sub unit has a chilled margin when in contact with sub unit I3K-1.

(I3K-4)
1-5% olivine
55-60% orthopyroxene/clinopyroxene
5% amphibole
3-10% biotite
25-35% plagioclase

This sub unit is weakly magnetic, intergranular, gray to creamy green and medium to coarse-grained (Plate 11). The creamy green color is interpreted to be the product of ouralization, alteration to an assemblage of amphibole, chlorite +/- carbonate.

Sub units I3K-2,-3,-4 rarely contain disseminated sulphides (pyrrhotite/chalcopyrite, the exception being at the bottom of hole 151-05ex. These three sub units host sub metre thick intervals of amphibole-rich (20-40%), equigranular, medium to coarse-grained diorite. This dioritic rock is most prevalent in general proximity the massive sulphide breccia veins.

Peridotite (I4I)

40% olivine
7-15% pyroxene
2-3% biotite
5% magnetite
40% serpentinized

This unit is strongly magnetic, coarse-grained and has a dark green color imparted by strong serpentinization that generated pervasive chlorite, muscovite talc and carbonate veining (Plate 12). Foliation is moderate (Plate 13). Magmatic disseminated sulphides are absent. Minor disseminated and veinlet sulphides occur only immediately adjacent to massive sulphide breccia veins.

Norite (I3J)
1-3% olivine
35-45% orthopyroxene
3-10% biotite
35-45% plagioclase

This unit is non magnetic, fine grained, intergranular and beige and bluish in color (Plate 14). It is weakly foliated near its contacts with olivine gabbronorite and adjacent to massive sulphide breccia veins. Distinct contacts, without any sign of alteration, between very similar units with only subtle visual differences may be indicative of layering. Xenoliths of paragneiss are variably present. Broad intervals of disseminated magmatic pyrrhotite>chalcopyrite, up to 100 m in core length, contain in the order of 2% sulphide that increases to 35% in net textured intervals over short <3 m intervals.

Pegmatite Dykes

Pegmatite dykes are generally less than four metres thick but range up to 43 m. They fall into two general classifications, tonolitic and granitic depending on the quantity of potassium feldspar present. The tonalitic pegmatites are the most prevalent. In detail there is a continuum from one to the other. Some of the tonolitic pegmatites, particularly those exceeding a metre in thickness, have a 5 to 20 cm outer contact zone rich in potassium feldspar (Plate 15). Biotite, hornblende (Plate 16) and less commonly garnet (Plate 17) are accessory minerals to the dominant quartz-plagioclase-orthoclase assemblage. Quartz and feldspar grains commonly range up to 3 cm in length, some are considerably larger. Graphic intergrowths of quartz and feldspar phenocrysts are present in most dykes (Plates 18 & 19). At some dike contacts garnets have formed in the immediately adjacent wall rock (Plate 20). When xenoliths of wall rock are present they are generally garnetiferous.

In some dikes or within patches of some dikes the plagioclase is saussuritized, miarolitic cavities are present rarely and boitite/chlorite-rich alteration selvages have developed indicating a volatile-rich component. In one instance plagioclase phenocrysts up to 3 cm in length are contained in a massive sulphide matrix at the contact of a massive sulphide vein within olivine gabbronorite (Plate 21).

17.2 Mineralization

Massive Sulphide Breccia Veins

Massive sulphide bodies up to 8 m thick, interpreted to be injected breccia veins (or hydrothermally remobilized massive sulphides), are comprised of fine-grained pyrrhotite, chalcopyrite, pentlandite (?) and rock clasts. The sulphides have been injected into incompetencies produced by brittle fractures in the enclosing rocks in proximity to the causative mafic intrusion. The sulphide magma chokes the matrix of the breccia fragments. Metal concentrations across full vein widths, although variable, are in the order of 1.5% Ni, 0.5%Cu and 0.1% Co respectively. Concentrations of PGE+Au are low (<0.5gpt).

Wall rock clasts, ranging from angular to sub rounded, in a massive sulphide matrix are present in all veins and compositionally reflect the olivine gabbronorite and peridotite wall rock lithologies. The degree

of clast rounding may be a function of the distance transported from the source and /or the intensity of alteration. Clast size and abundance are highly variable, 50% or more by volume near contacts (Plates 22, 23, 24) to less than 5% in vein interiors (Plate 25).

Phenocrysts of hornblende (?) altered to chlorite are common in the massive sulphide and appear to have formed in-situ (Plate 25). Vein/wall rock contacts are variably sharp (Plate 26) or corroded/replaced (Plate 27). Where megascopically discernable, biotite and/or chlorite, muscovite and calcite alteration selvages extend 5 to 30 cm into the wall rock (Plate 28). Some vein selvages have distinct millimetre scale banding of biotite and calcite over 2 to 15 cm (Plate 29). Garnets replace some clasts in the massive sulphide breccia veins (Plate 30).

Chalcopyrite, in addition to occurring as fine disseminated grains in the pyrrhotite dominated sulphide groundmass, also conspicuously occurs in the massive sulphide breccia veins as late cross cutting wispy masses ranging to 5 cm across (Plate 31) and as millimetre to sub millimeter veinlets cutting the massive sulphide and the immediately adjacent wall rocks. High chalcopyrite concentrations over widths of up to 5 cm also commonly occur at vein contacts (Plate 26).

A broad 20 to 50 m wide zone of narrow (<1 mm to 5 cm) pyrrhotite dominated veinlets and veins envelope the massive sulphide breccia veins. These narrow veinlets are relatively abundant near the massive sulphide breccia veins and occur with decreasing frequency with increasing distance away from the breccia veins. In contrast chalcopyrite dominated veins, generally less than 5 cm thick (Plate 32 and Plate 33) occur only within approximately 3 m of the main veins. Many of the narrow veins and veinlets also display breccia vein textures (Plate 34). It is probable that the massive sulphide breccia veins and the veinlets all interconnect throughout the broad fracture corridor. Relative to the country rocks, the rocks within the broad fracture zones enveloping the massive sulphide veins are more serpentinized and foliated. The foregoing leads to the hypotheses that if the massive sulphide breccia veins were derived from a magmatic source there were at least minor hydrothermal components to their deposition.

Two vein sets are identified. One has been emplaced (or formed) within a broad fracture zone along the southwestern margin of the peridotite body. The other, that is sub-parallel and lies approximately 75 m to the west, is hosted by olivine gabbronorite.

17.3 Disseminated Sulphide Zones

Broad intervals of 5 to 15% disseminated to net textured pyrrhotite>chalcopyrite and sub-centimeter thick pyrrhotite > chalcopyrite veinlets occur in the norite and olivine gabbronorite. Any large rock mass containing similar disseminated Ni-Cu sulphides may have substantial bulk tonnage potential and warrant assessment for high volume, low cost, open pit mining potential. In this regard the PYC zone also warrants assessment.

17.4 Pegmatite-Vein Relationships

Pegmatites are a common minor constituent throughout the area explored by diamond drilling. In some instances the spatial occurrence of the pegmatites approximates those of the massive Ni-Cu bearing sulphide veins but does not mimic them. The pegmatites variably occur within massive sulphide intervals, along hanging wall and /or footwall sulphide contacts, or in olivine gabbronorite and peridotite units in general proximity to the sulphide veins. Some pegmatite-sulphide contacts are sharp, with or without reaction zones of biotite, chlorite +/- chalcopyrite, while others appear to be intimately intergrown (Plate 21). This close spatial association suggests some common genetic or structural link.

At the margins of the Sudbury Igneous Complex pegmatite dikes occur in the enclosing Levak Gneiss. These dikes, that commonly display graphic textures, are interpreted to have formed by incipient partial melting and recrystallization of the paragneiss in the high temperature contact aureole (Molnar et. al. 2001). In the Potgietersrus Limb of the Bushveld Igneous Complex the basal Platreef unit, dominated by feldspathic pyroxenite, immediately overlies granitic gneisses (C.M. Rebagliati personal observation). Similarly, graphic textured pegmatite dikes are a common, volumetrically minor unit within the Platreef and are attributed to incipient partial melting of the underlying orthogneiss.

In the Sudbury and Bushveld Igneous Complexes the accumulation of high or higher concentrations of sulphide is attributed to the gravity settling and accumulation of immiscible sulphides at the base of a particular unit, as in the Bushveld, or at the base of the igneous complex as at Sudbury.

Peripheral to the Sudbury Igneous Complex massive Ni-Cu–bearing sulphide veins occur in the enclosing country rock from tens of metres to kilometres from the outer contact. It has been postulated that the formation of these massive sulphide veins occurred when liquid sulphide that accumulated at the base (periphery) of the igneous complex was forcefully expelled into fault or fracture zones developed or reactivated as the result of the emplacement of the intrusive complex. Alternately, a hydrothermal fluid may have interacted with earlier primary magmatic sulphide, causing remobilization and reprecipitation of Ni-Cu sulphides in veins (Molnar et. al. 2001).

At Barre de Fer, repeated tectonic activity coinciding with the incipient partial melting of the paragneiss during the intrusion of the mafic-ultramafic assemblage may have provided mutual conduits for both the expelled massive sulphide accumulations and the silicate melts. The absence of pegmatite with some of the sulphide veins and conversely the absence of sulphide veins with some of the pegmatite dikes can be explained by some fractures tapping only sulphide or silicate melt chambers rather than tapping both simultaneously. A zone of weakness rather than a single fracture/fault plane may account for the relatively close emplacement of the pegmatite dikes and sulphide veins. Alternately, some structures occupied by the pegmatite dykes may have been reactivated during the remobilization of accumulated magmatic massive sulphides to host the massive sulphide breccia veins.

17.5 Sulphide Source

Two alternate sources for the massive sulphide contained within the breccia veins are postulated, each have different exploration significance. The source for the massive sulphides may lie at depth to the east of the norite body. A pronounced chilled margin developed on the western side of the norite indicates that the norite is younger than the olivine gabbronorite, which does not have a chilled margin, and is possibly younger than either or both of the massive sulphide breccia vein sets that it appears to truncate. If this is the case then the massive sulphide breccia veins could be expected to re-occur on the eastern side of the norite at greater depths. The veins could coalesce with a large magmatic massive sulphide deposit, a setting similar to that occurring at the margin of the Sudbury Intrusive Complex.

Alternately, the massive sulphides could have originated from the norite that persistently hosts disseminated to net textured pyrrhotite, which is accompanied by subordinate chalcopyrite and chalcopyrite pentlandite. During the early crystallization stage of the norite greater accumulations of sulphide may have been ejected under high pressure from the norite to form massive veins in fracture zones that developed in brittle units adjacent to the norite. At 201 m in hole 151-04 (Plate 35) a 5 mm thick pyrrhotite>chalcopyrite vein in norite coalesces into net textured and disseminated pyrrhotite>chalcopyrite accumulations. This small-scale feature mimics and clearly illustrates larger scale geological features (Figures 10.0 and 11.0). The potential for massive sulphide bodies hosted by the norite to occur below the depth of detection of the EM systems utilized must be considered. Alternately, the Barre de Fer norite intrusion and others in the project area may have the potential to host large, bulk mineable disseminated nonconductive Ni-Cu-Co deposits. Similarly, disseminated intervals in olivine gabbronorite indicate that this unit is also a potential host lithology. Back calculated nickel concentrations in 100% sulphide strongly suggest that the sulphides in the massive sulphide breccia veins, disseminated in the olivine gabbronorite and disseminated in the norite were derived from the same source (see Appendix 4).

18.0 PYC ZONE MINERALIZATION

The broad interval of mineralization in hole 151-03 is clearly magmatic. Sulphides, pyrrhotite>chalcopyrite, range from weakly to moderately disseminated, to net textured and over 10-30 cm intervals to sub-massive-massive. While the host is logged as (magnetic) granulitic olivine gabbro it is very similar looking to the (non-magnetic) norite in the Barre de Fer Zone. From an exploration perspective the important features are a permissive noritic unit hosts magmatic sulphides across substantial widths in a zone that is indicated by EM to extend some 1400 m along strike. The single diamond drill hole drilled to test this prospective magmatic sulphide zone has not adequately tested the zones potential to host massive Ni-Cu deposits.

19.0 INTERPRETATION AND CONCLUSIONS

Geological surveys have confirmed that the Manicouagan Intrusive Complex is comprised of extensive areas of mafic and ultramafic rocks displaying repeated pulses of mafic magma that have intruded sulphide-bearing metasedimentary rocks. The ground investigation of THEM conductors situated within these intrusions has resulted in the discovery of several zones of disseminated, semi-massive and massive sulphide carrying appreciable concentrations of Ni-Cu-Co, substantiating the effectiveness of the exploration methodology. Diamond drilling of three of these sulphide zones has confirmed their continuation to depth below their surface exposures.

Diamond drilling at Barre de Fer has substantiated the presence of multiple zones of brittle fracture-hosted Ni-Cu-Co-bearing massive sulphide breccia vein-type mineralization of a tenor similar to that mined in established nickel mining districts. Exploration at Barre de Fer is at an early stage and much more drilling is warranted to establish the full extent and grade of the breccia veins zones. Disseminated Ni-Cu-Co mineralization hosted by noritie and olivine gabbronorite is recognized to have bulk tonnage potential.

With the discovery of important concentrations of Ni mineralization at Forgues, PYC and Barre de Fer by following up THEM conductors, remaining strong to moderate conductors should be examined thoroughly.

20.0 RECOMMENDATIONS

Examine all strong to moderate THEM conductors and cover those with favourable features with detailed ground UTEM survey grids to accurately define drill targets.

Diamond drill to determine the extent and tenor of the mineralization causing the conductors and continue the drilling program at Barre de Fer.

21.0 REFERENCES

Allard, M., 1999, Rapport Sur Des Leves Magnetique et Electromagnetique Heliportes Effectues dans la region des monts Groulx, Pour Falconbridge Inc, dated May 1999, Appendix E in Thibert and Boulianne, 2001.

Christopher, P.A., 2001, Summary Report on the Haut Plateau Ni-Cu-Co Project, Haut Plateau de la Manicouagan, Quebec Canada: Unpublished Rockwell Ventures Inc. Company report, 38 p.

Clark T., 1998, An Overview of the Ni-Cu-Co +/- PGE Potential of the Grenville Province in Quebec. PRO 98-02. Ministere des Ressources Natural du Quebec, Service Geologique de Quebec.

Evans-Lamswood, D.M., Butt, D.P., Jackson, R.S., Lee, D.V., Muggridge, M.G., Wheeler, R.I., Wilton, D.H.C. 2000, Physical Controls Associated with the Distribution of sulphides in the Voisey's Bay Ni-Cu-Co Deposit, Labrador. A Special Issue on Voisey's Bay Ni-Cu-Co Deposit, Anthony J. Naldrett and Chusi Li, Editors: Economic Geology v. 95 No.4, pp. 749-769.

Li, C., Lightfoot, P.C., Amelin, Y., and Naldrett, A. J., 2000, Contrasting Petrological and Geochemical Relationships in the Voisey's Bay and Mushuau Intrusions, Labrador, Canada: Implications for Ore Genesis. A Special Issue on Voisey's Bay Ni-Cu-Co Deposit, Anthony J. Naldrett and Chusi Li, Editors: Economic Geology, v. 95 No.4, pp. 771-799.

Kere, A., and Bruce, R., 2000, Threading the Eye of the Needle; Lessons from the Search for Another Voisey's Bay in Labrador, Canada. A Special Issue on Voisey's Bay Ni-Cu-Co Deposit, Anthony J. Naldrett and Chusi Li, Editors: Economic Geology V.95, No. 4, pp. 725-748.

Laforest, J., 1999 Campagne de prospection Région du Haut-Plateau de la Manicouagin, NTS 220/11, Entente 1999-B-305 for Falconbridge Limited, dated November 16, 1999.

Lapointe, S., 2000a Campagne d'exploration Proprieté Haut-Plateau Est, NTS 220/11, Entente 2000-B-204 for Falconbridge Limited dated November 28, 2000.

Lapointe, S. 2000b Rapport de cartographie Proprieté Haut-Plalteau Est. (NPN-151) for Falconbridge Limited, dated November 20, 2000.

Li, C., and Naldrett, A.J., 2000, Melting Reactions of Gneissic Inclusions with Enclosing Magma at Voisey's Bay, Lagrado, Canada: Implications with Respect to Ore Genesis, Economic Geoogy, V.95

Lortie, P., 2001 Area 1, Report on Electromagnetic and Magnetic Airborne survey Compilation for Falconbridge Limited, dated October 2001.

McKeown, R.L., 2000, Report on Magnetometer Survey for Falconbridge Limited, Haut Plateau Property, Monts-Groulx Area, Quebec, August – September 2000 dated October 2000, Appendix F in Thibert and Boulianne, 2001.

Molnar, F., Watkinson, D.H., Jones, P.C., 2001, Multiple Hydrothermal Processes in Footwall Units of the North Range, Sudbury Igneous Complex, Canada, and Implications for the genesis of Vein-Type Cu-Ni-PGE Deposits: Economic Geology, v. 96, p. 1645-1670.

Osmond, R., 20010a, Drill Targets for Haut Plateau. Memorandum Report for Falconbridge Limited dated February 16, 2001.

Osmond, R., 2001b, Haut Plateau Borehole Interpretations. Memorandum Report for Falconbridge Limited dated May 25, 2001.

Peloquin, A.S., 2001, Gabbro Geochemistry of the Haut Plateau de la Manicouagan for F. Thibert, Senior Project Geologist, Falconbridge Limited, dated October 2001.

Thibert, F., and Boulianne, Y., 2001, Geological Assessment Report on Haut Plateau Est Project 151, Sept-Iles, Quebec, Ground Staked Claims 5233376 to 5233535 inclusively, Work Performed 1999-2000, Falconbridge Ltd.

Titley, E. 2002, Haut Plateau Sampling, Analytical and QAQC, internal Rockwell Ventures Inc. memorandum.

Vaughan, C., 1999, A T.H.E.M. Helicopter – Borne EM and Magnetic Survey over the Relais Gabriel and Forgues Project Areas, Quebec for Falconbridge Limited dated July 1999, Appendix D in Thibert and Boulianne, 2001.

21.1 Regional Geological Map References

MB 92-10 – Carte Geologique De La Region Du Petit Lac Manicouagan. 1992, Par Danis, D. 0 pages 1 Carte (Echelle 1/50,000). 1 microfiche.

PRO-91-09 – Nouveaux Indices Mineralises De Cu-Ni-Co Sur Le Plateau De Manicouagan. 1991, Par Danis, D., Clark, T. 4 pages. 1 microfiche.

PRO 91-10 – New Cu-Ni-Co Showings on the Manicouagan Plateau. 1991, Par Danis, D, Clark, T. 4 pages. 1 microfiche.

MB 89-33 – Geochimie Des Sediments De Lac, Region De Fermont. 1989, Par Beaumier, M. 12 pages 41 Cartes (Echelle 1/500,000). 8 microfiches

MB 89-58 – Analyse Multidimensionnelle De Donnees Geochimiques De Sediments Lacustres Dans La Region De Manicouagan. 1989, Par Marcotte, D., Foy, J.S. 62 pages. 2 microfiches.

MB 88-38 – Aires D'Activite Geochimique Dans Les Sediments De Lac De La Regional De Fermont – Quelques Considerations Sur Le Potentiel Mineral – 1988, Par Beaumier, M. 23 pages. 1 Carte (Echelle 1/500,000). 1 microfiche.

DP 86-18 – Geochimie Des Sediments De Lac – Region De Manicouagan. 1987, Par Choiniere, J. 0 pages. 11 Plans (Echelle 1/500,000). 3 microfiches.

DV 83-14 – Cartes Des Gites Mineraux Du Quebec: Regional De La Cote Nord. 1984, Par Avramtchev. L. 19 pages. Cartes M-353 A M-370 (Echelle 1/250,000) ET 1 Legende. 1 microfiche.

CL 0220 – Carte De Localisation Des Travaux Geoscientifiques 0220. 1981, Par Mrn. 0 pages. 1 Carte (Echelle 1/250,000) En Plusieurs Feuillets.

GM 49161 – Leve Geochimique De Sediments De Fonds De Lacs (Plans Seulement), Projet Manic 22-2002. 1978, Par Richard, M. 2 pages. 19 cartes, 11 microfiches.

GM 49160 – Rapport De Reconnaissance Geologique Et Des Leves Spectrometrique Aerien Et Geochimique (Sediments De Lac) Campagne Ete 1977, Project Manic 22-2002. 1977, Par Armstrong, E., Lacasse, J. 334 pages. 1 carte. 7 microfiches.

RG 162 – Region Des Rivieres Betsiamites (Bersimis) Et Moisie, (Grenville 1968-1969). 1975, Par Franconi, A., Sharma, K N M, Laurin, A.F. 149 pages. Cartes 1773, 1778, 1779, 1784 et 1788 (Echelle 1/250,000). 5 microfiches.

DP 127 – Geologie De La Region Des Rivieres Bersimis, Papinachois, Aux Outardes, Manicouagan, Sainte-Marguerite Et Moisie (Comte De Saguenay): Project Grenville 1968-1969, 1971 Par Franconi, A Laurin, A F, Sharma, K N M. 138 pages. 4 Cartes (Echelle 1/253,440). 4 microfiches.

GM 26140 – Rapport Des Possibilities De Mise En Exploitation Des Reserves De Minerai Pour Choisir La Capacite D'Une Nouvelle Ligne D'Electricite Dans La Region, Sous-Station Montagnais. 1970, Par Siois, R. 36 pages. 1 carte. 1 microfiche.

FIGURES

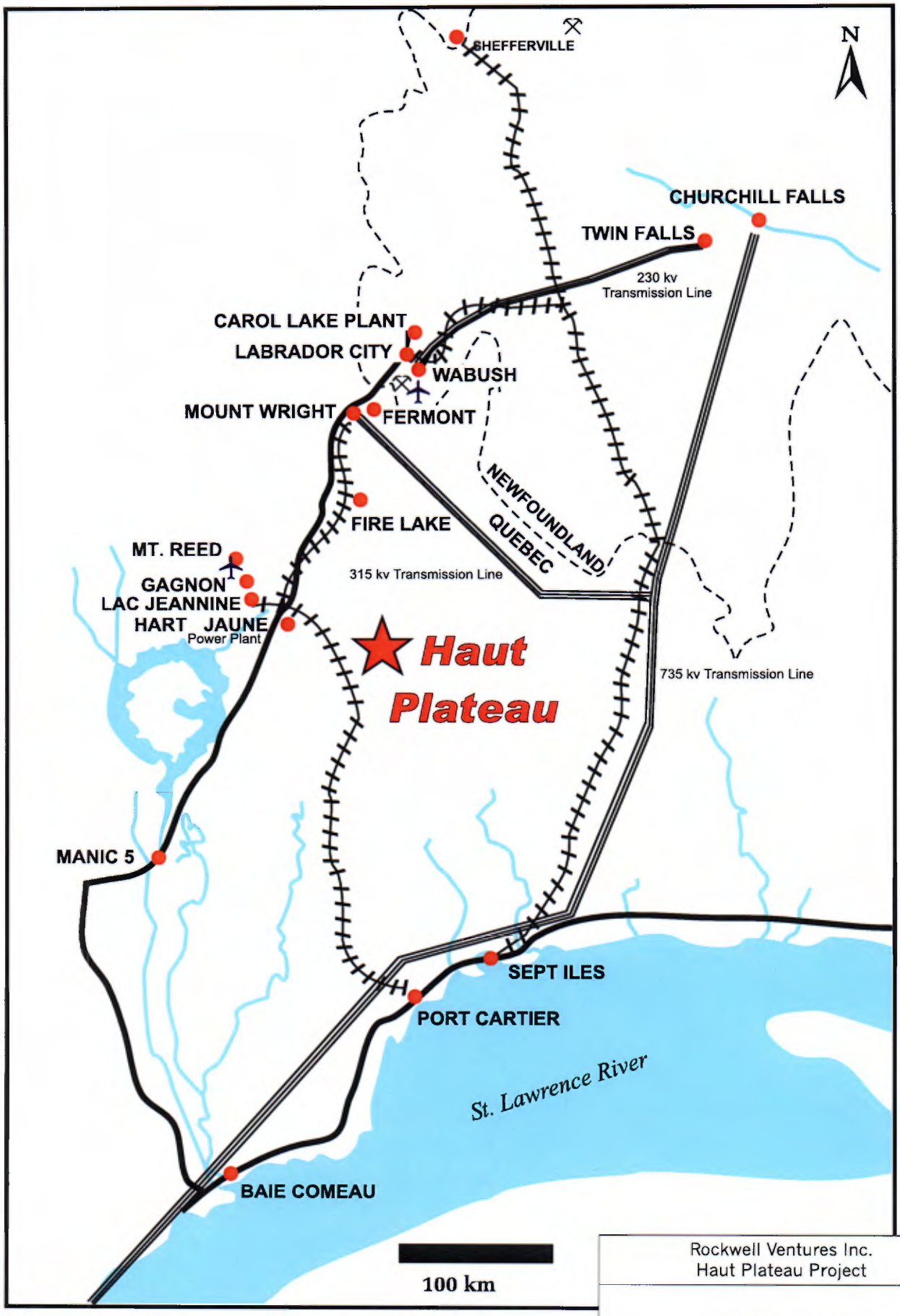
LIST OF FIGURES

Figure 1.0 Location Map
Figure 2.0 Infrastructure
Figure 3.0 Mineral Tenure
3.1 Mineral Tenure
3.2 Mineral Tenure
3.3 Mineral Tenure
3.4 Mineral Tenure
3.5 Mineral Tenure
3.6 Mineral Tenure
3.7 Mineral Tenure
3.8 Mineral Tenure
Figure 4.0 Regional Geology and Nickel-Copper Occurrences
Figure 5.0 Property Geology
Figure 6.0 General Geology Forgues Intrusion
6.1 Forgues Extension 1998 Trenching Results
Figure 7.0 Barre de Fer and PYC Drill Hole Plan with Ground EM
7.1 Barre de Fer Drill Hole Plan
Figure 8.0 Barre de Fer Surface Geology and Drill Hole Plan
8.1 Geology 900m elevation
8.2 Geology 875m elevation
8.3 Geology 850m elevation
8.4 Geology 825m elevation
8.5 Geology 800m elevation
8.6 Geology 775m elevation
8.7 Geology 750m elevation
8.8 Geology 725m elevation
8.9 Geology 700m elevation
8.10 Geology 675m elevation
8.11 Geology 650m elevation
Figure 9.0 Section 0 + 00 W
Figure 9.1 Section 0 +50 W
Figure 9.2 Section 1 + 00 W
Figure 9.3 Section 1 + 50 W
Figure 9.4 Section 2 + 00 W
Figure 10.0 Footwall Vein Deposits, Sudbury Igneous Complex
Figure 11.0 Bifurcation of Sulphide Veins, Voisey's Bay District

Rockwell Ventures Inc.
Haut Plateau Project

Location Map

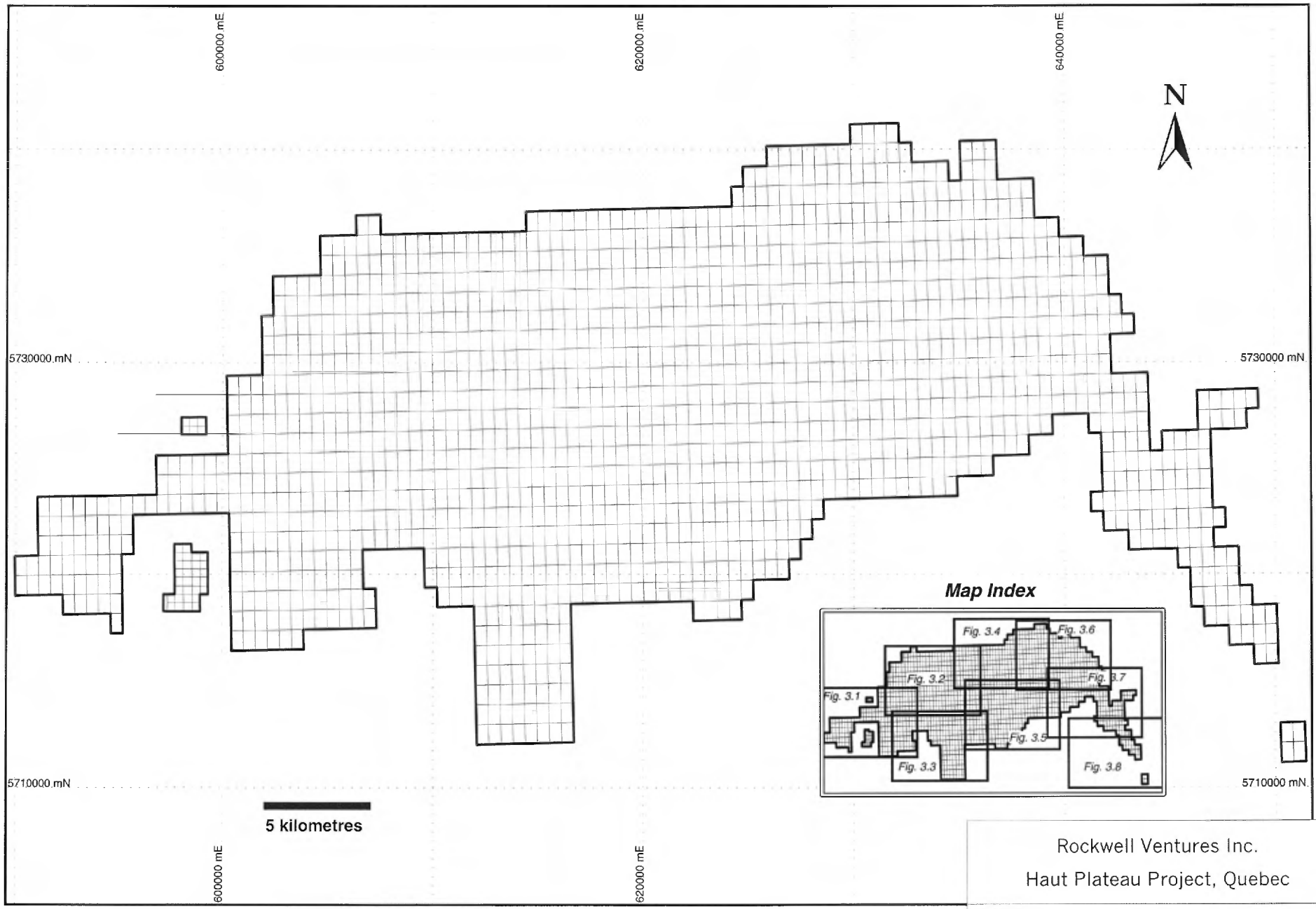
Scale	Date	Drawn by	Figure
As shown	April 2002	DBR	1.0



Rockwell Ventures Inc.
Haut Plateau Project

Infrastructure

Scale	Date	Drawn by	Figure
As shown	April 2002	DBR	2.0



Projection: UTM Zone 19 (NAD 27 for Canada)

Rockwell Ventures Inc.

Haut Plateau Project, Quebec

Mineral Tenure

Scale	Date	Drawn by	Figure
As shown	April 2002	PC	3.0


Projection: UTM Zone 19 (NAD 27 for Canada)
5718000 mN
5722000 mN
5726000 mN
592000 mE
596000 mE
600000 mE
N
2 kilometres
CDC 1042457
CDC 1042461
CDC 1042458
CDC 1042462
CDC 1042459
CDC 1042463
CDC 1042465
CDC 1042467
CDC 1042469
CDC 1042417
CDC 1042423
CDC 1042429
CDC 1042436
CDC 1042470
CDC 1042412
CDC 1042418
CDC 1042424
CDC 1042430
CDC 1042437
CDC 1042443
CDC 1042413
CDC 1042419
CDC 1042425
CDC 1042431
CDC 1042438
CDC 1042444
CDC 1042414
CDC 1042420
CDC 1042426
CDC 1042432
CDC 1042439
CDC 1042445
CDC 1042415
CDC 1042421
CDC 1042427
CDC 1042433
CDC 1042440
CDC 1042446
CDC 1042411
CDC 1042416
CDC 1042422
CDC 1042428
CDC 1042434
CDC 1042441
CDC 1042447
CDC 1042435
CDC 1042442
CDC 1042448
CDC 1042449
CDC 1042450
CDC 1042471
CDC 1042478
CDC 1042485
CDC 1042472
CDC 1042479
CDC 1042486
CDC 1042473
CDC 1042480
CDC 1042487
CDC 1042474
CDC 1042481
CDC 1042488
CDC 1042475
CDC 1042482
CDC 1042489
CDC 1042476
CDC 1042483
CDC 1042490
5196074
5196046
5196045
5196047
5196044
5196073
5196072
5196071
5196030
5196029
5196069
5196048
5196043
5196039
5196038
5196031
5189939
5189937
5196070
5196049
5196042
5196040
5196037
5196032
5189940
5189938
5196041
5196036
5196033
5196034
5196035
5068563
5068525
5068564
5068524
5068565
5068523
CDC 1042540
CDC 1042455
CDC 1042456
CDC 1042460
CDC 1042464
CDC 1042466
CDC 1042468
CDC 1042477
CDC 1042484
CDC 1042491
CDC 1042492
CDC 1042493
CDC 1042494
CDC 1042534
CDC 1042541
CDC 1042546
CDC 1042551
CDC 1042556
CDC 1042561
CDC 1042566
CDC 1042499
CDC 1042504
CDC 1042509
CDC 1042514
CDC 1042519
CDC 1042524
CDC 1042529
CDC 1042535
CDC 1042542
CDC 1042547
CDC 1042552
CDC 1042557
CDC 1042562
CDC 1042567
CDC 1042500
CDC 1042505
CDC 1042510
CDC 1042515
CDC 1042520
CDC 1042525
CDC 1042530
CDC 1042536
CDC 1042543
CDC 1042548
CDC 1042553
CDC 1042558
CDC 1042563
CDC 1042568
CDC 1042501
CDC 1042506
CDC 1042511
CDC 1042516
CDC 1042521
CDC 1042526
CDC 1042531
CDC 1042537
CDC 1042544
CDC 1042549
CDC 1042554
CDC 1042559
CDC 1042564
CDC 1042569
CDC 1042502
CDC 1042507
CDC 1042512
CDC 1042517
CDC 1042522
CDC 1042527
CDC 1042532
CDC 1026172
CDC 1042555
CDC 1042560
CDC 1042565
CDC 1042498
CDC 1042503
CDC 1042508
CDC 1042513
CDC 1042518
CDC 1042523
CDC 1042528
CDC 1042533
CDC 1026173
CDC 1042570
CDC 1042572
CDC 1042577
CDC 1042582
CDC 1042588
CDC 1042594
CDC 1042600
CDC 1042606
CDC 1025131
CDC 1025132
CDC 1025133
CDC 1025134
CDC 1042571
CDC 1042573
CDC 1042578
CDC 1042583
CDC 1042589
CDC 1042595
CDC 1042601
CDC 1042607
CDC 1025091
CDC 1025093
CDC 1025095
CDC 1025105
CDC 1042922
CDC 1042574
CDC 1042579
CDC 1042584
CDC 1042590
CDC 1042596
CDC 1042602
CDC 1042608
CDC 1025092
CDC 1025094
CDC 1025096
CDC 1025106
CDC 1042923
CDC 1042576
CDC 1042580
CDC 1042585
CDC 1042591
CDC 1042597
CDC 1042603
CDC 1042609
CDC 1016407
CDC 1016415
CDC 1013367
CDC 1013376
CDC 1042924
CDC 1042576
CDC 1042581
CDC 1042586
CDC 1042592
CDC 1042598
CDC 1042604
CDC 1016402
CDC 1016408
CDC 1016416
CDC 1013368
CDC 1013
CDC 1042925
CDC 1042587
CDC 1042593
CDC 1042599
CDC 1042605
CDC 1016403
CDC 1016409
CDC 1016417
CDC 1013369
CDC 1013376
CDC 1013370
CDC 1013379
Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Mineral Tenure
Scale
As shown
Date
April 2002
Drawn by
PC
Figure
3.1

Rockwell Ventures Inc.

Haut Plateau Project, Quebec

Mineral Tenure

Scale	Date	Drawn by	Figure
As shown	April 2002	PC	3.2

Rockwell Ventures Inc.

Haut Plateau Project, Quebec

Mineral Tenure

Scale	Date	Drawn by	Figure
As shown	April 2002	PC	3.3

Rockwell Ventures Inc.

Haut Plateau Project, Quebec

Mineral Tenure

Scale	Date	Drawn by	Figure
As shown	April 2002	PC	3.4

Rockwell Ventures Inc.

Haut Plateau Project, Quebec

Mineral Tenure

Scale	Date	Drawn by	Figure
As shown	April 2002	PC	3.5

Projection: UTM Zone 19 (NAD 27 for Canada)

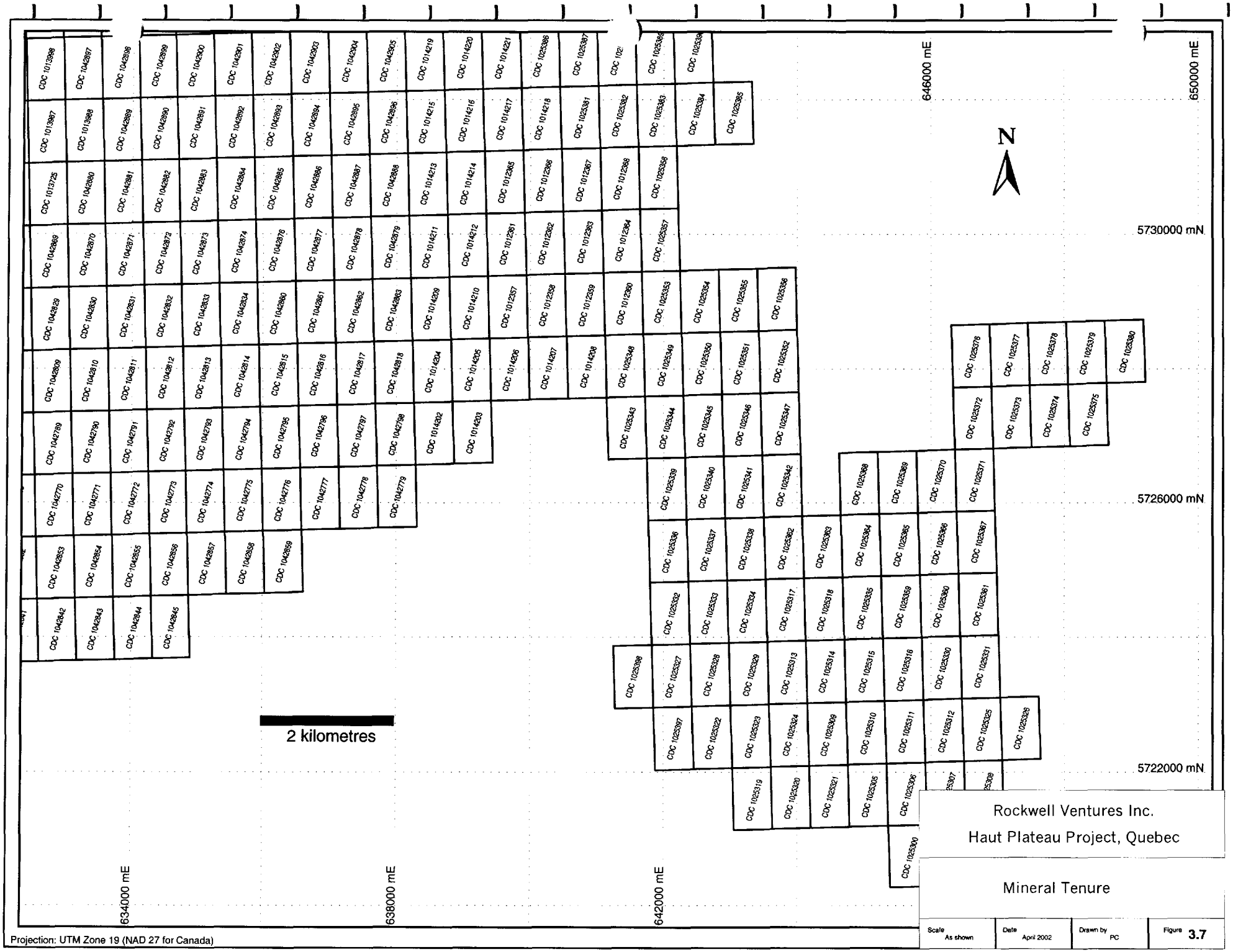
Rockwell Ventures Inc.

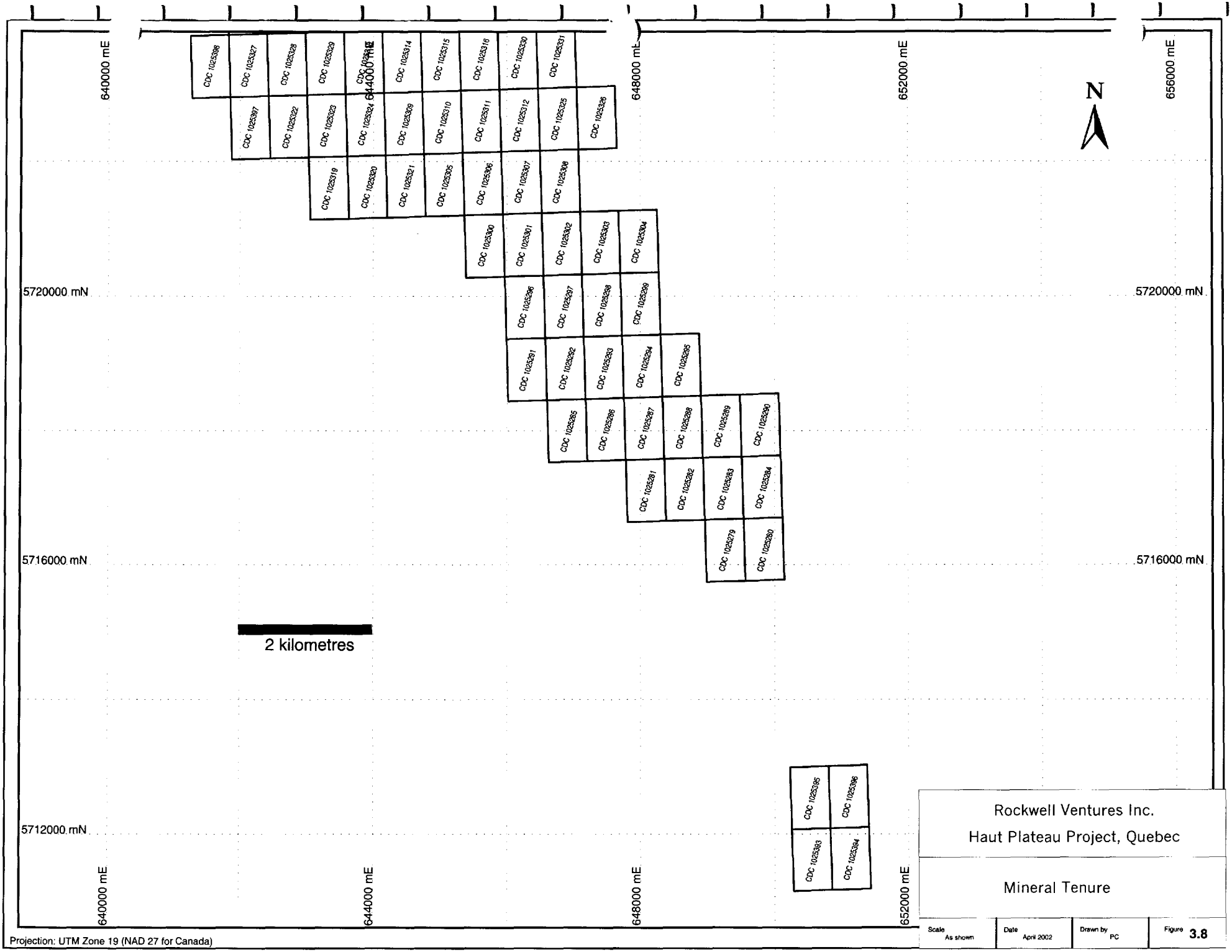
Haut Plateau Project, Quebec

Mineral Tenure

Scale	Date	Drawn by	Figure
As shown	April 2002	PC	3.6

Projection: UTM Zone 19 (NAD 27 for Canada)


N
646000 mE
650000 mN
5730000 mN
5726000 mN
5722000 mN
634000 mE
638000 mE
642000 mE
2 kilometres
Projection: UTM Zone 19 (NAD 27 for Canada)
Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Mineral Tenure
Scale As shown
Date April 2002
Drawn by PC
Figure 3.7



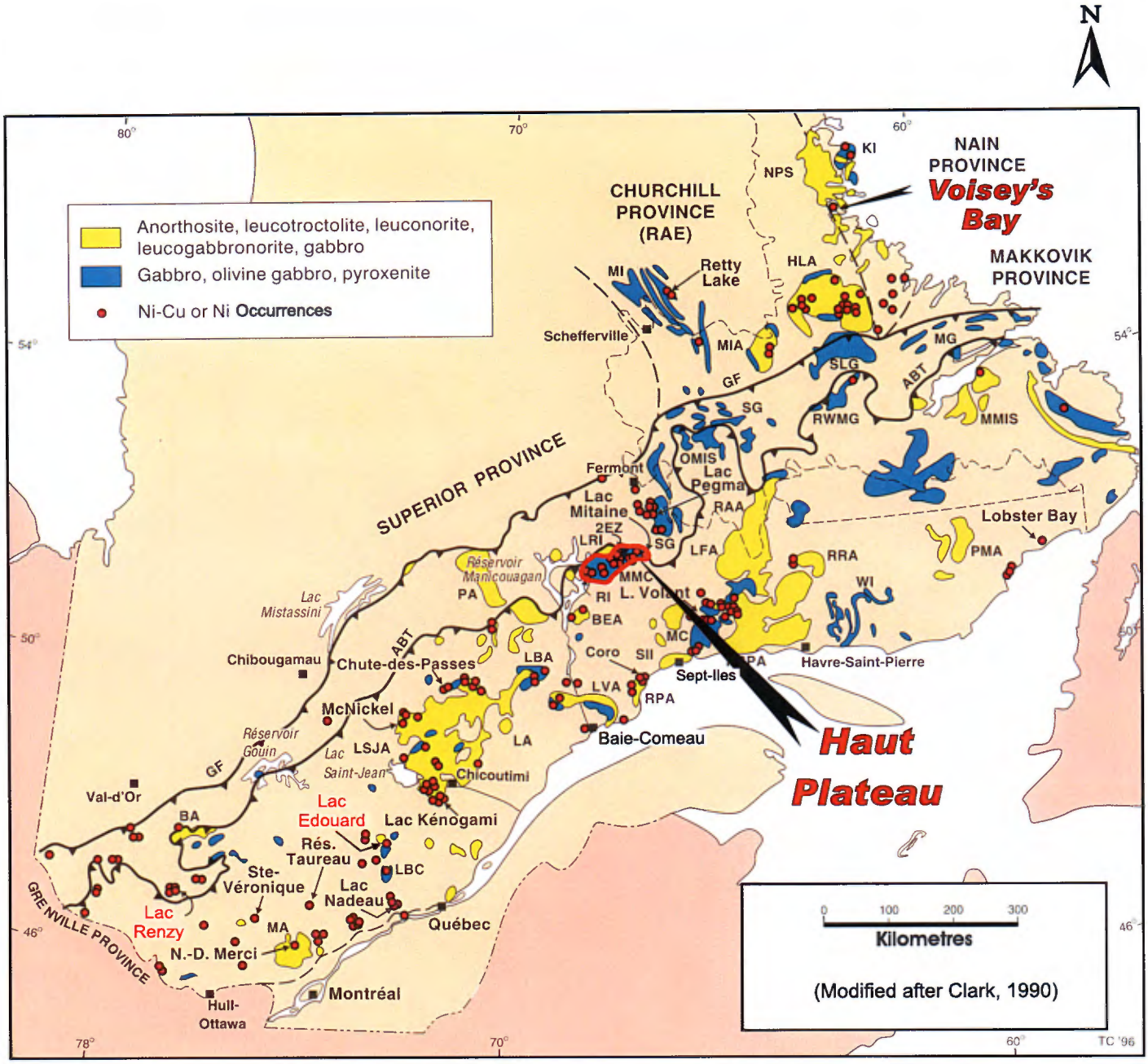
Projection: UTM Zone 19 (NAD 27 for Canada)

Rockwell Ventures Inc.

Haut Plateau Project, Quebec

Mineral Tenure

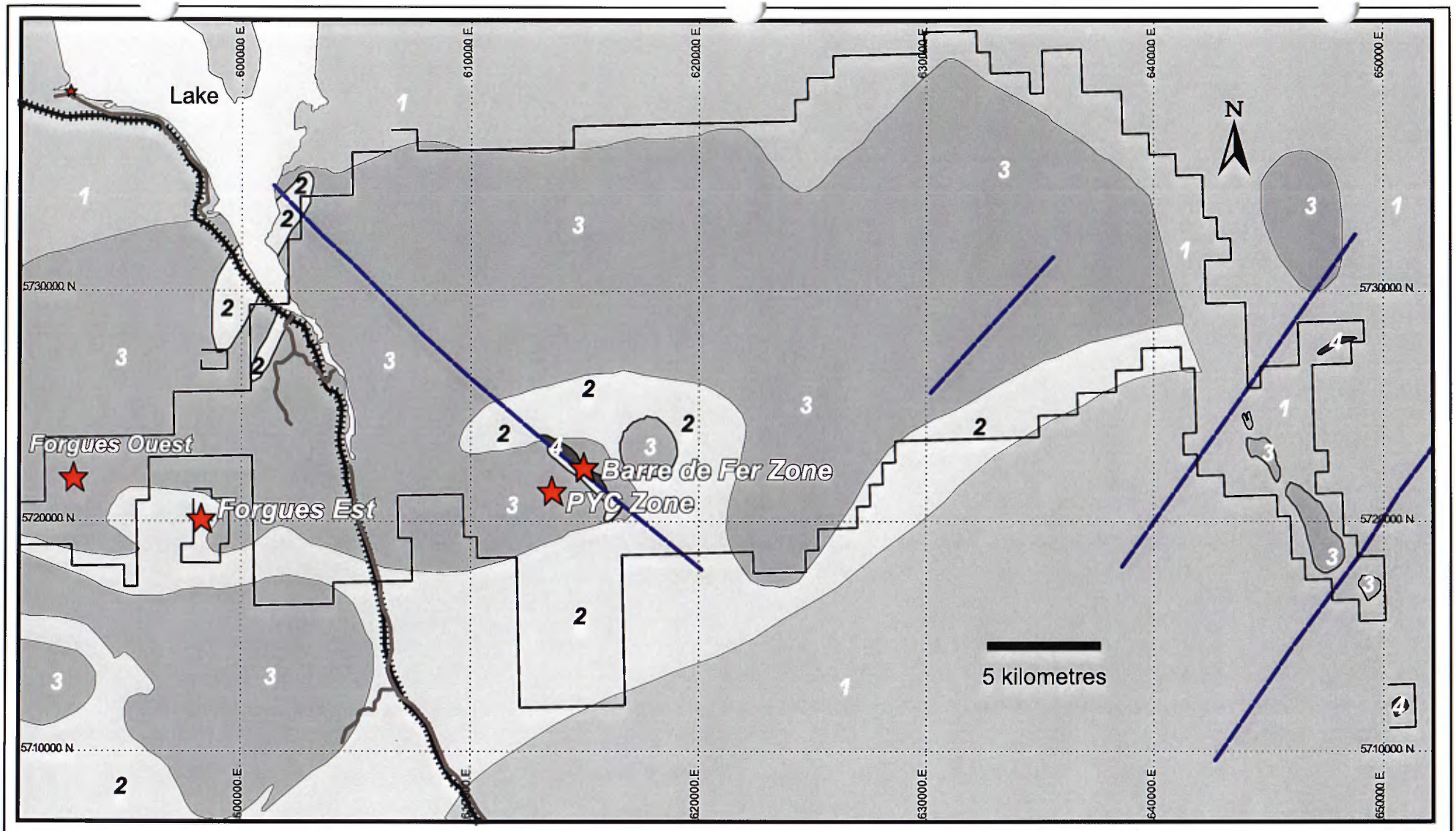
Scale	Date	Drawn by	Figure
As shown	April 2002	PC	3.8



Rockwell Ventures Inc.
Haute Plateau Project

Regional Geology
Nickel - Copper Occurrences

Scale	Date	Drawn by	Figure
As shown	April 2002	DBR	4.0



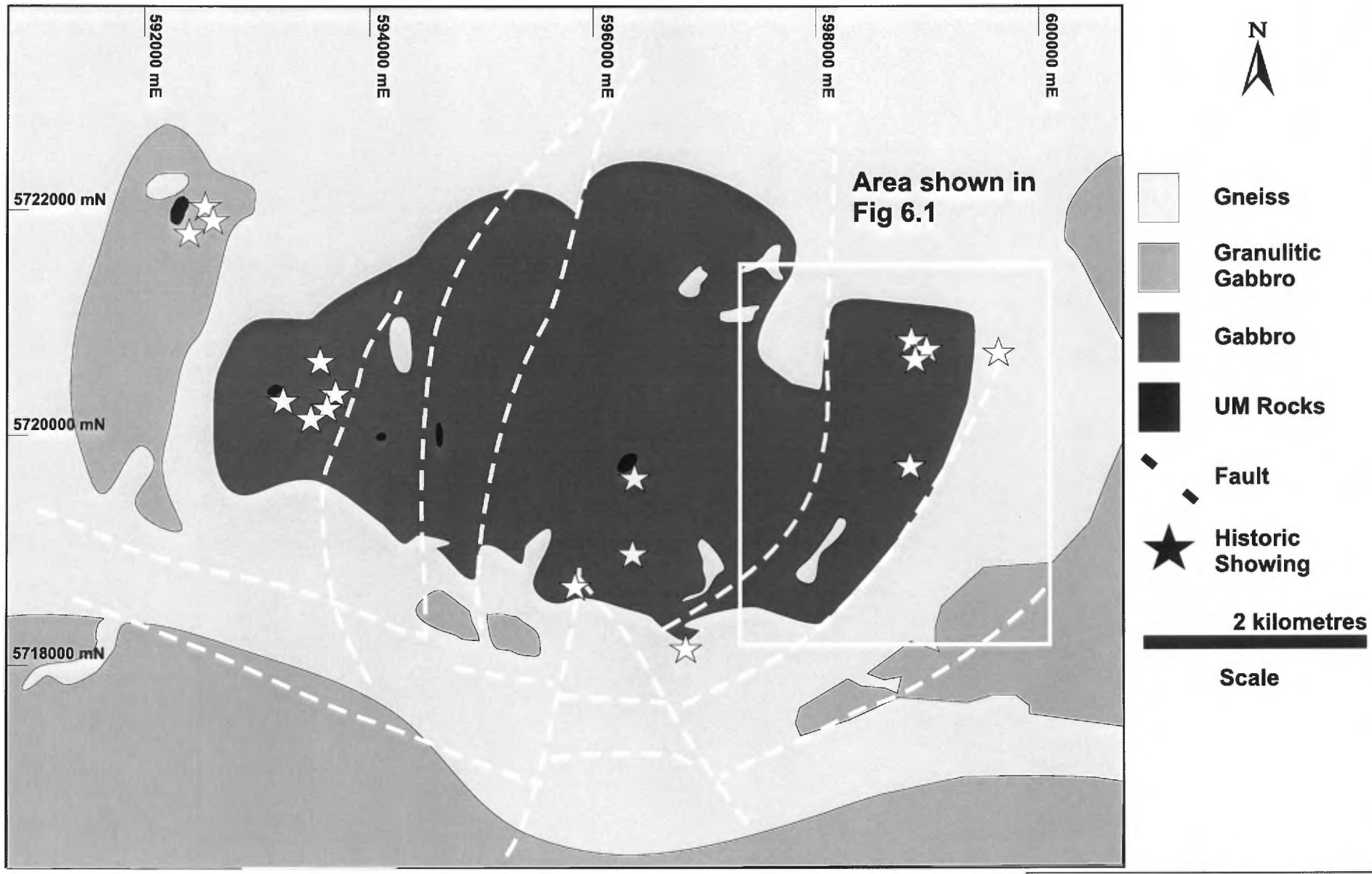
LEGEND

- 4 Ultramafic
- 3 Gabro and Ultramafic
- 2 Paragneiss
- 1 Undifferentiated Gneiss

Mineral Occurence

Fault

Rockwell Ventures Inc. Haute Plateau Project			
Property Geology			
Scale As shown	Date April 2002	Drawn by PC	Figure 5.0

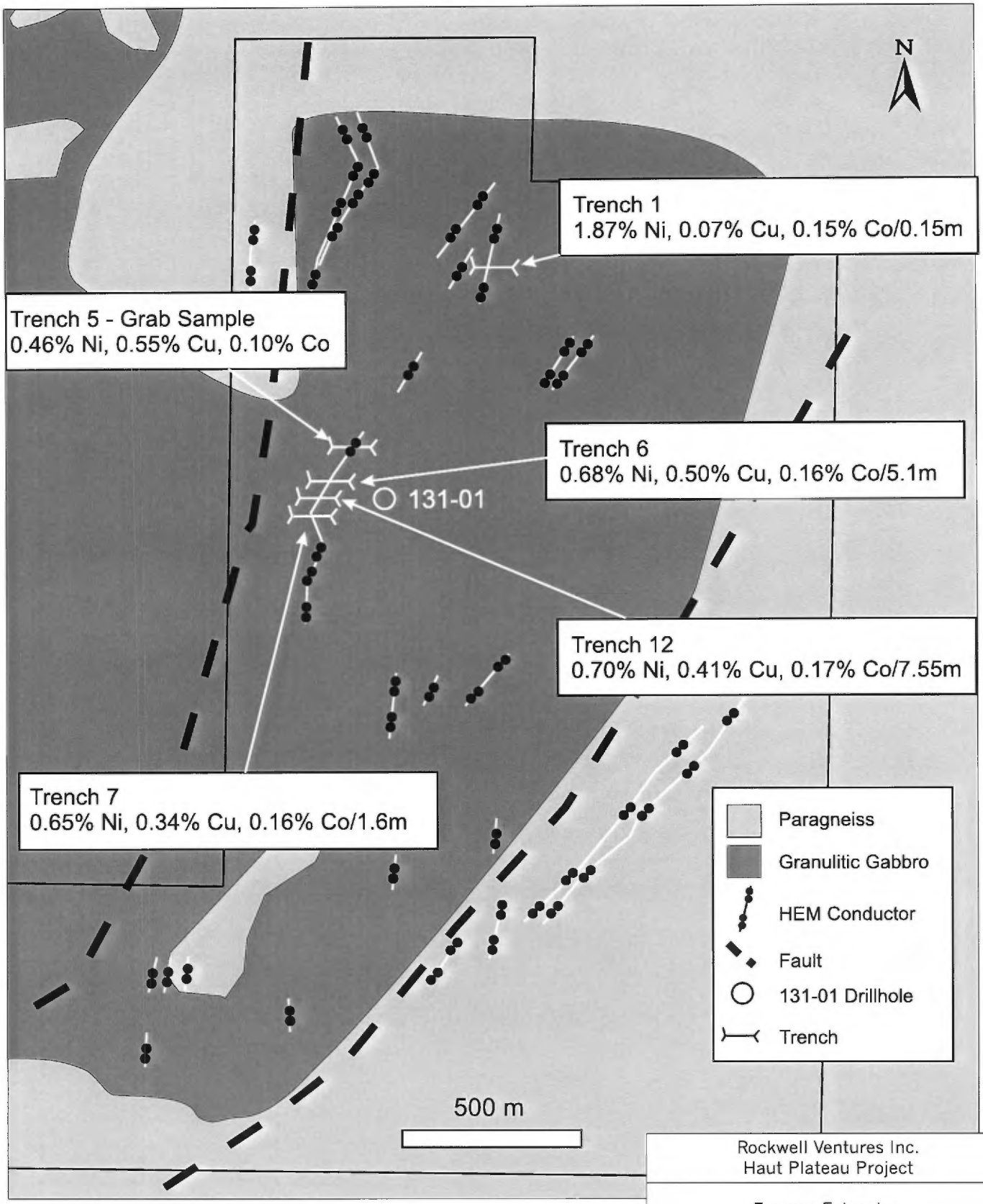


(From Falconbridge Annual Report - 1998)

Rockwell Ventures Inc.
Haut Plateau Project

General Geology
Forgues Intrusion

Scale	Date	Drawn by	Figure
As shown	April 2002	DBR	6.0

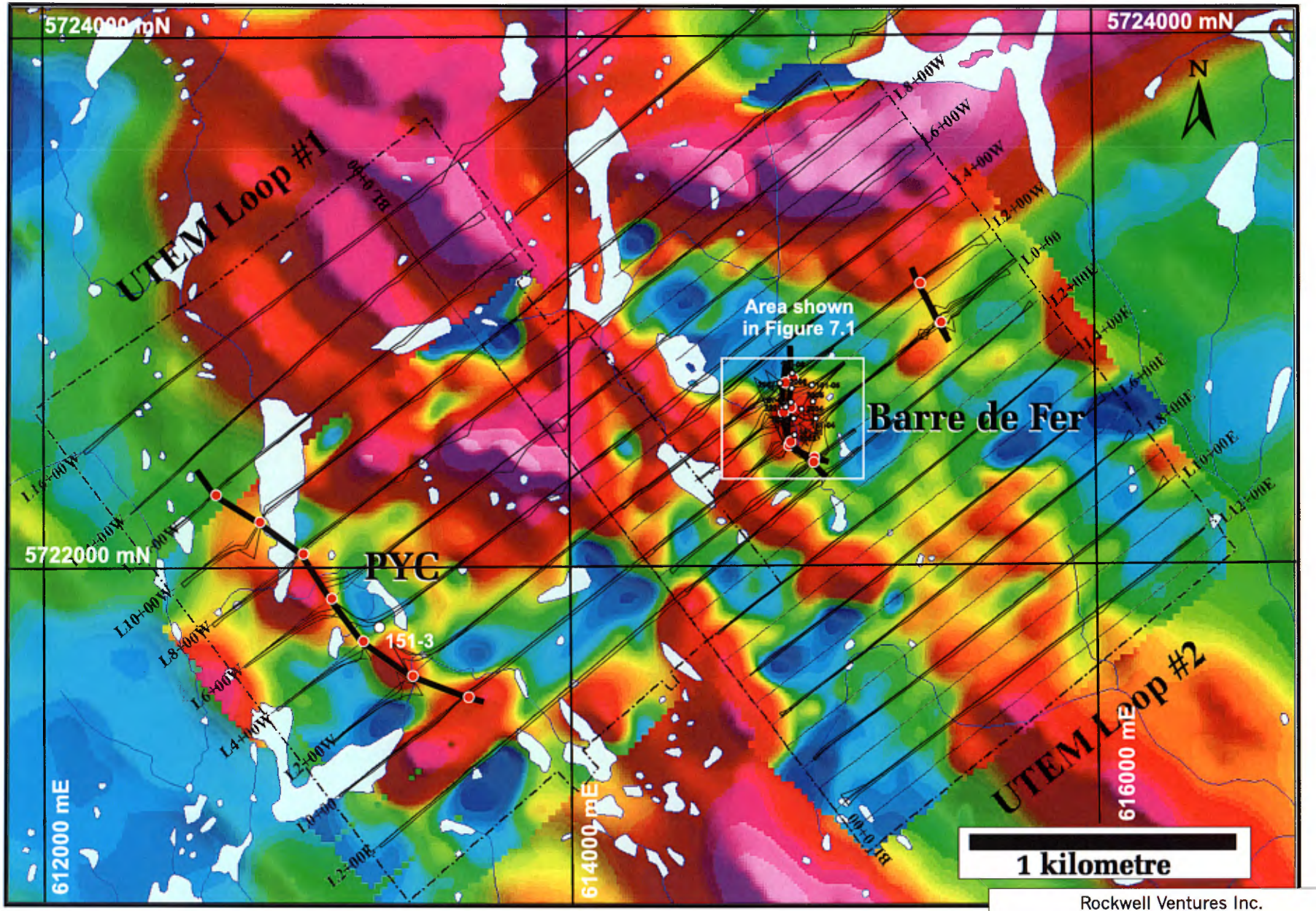


(From Falconbridge Annual Report - 1998)

Rockwell Ventures Inc.
Haut Plateau Project

Forgues Extension
1998 Trenching Results

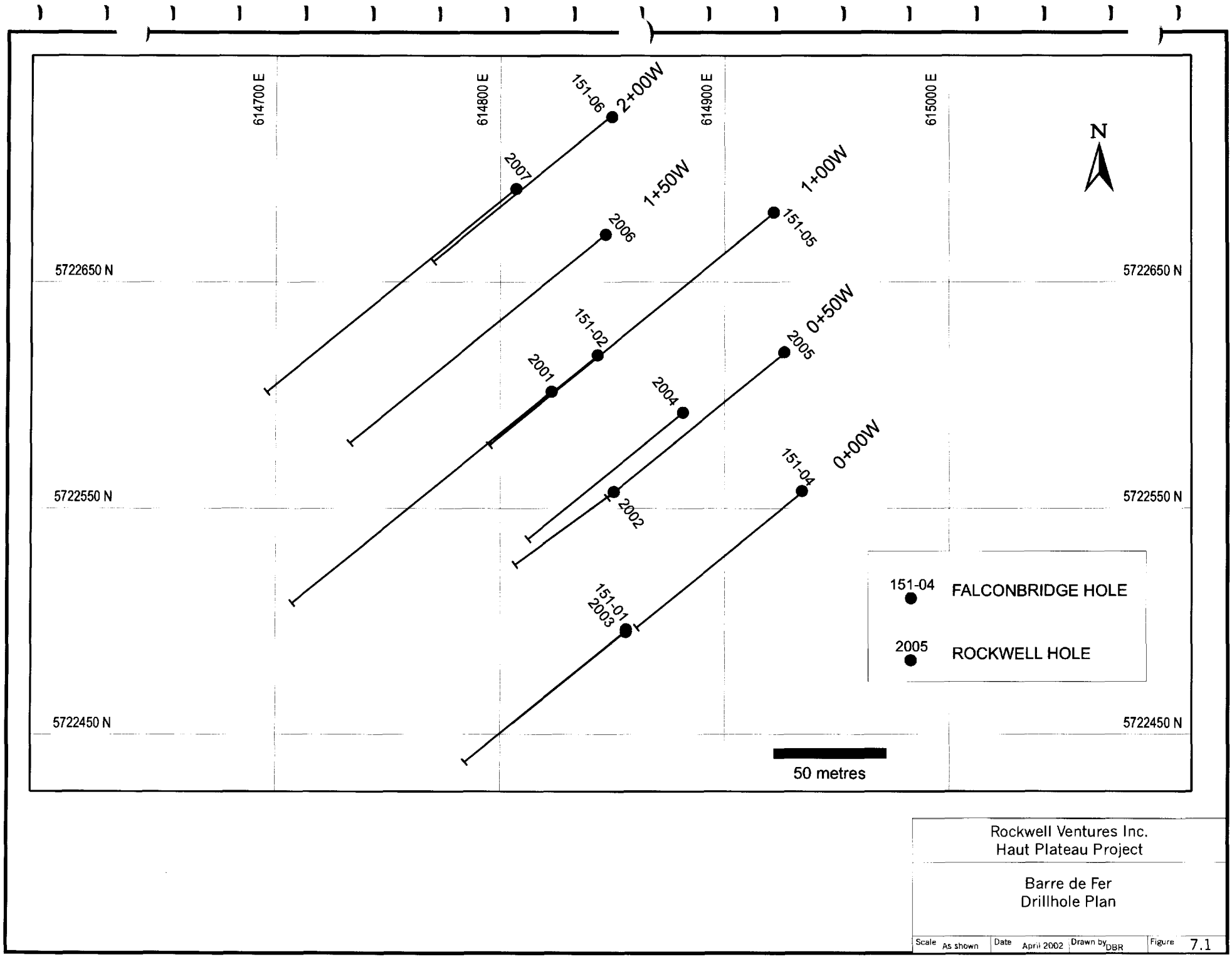
Scale	Date	Drawn by	Figure
As shown	April 2002	DBR	6.1



Rockwell Ventures Inc.
Haut Plateau Project

Barre de Fer and PYC
Drillhole Plan with
Ground EM

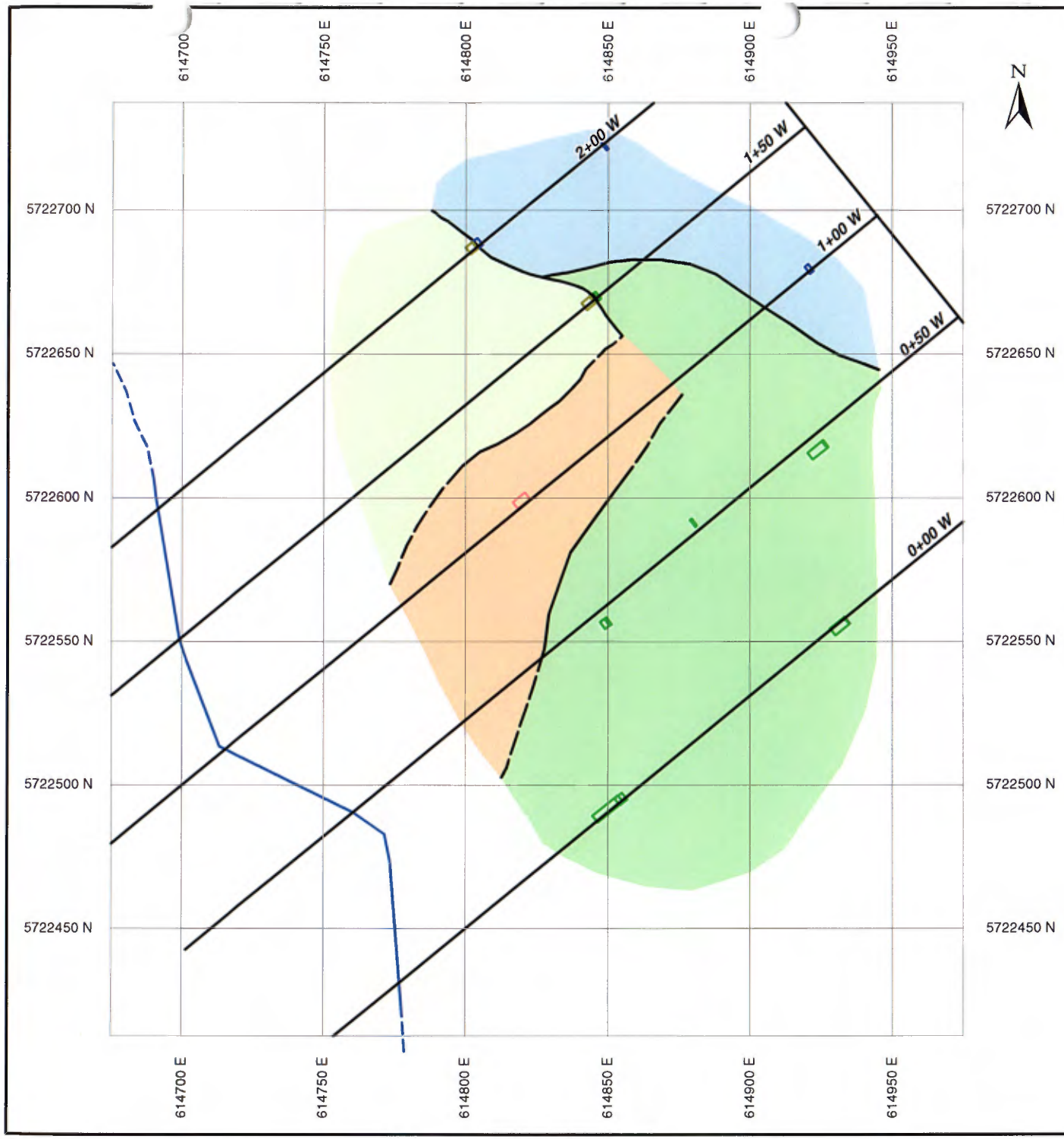
Scale	Date	Drawn by	Figure
As shown	April 2002	DBR	7.0



Rockwell Ventures Inc.
Haut Plateau Project

Barre de Fer
Drillhole Plan

Scale	Date	Drawn by	Figure
As shown	April 2002	DBR	7.1



Fault

Legend

- Norite (I3J)
- Peridotite (I4I)
- Olivine Gabbronorite (I3K)
- Paragneiss (M4)
- Mineralized Zone

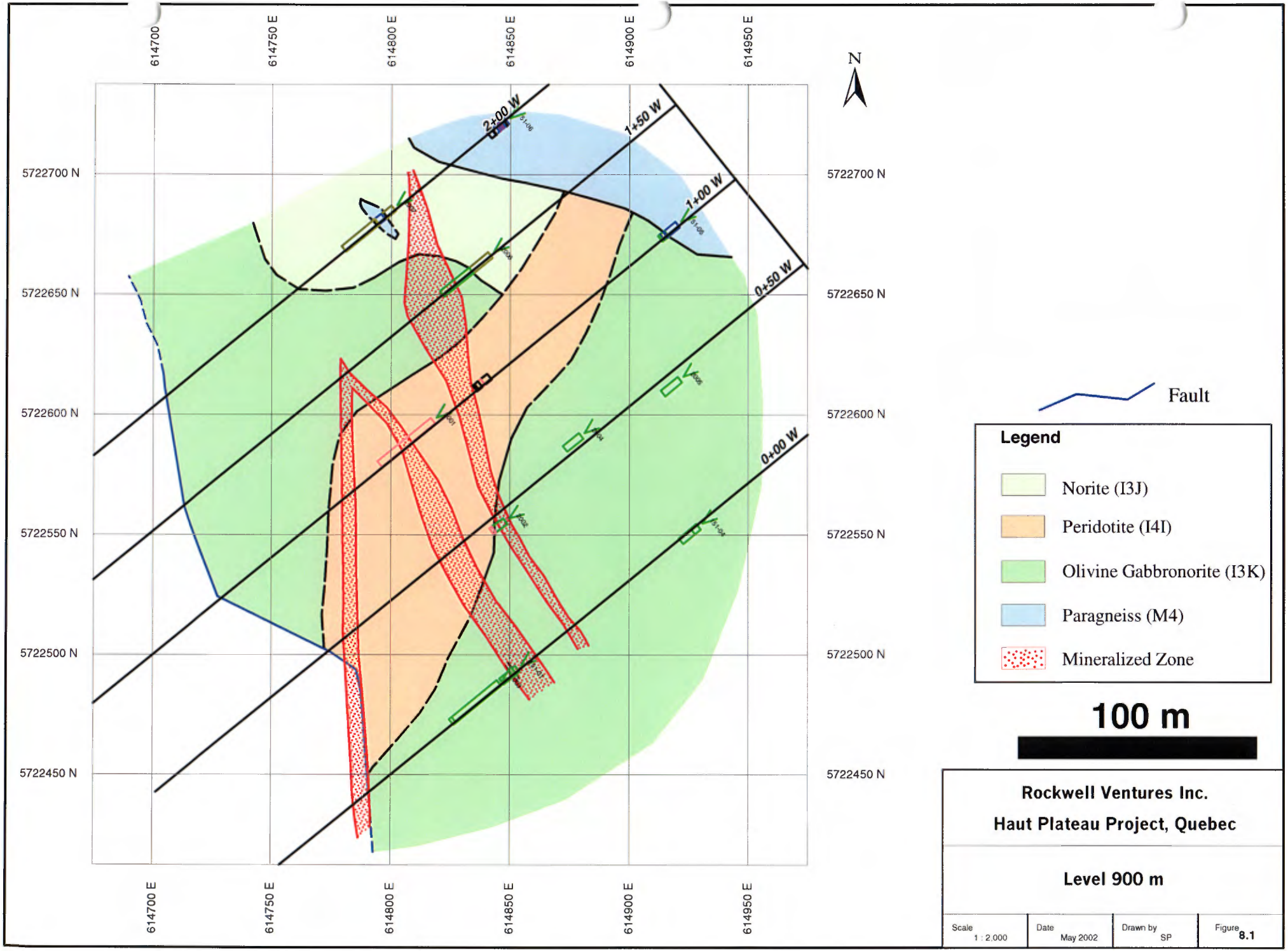
100 m

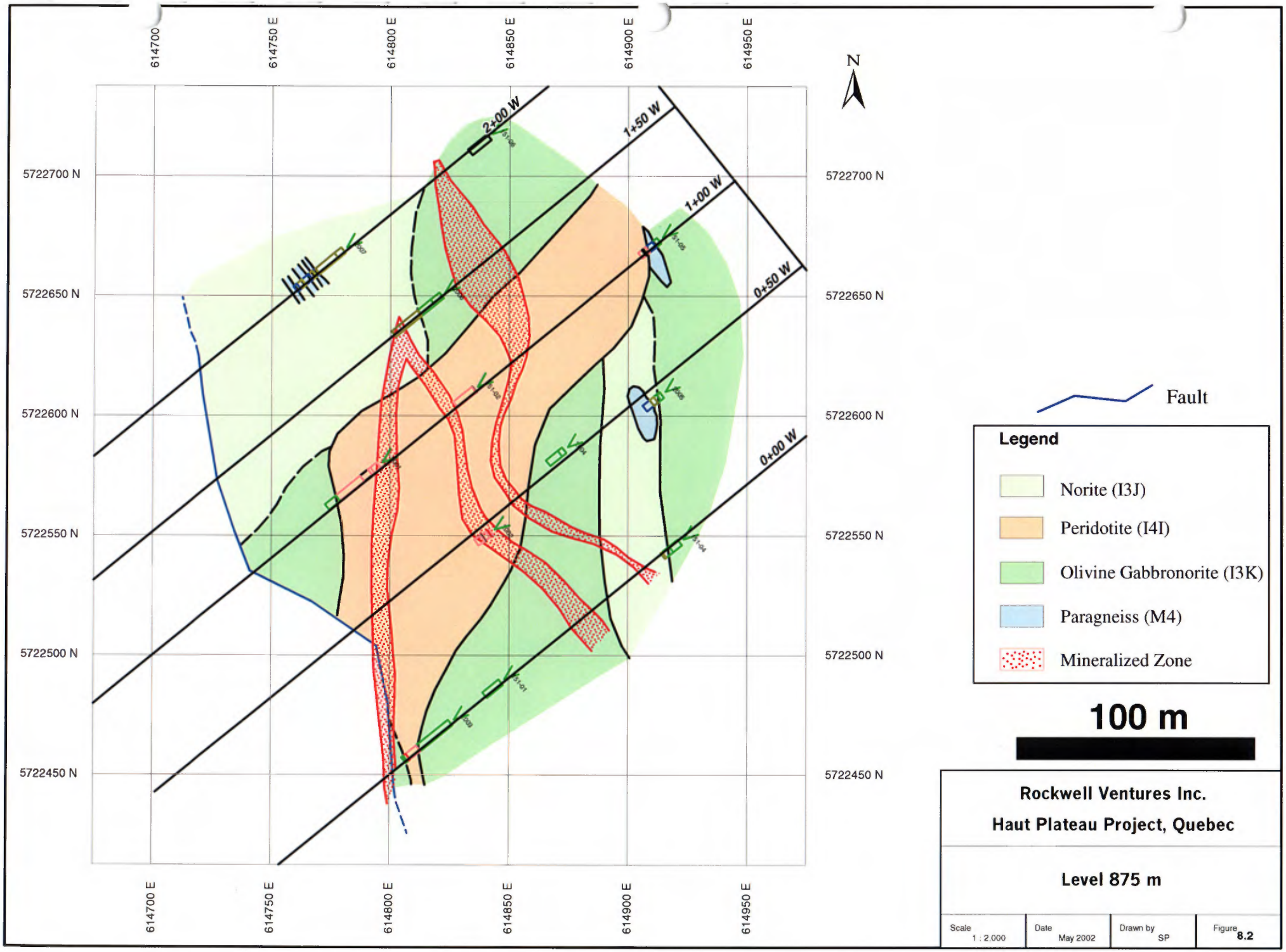
Rockwell Ventures Inc.

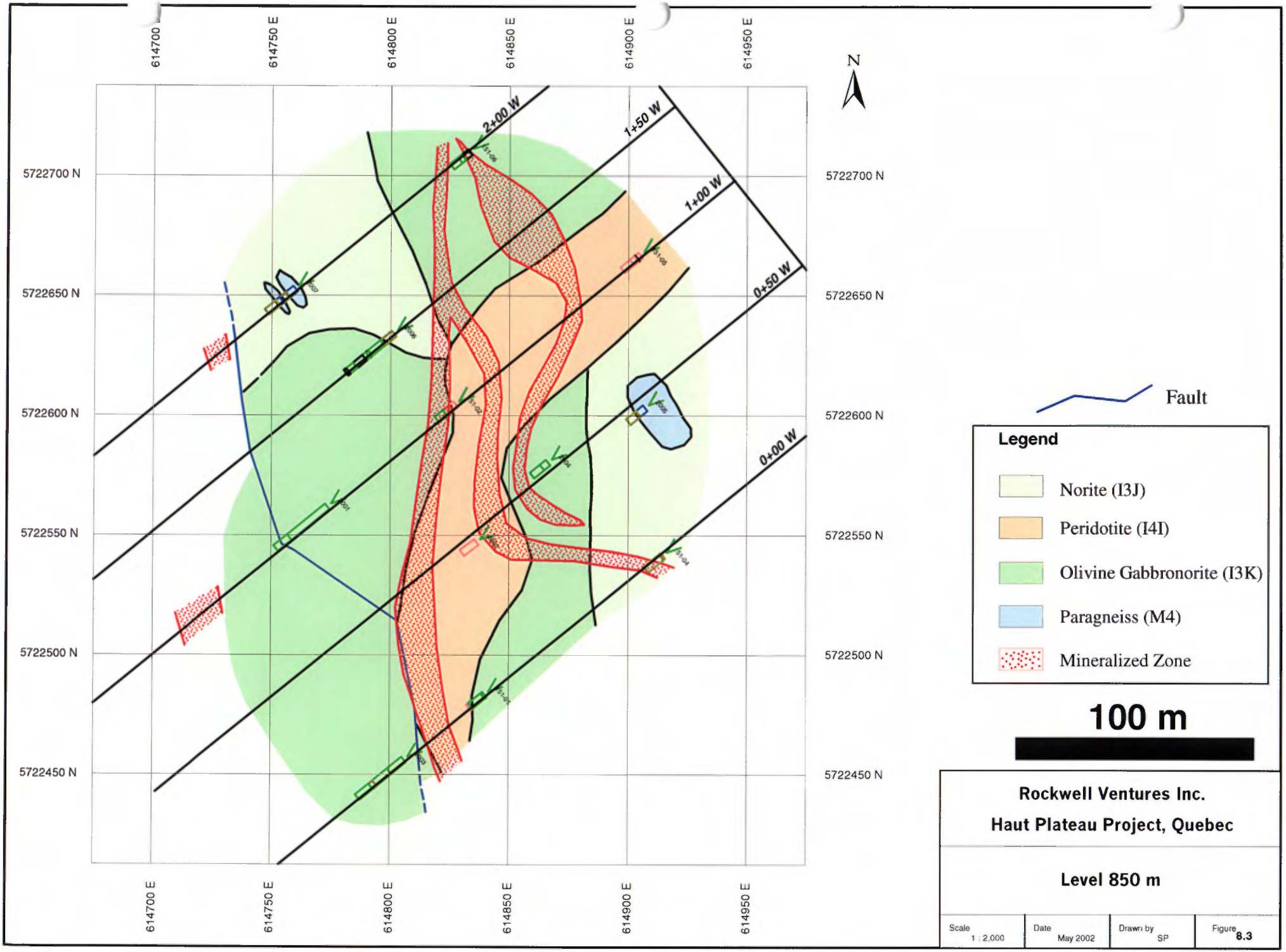
Haut Plateau Project, Quebec

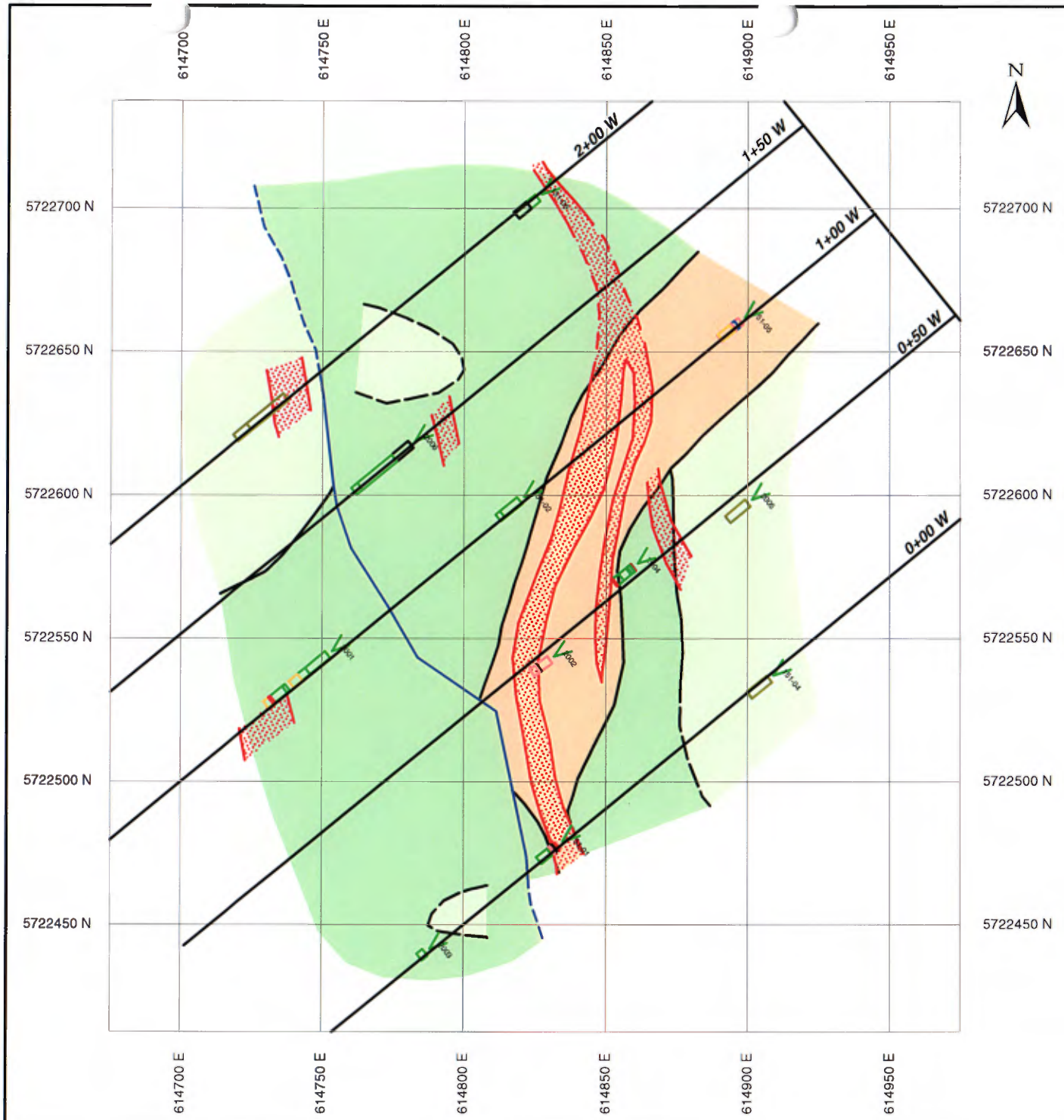
Level 925 m

Scale	Date	Drawn by	Figure
1 : 2,000	May 2002	SP	8.0


614700
614750 E
614800 E
614850 E
614900 E
614950 E
N
2+00 W
1+50 W
1+00 W
0+50 W
0+00 W
5722700 N
5722650 N
5722600 N
5722550 N
5722500 N
5722450 N
Fault
Legend
Norite (I3J)
Peridotite (I4I)
Olivine Gabbronorite (I3K)
Paragneiss (M4)
Mineralized Zone
100 m
Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Level 900 m
Scale 1 : 2,000
Date May 2002
Drawn by SP
Figure 8.1


614700
614750 E
614800 E
614850 E
614900 E
614950 E
N
2+00 W
1+50 W
1+00 W
0+50 W
0+00 W
5722700 N
5722650 N
5722600 N
5722550 N
5722500 N
5722450 N
Fault
Legend
Norite (I3J)
Peridotite (I4I)
Olivine Gabbronorite (I3K)
Paragneiss (M4)
Mineralized Zone
100 m
Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Level 875 m
Scale 1 : 2,000
Date May 2002
Drawn by SP
Figure 8.2


614700 E
614750 E
614800 E
614850 E
614900 E
614950 E
N
5722700 N
5722650 N
5722600 N
5722550 N
5722500 N
5722450 N
2+00 W
1+50 W
1+00 W
0+50 W
0+00 W
Fault
Legend
Norite (I3J)
Peridotite (I4I)
Olivine Gabbronorite (I3K)
Paragneiss (M4)
Mineralized Zone
100 m
Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Level 850 m
Scale 1 : 2,000
Date May 2002
Drawn by SP
Figure 8.3



Fault

Legend

- Norite (I3J)
- Peridotite (I4I)
- Olivine Gabbronorite (I3K)
- Paragneiss (M4)
- Mineralized Zone

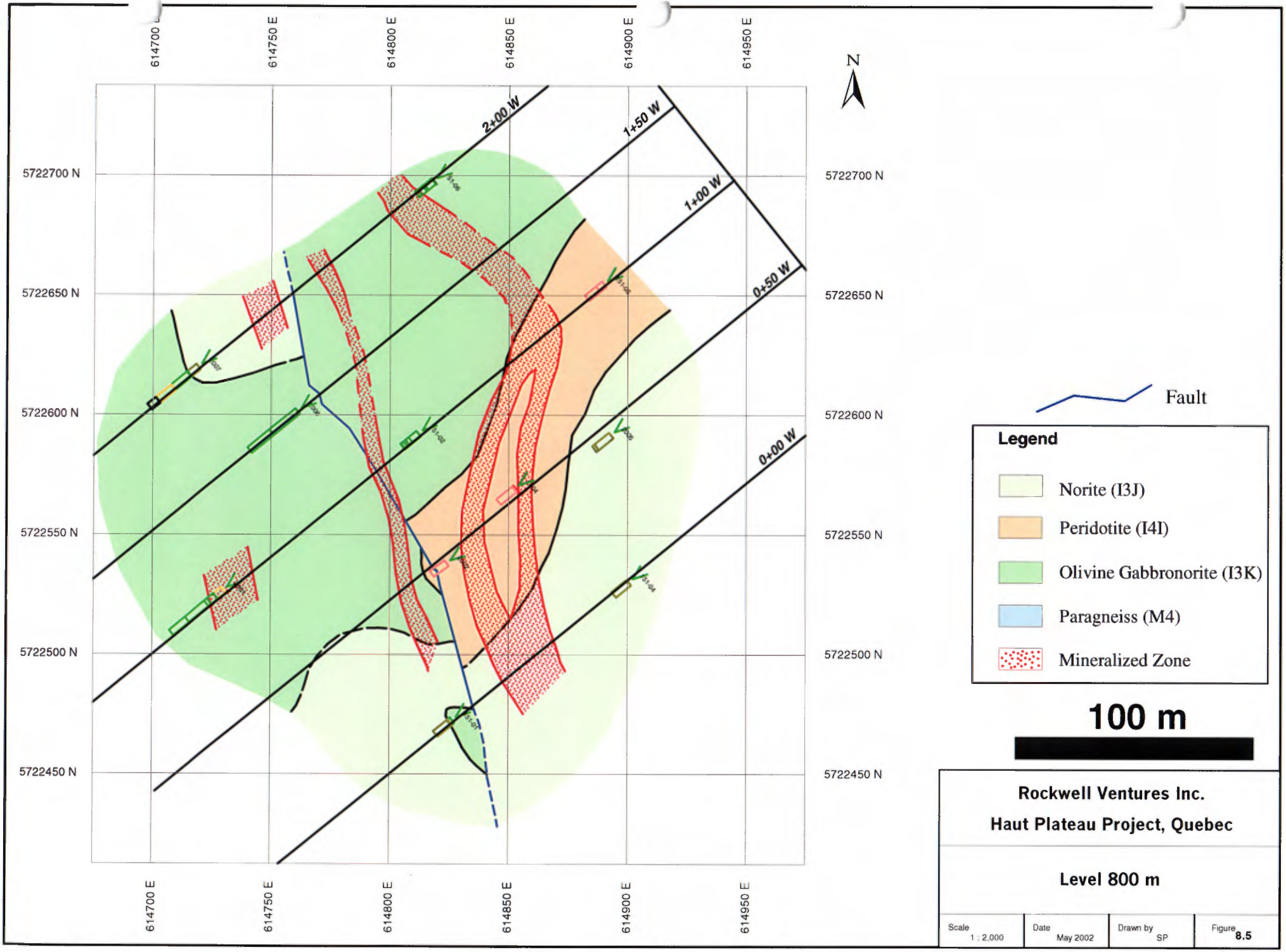
100 m

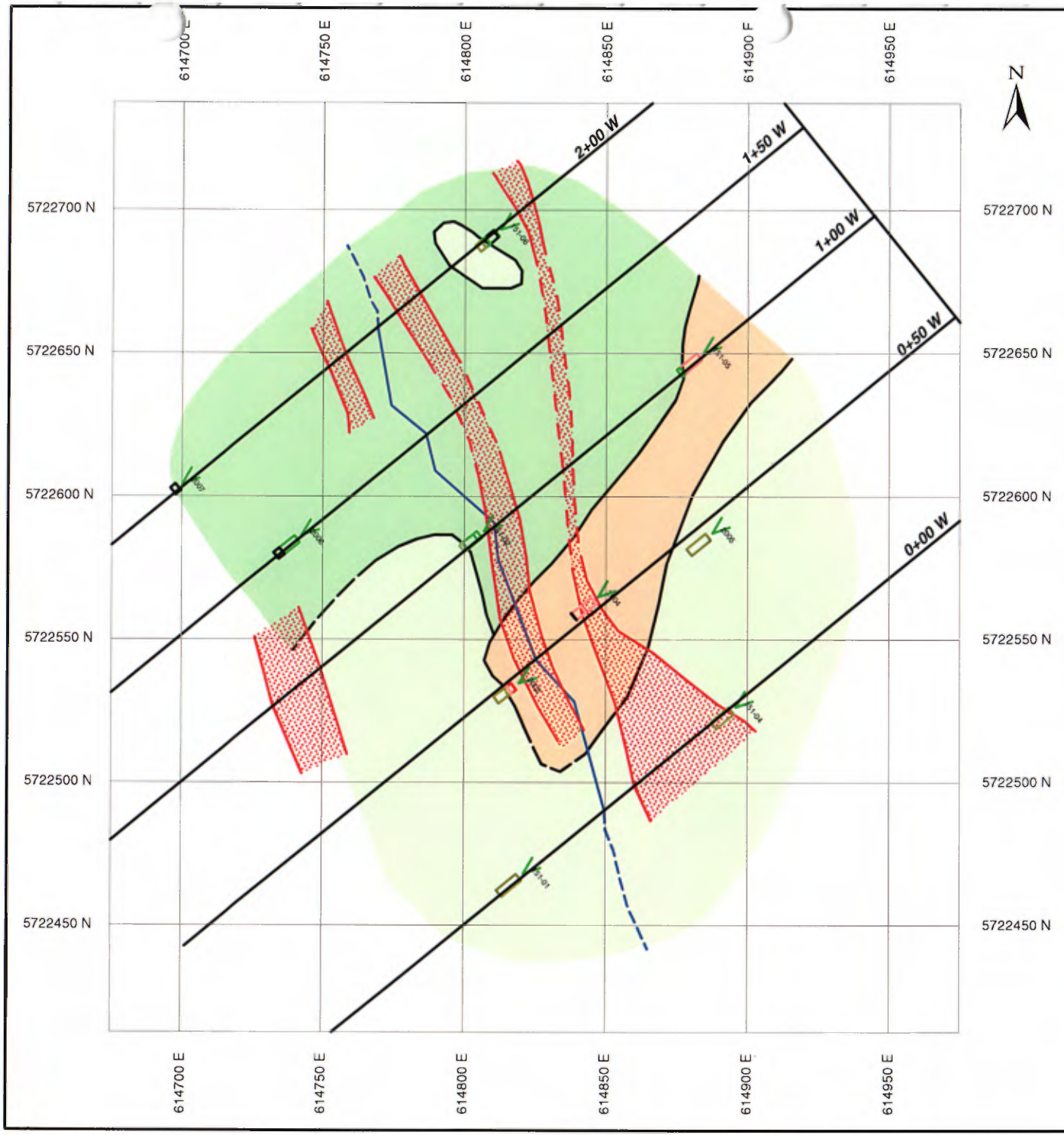
Rockwell Ventures Inc.

Haut Plateau Project, Quebec

Level 825 m

Scale	Date	Drawn by	Figure
1 : 2,000	May 2002	SP	8.4


614700 E
614750 E
614800 E
614850 E
614900 E
614950 E
N
2+00 W
1+50 W
1+00 W
0+50 W
0+00 W
5722700 N
5722650 N
5722600 N
5722550 N
5722500 N
5722450 N
Fault
Legend
Norite (I3J)
Peridotite (I4I)
Olivine Gabbronorite (I3K)
Paragneiss (M4)
Mineralized Zone
100 m
Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Level 800 m
Scale 1 : 2,000
Date May 2002
Drawn by SP
Figure 8.5



Fault

Legend

- Norite (I3J)
- Peridotite (I4I)
- Olivine Gabbronorite (I3K)
- Paragneiss (M4)
- Mineralized Zone

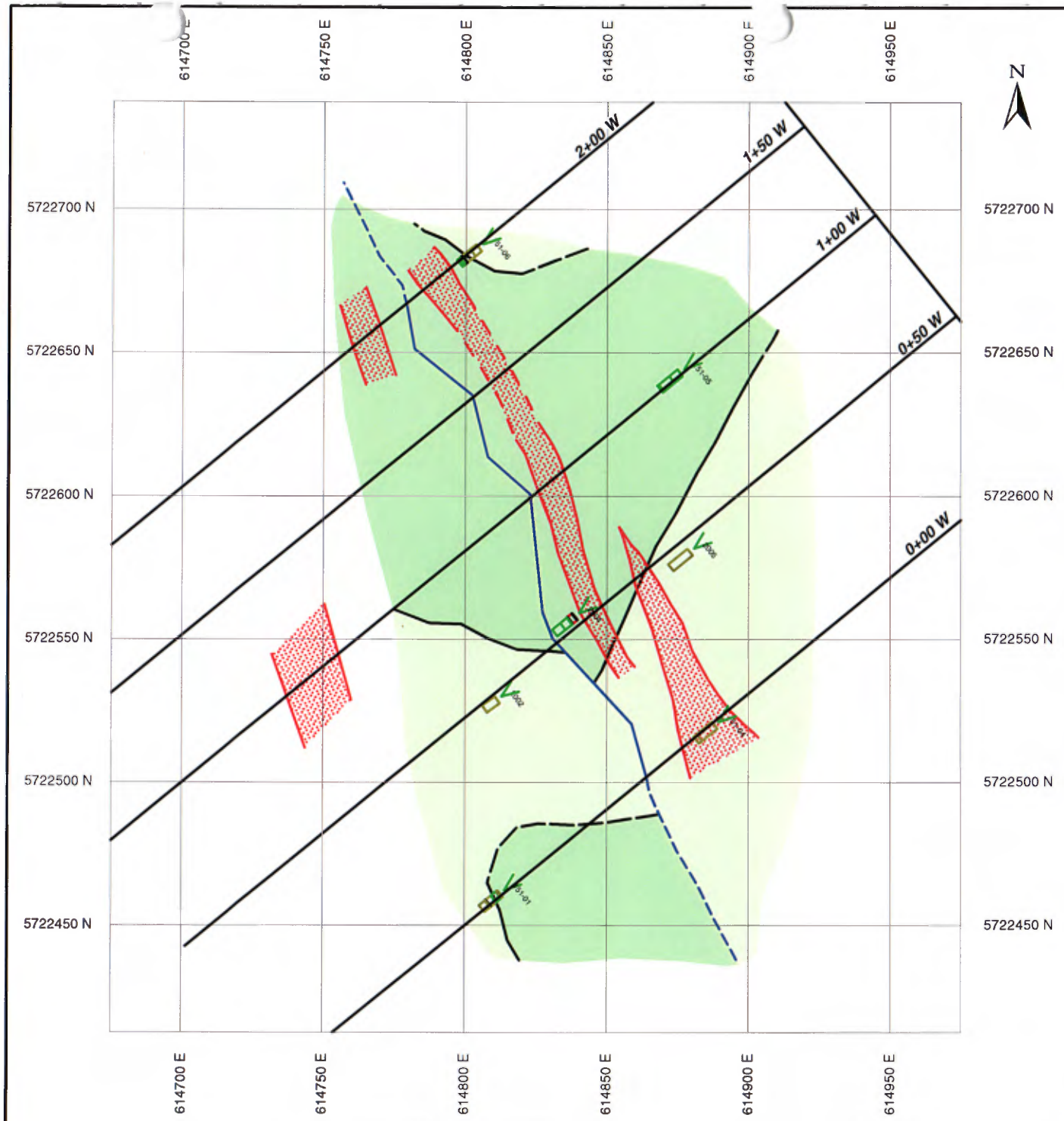
100 m

Rockwell Ventures Inc.

Haut Plateau Project, Quebec

Level 775 m

Scale	Date	Drawn by	Figure
1 : 2,000	May 2002	SP	8.6



Fault

Legend

- Norite (I3J)
- Peridotite (I4I)
- Olivine Gabbronorite (I3K)
- Paragneiss (M4)
- Mineralized Zone

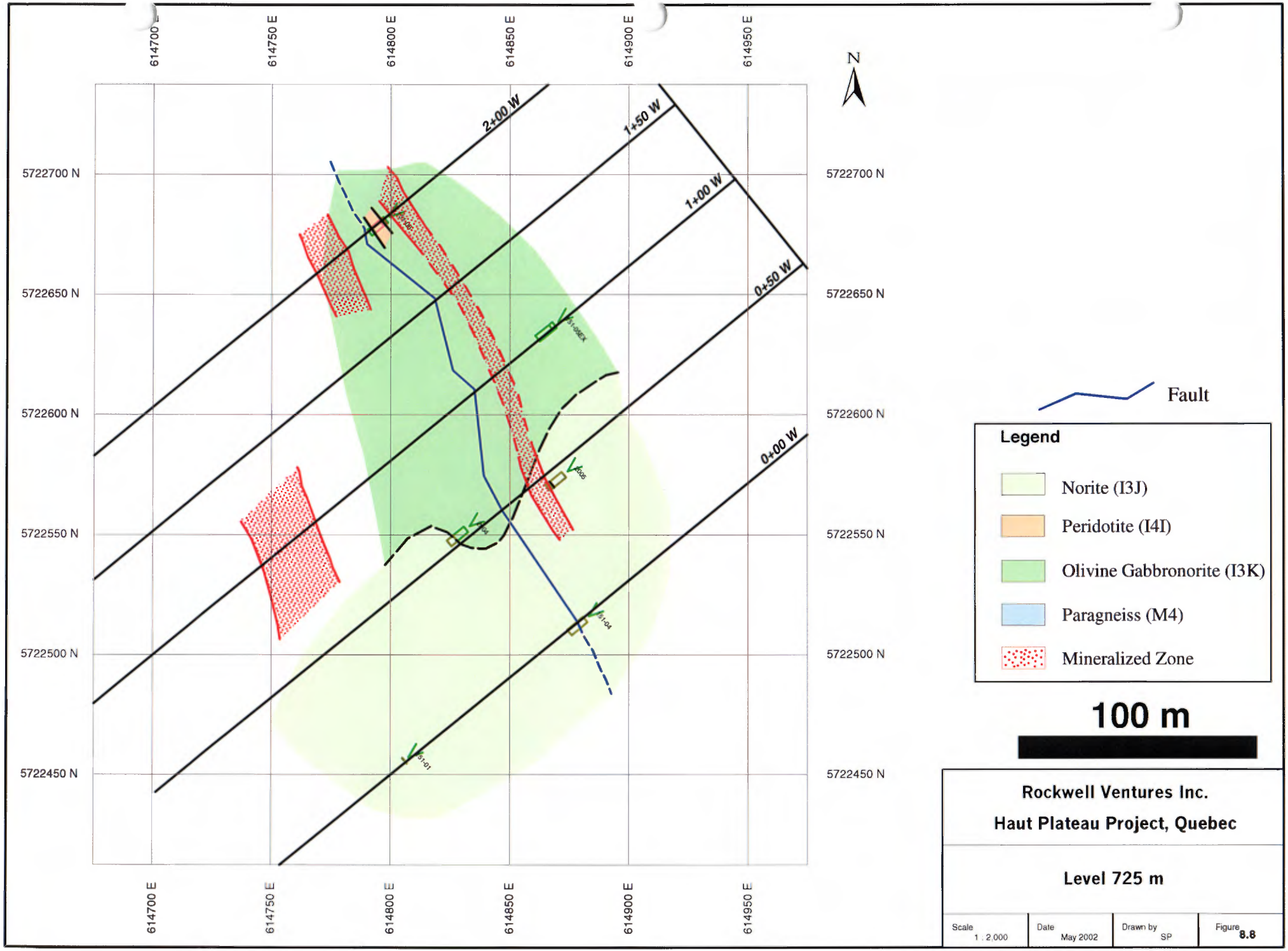
100 m

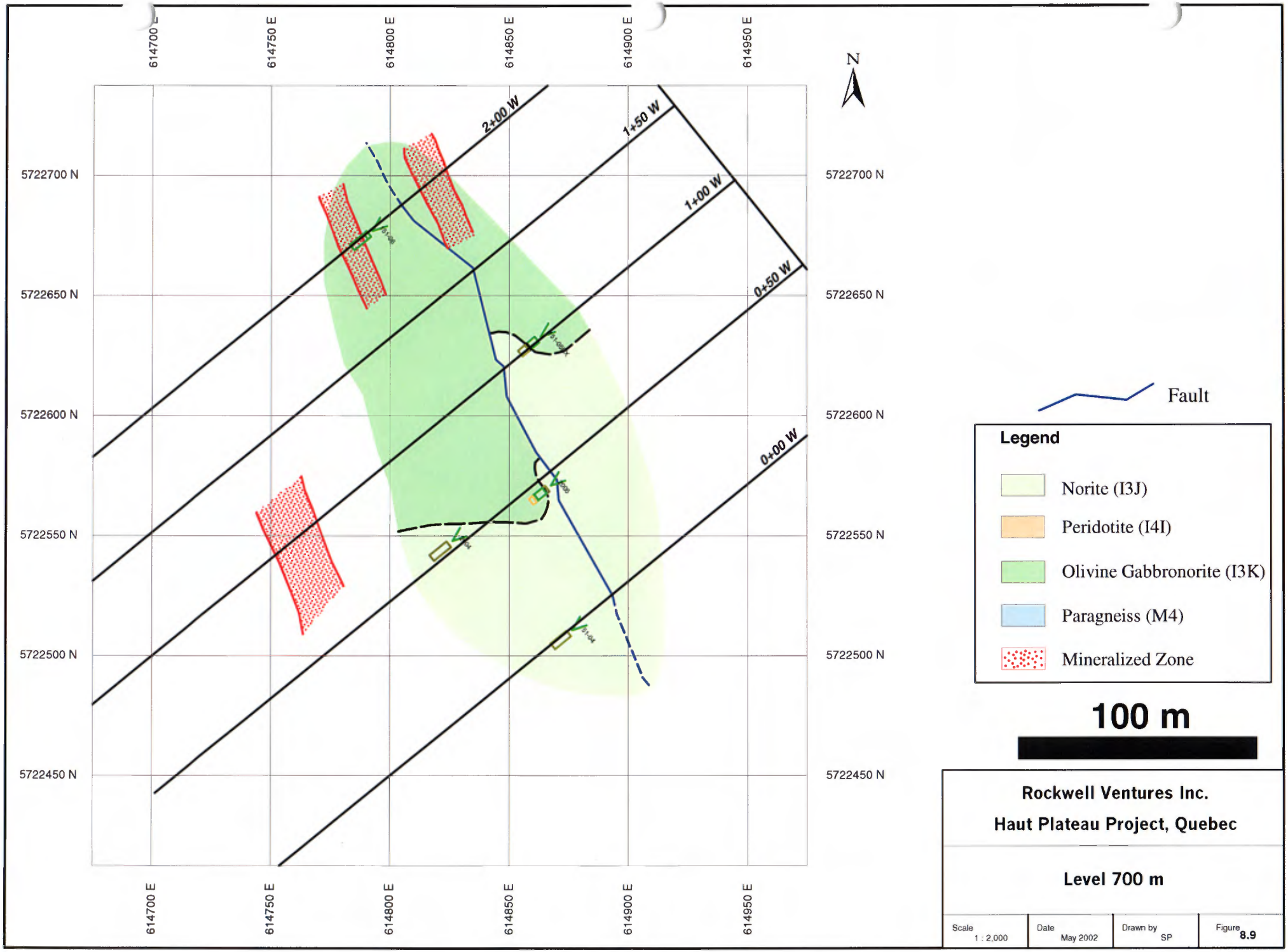
Rockwell Ventures Inc.

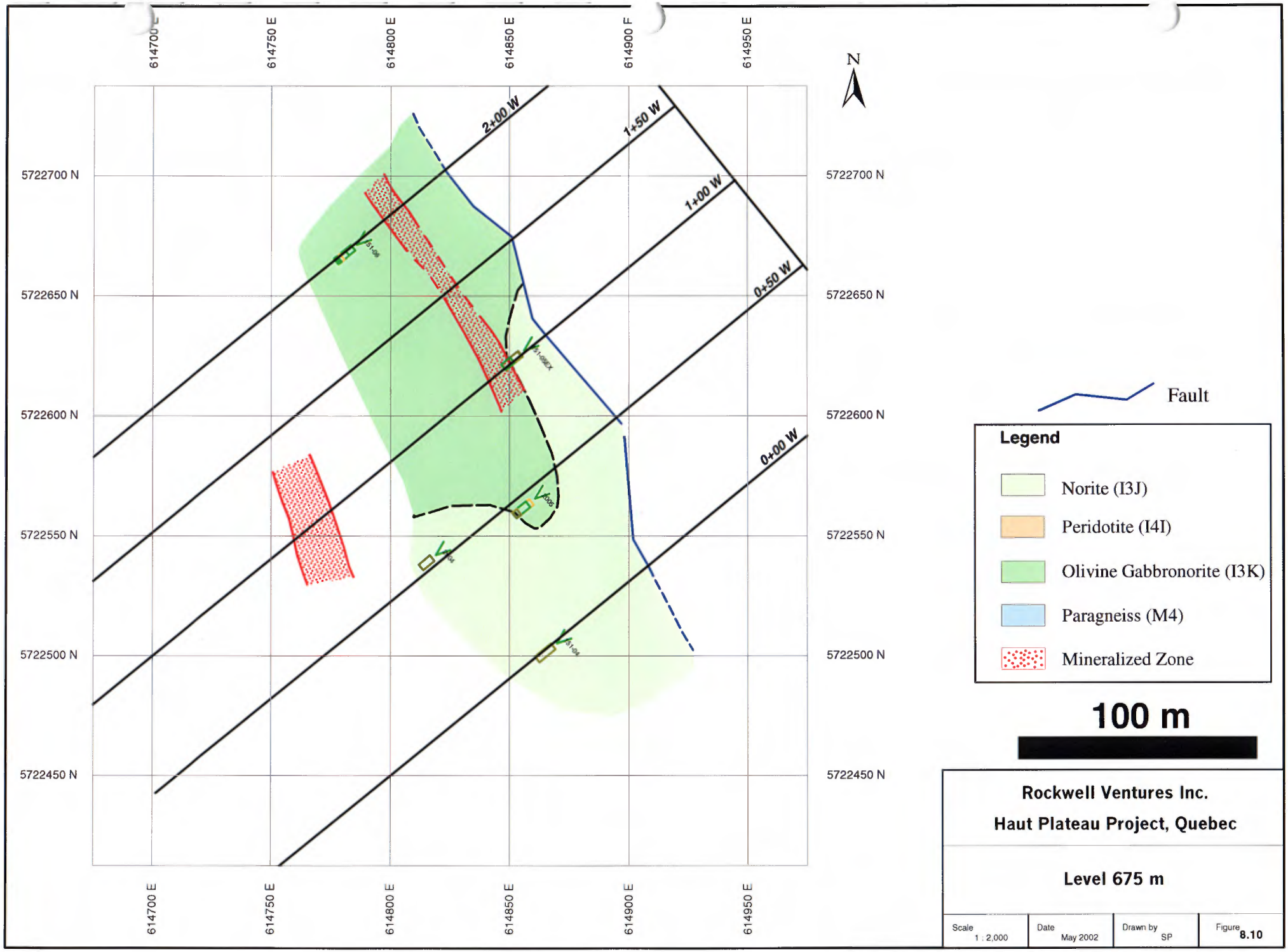
Haut Plateau Project, Quebec

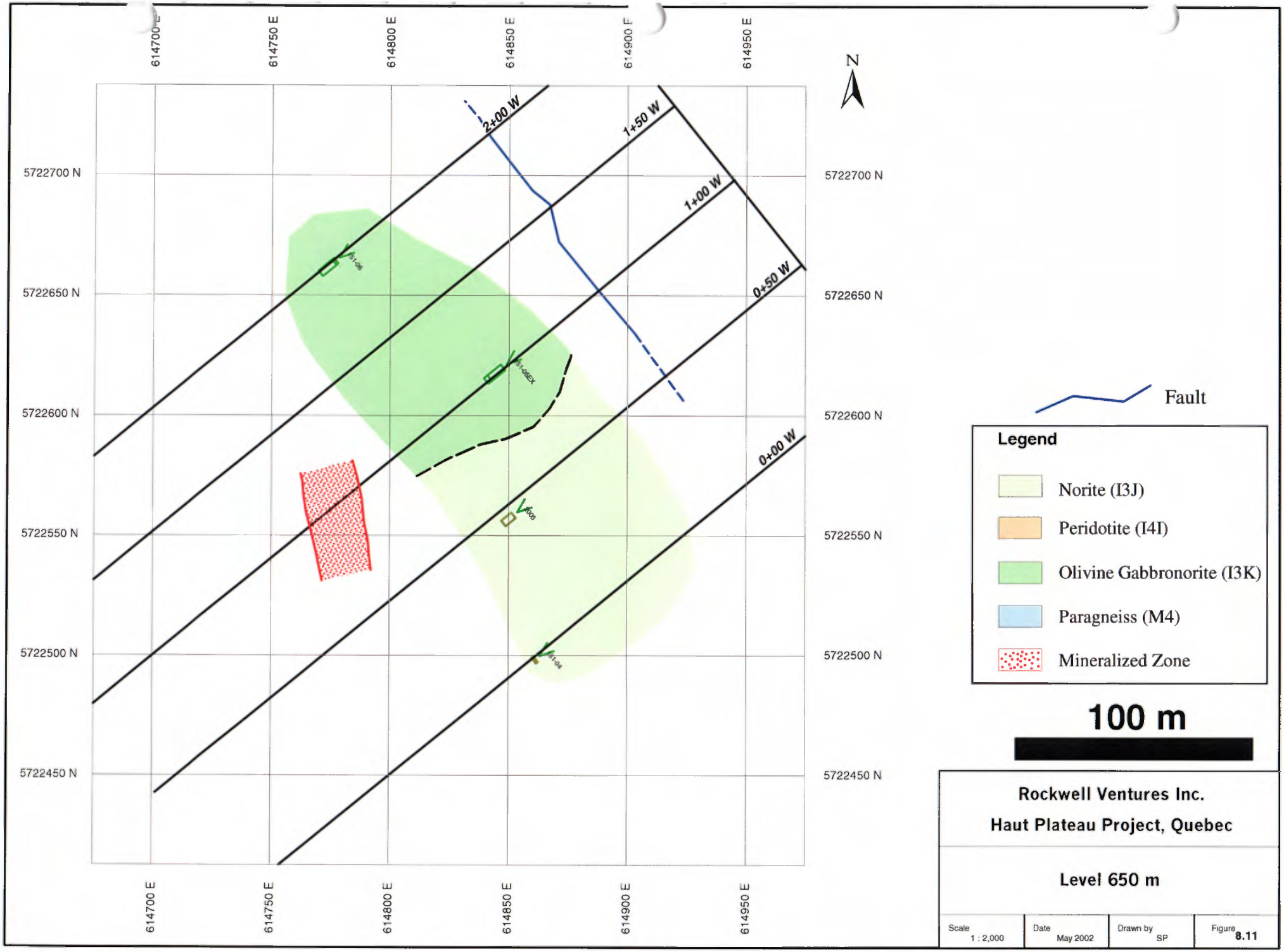
Level 750 m

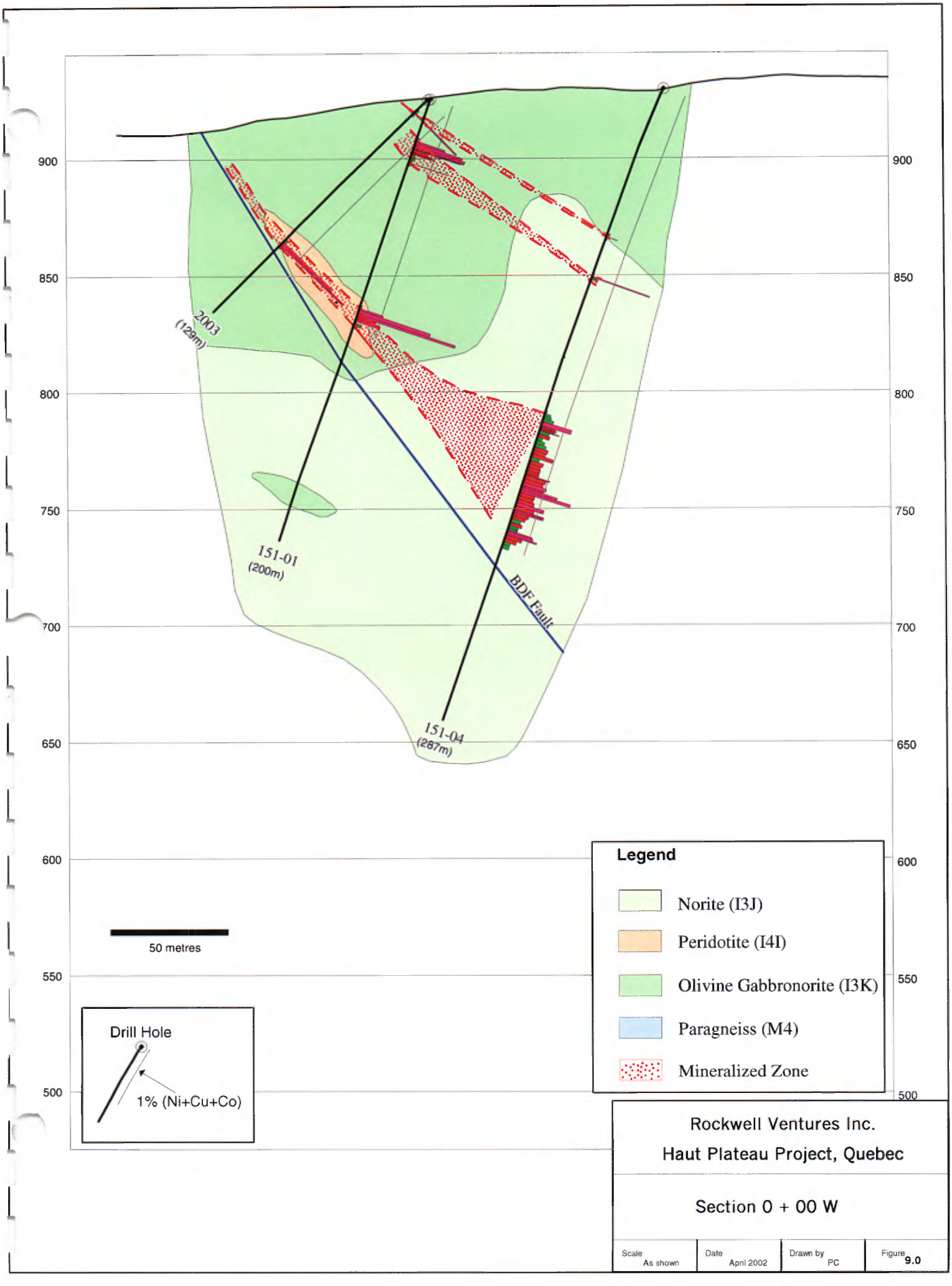
Scale	Date	Drawn by	Figure
1 : 2,000	May 2002	SP	8.7


614700 E
614750 E
614800 E
614850 E
614900 E
614950 E
N
2+00 W
1+50 W
1+00 W
0+50 W
0+00 W
5722700 N
5722650 N
5722600 N
5722550 N
5722500 N
5722450 N
Fault
Legend
Norite (I3J)
Peridotite (I4I)
Olivine Gabbronorite (I3K)
Paragneiss (M4)
Mineralized Zone
100 m
Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Level 725 m
Scale 1 : 2,000
Date May 2002
Drawn by SP
Figure 8.8


614700 E
614750 E
614800 E
614850 E
614900 E
614950 E
N
2+00 W
1+50 W
1+00 W
0+50 W
0+00 W
5722700 N
5722650 N
5722600 N
5722550 N
5722500 N
5722450 N
Fault
Legend
Norite (I3J)
Peridotite (I4I)
Olivine Gabbronorite (I3K)
Paragneiss (M4)
Mineralized Zone
100 m
Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Level 700 m
Scale 1 : 2,000
Date May 2002
Drawn by SP
Figure 8.9


614700 E
614750 E
614800 E
614850 E
614900 E
614950 E
N
2+00 W
1+50 W
1+00 W
0+50 W
0+00 W
5722700 N
5722650 N
5722600 N
5722550 N
5722500 N
5722450 N
Fault
Legend
Norite (I3J)
Peridotite (I4I)
Olivine Gabbronorite (I3K)
Paragneiss (M4)
Mineralized Zone
100 m
Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Level 675 m
Scale 1 : 2,000
Date May 2002
Drawn by SP
Figure 8.10


614700 E
614750 E
614800 E
614850 E
614900 E
614950 E
N
2+00 W
1+50 W
1+00 W
0+50 W
0+00 W
5722700 N
5722650 N
5722600 N
5722550 N
5722500 N
5722450 N
Fault
Legend
Norite (I3J)
Peridotite (I4I)
Olivine Gabbronorite (I3K)
Paragneiss (M4)
Mineralized Zone
100 m
Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Level 650 m
Scale 1 : 2,000
Date May 2002
Drawn by SP
Figure 8.11

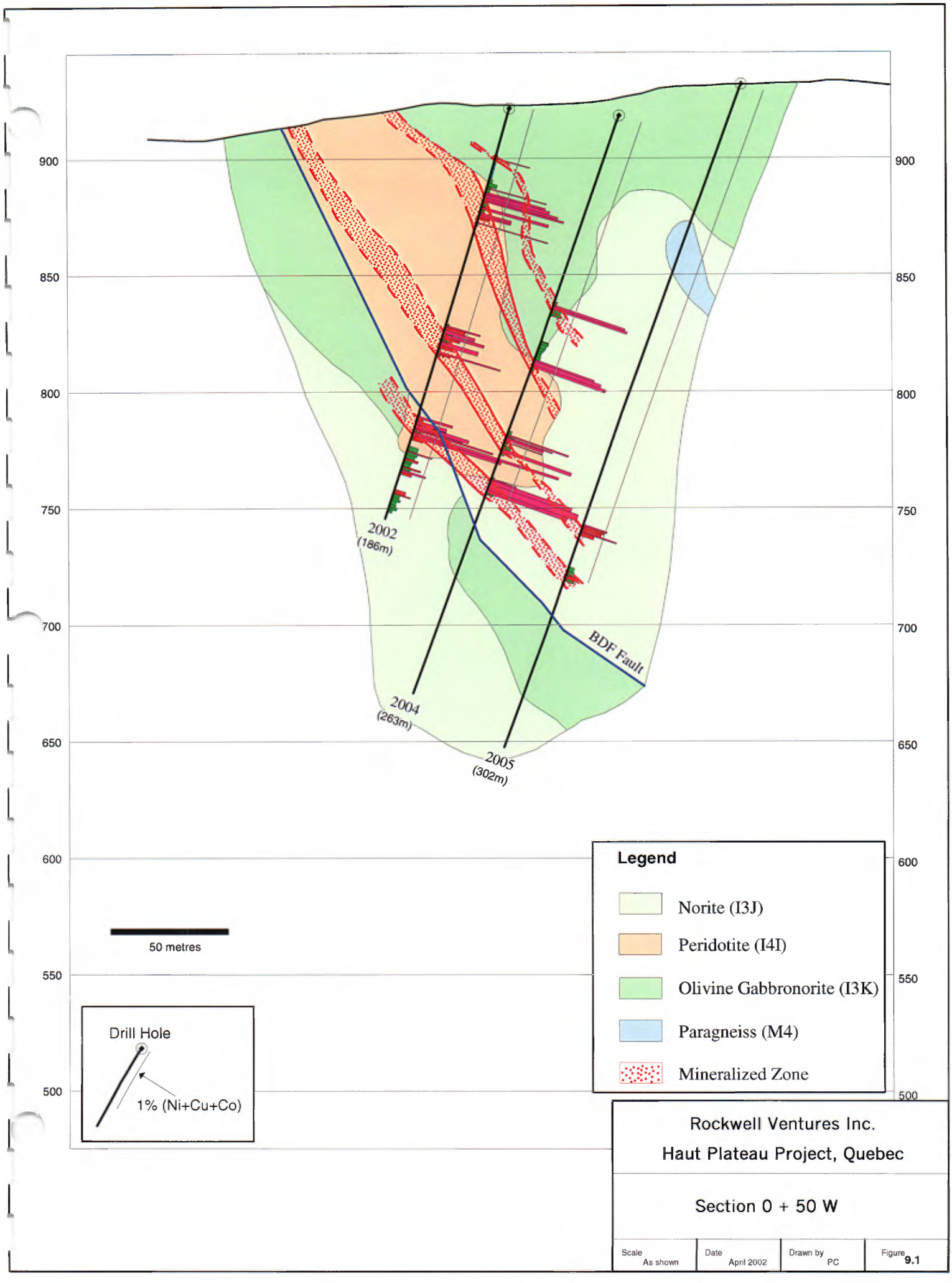


Rockwell Ventures Inc.

Haut Plateau Project, Quebec

Section 0 + 00 W

Scale	Date	Drawn by	Figure
As shown	April 2002	PC	9.0

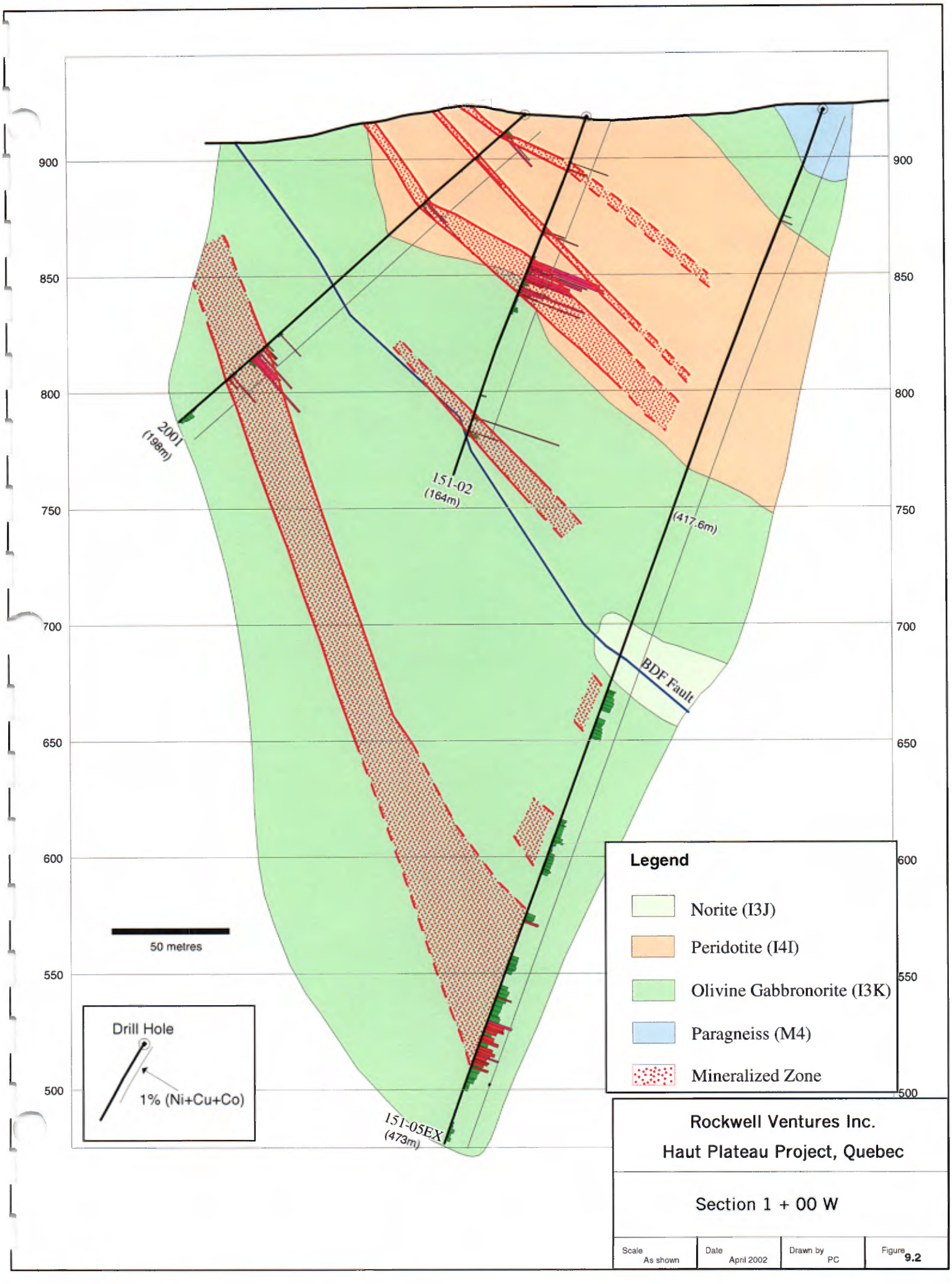


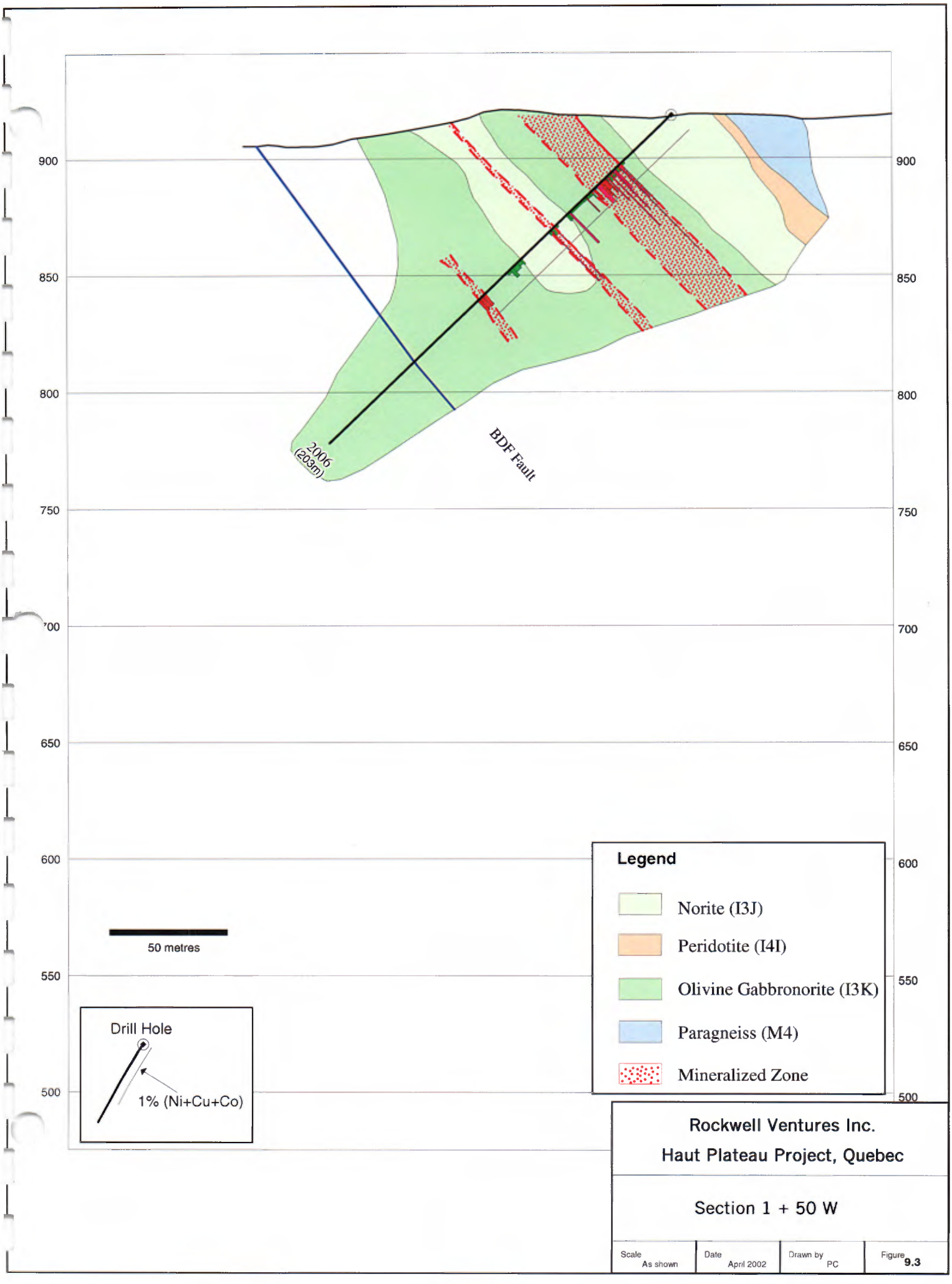
Rockwell Ventures Inc.

Haut Plateau Project, Quebec

Section 0 + 50 W

Scale	Date	Drawn by	Figure
As shown	April 2002	PC	9.1


900
850
800
750
700
650
600
550
500
2001
(198m)
151-02
(164m)
(417.6m)
BDF Fault
151-05EX
(473m)
50 metres
Drill Hole
1% (Ni+Cu+Co)
Legend
Norite (I3J)
Peridotite (I4I)
Olivine Gabbronorite (I3K)
Paragneiss (M4)
Mineralized Zone
Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Section 1 + 00 W
Scale As shown
Date April 2002
Drawn by PC
Figure 9.2

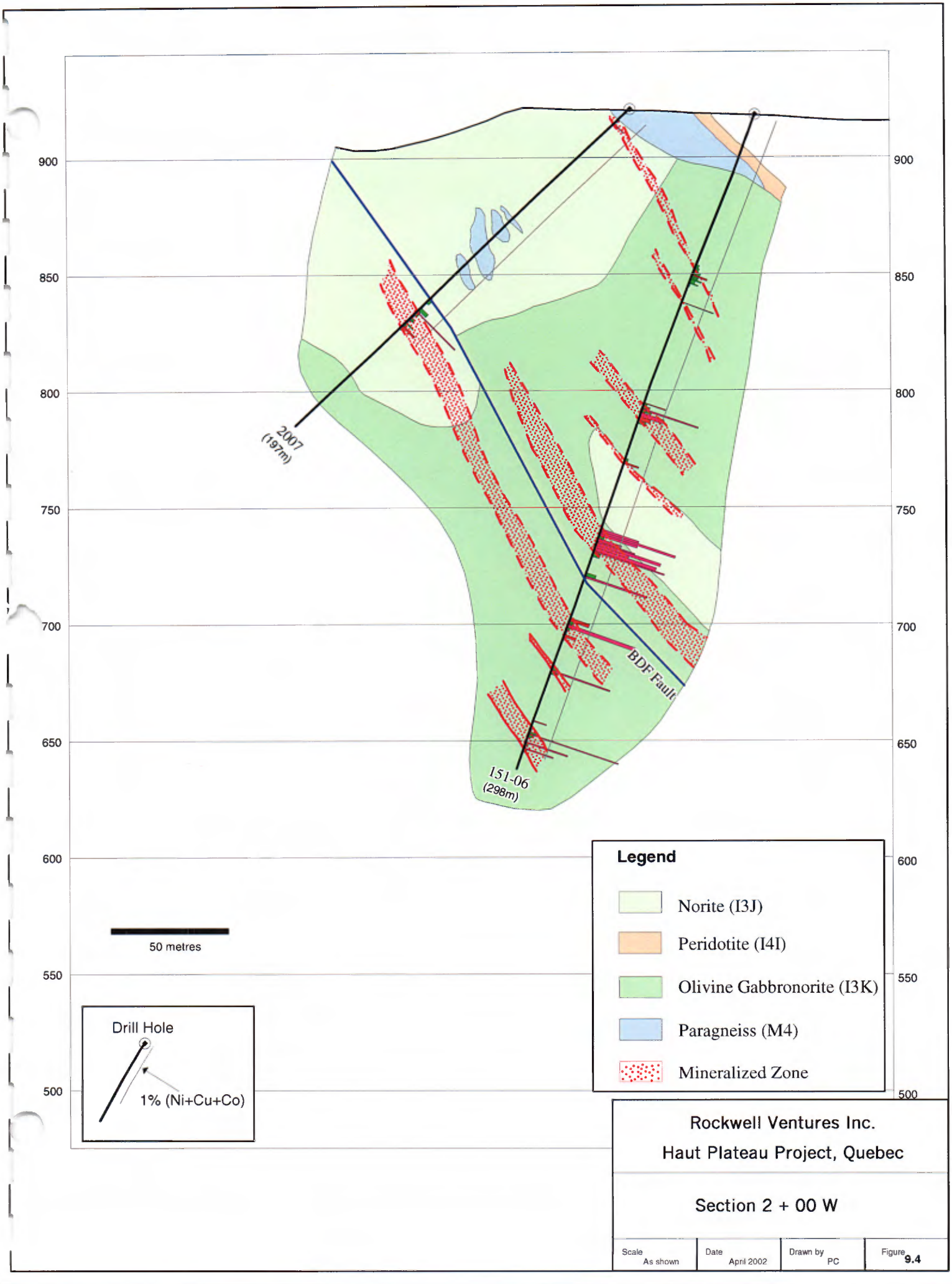


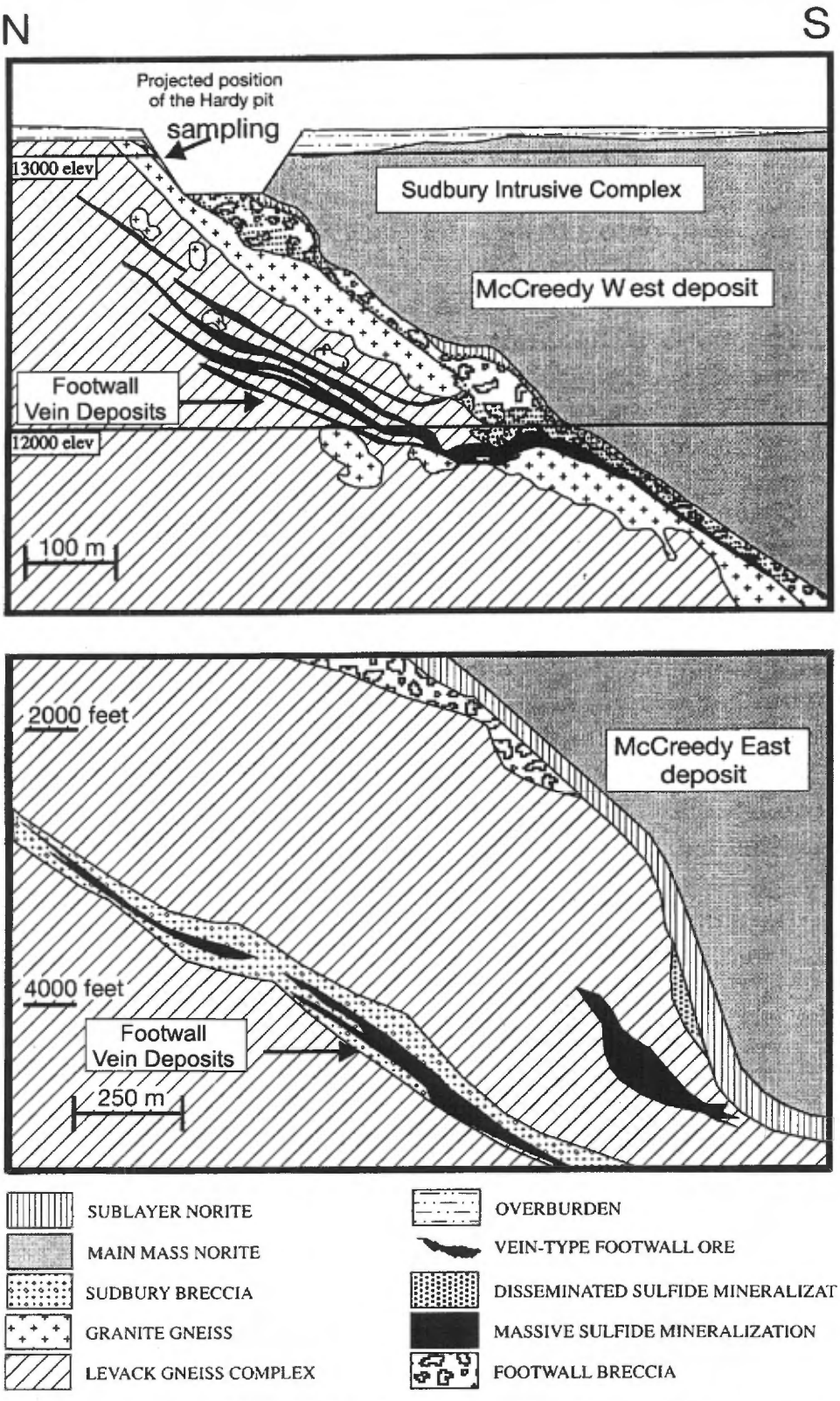
Rockwell Ventures Inc.

Haut Plateau Project, Quebec

Section 1 + 50 W

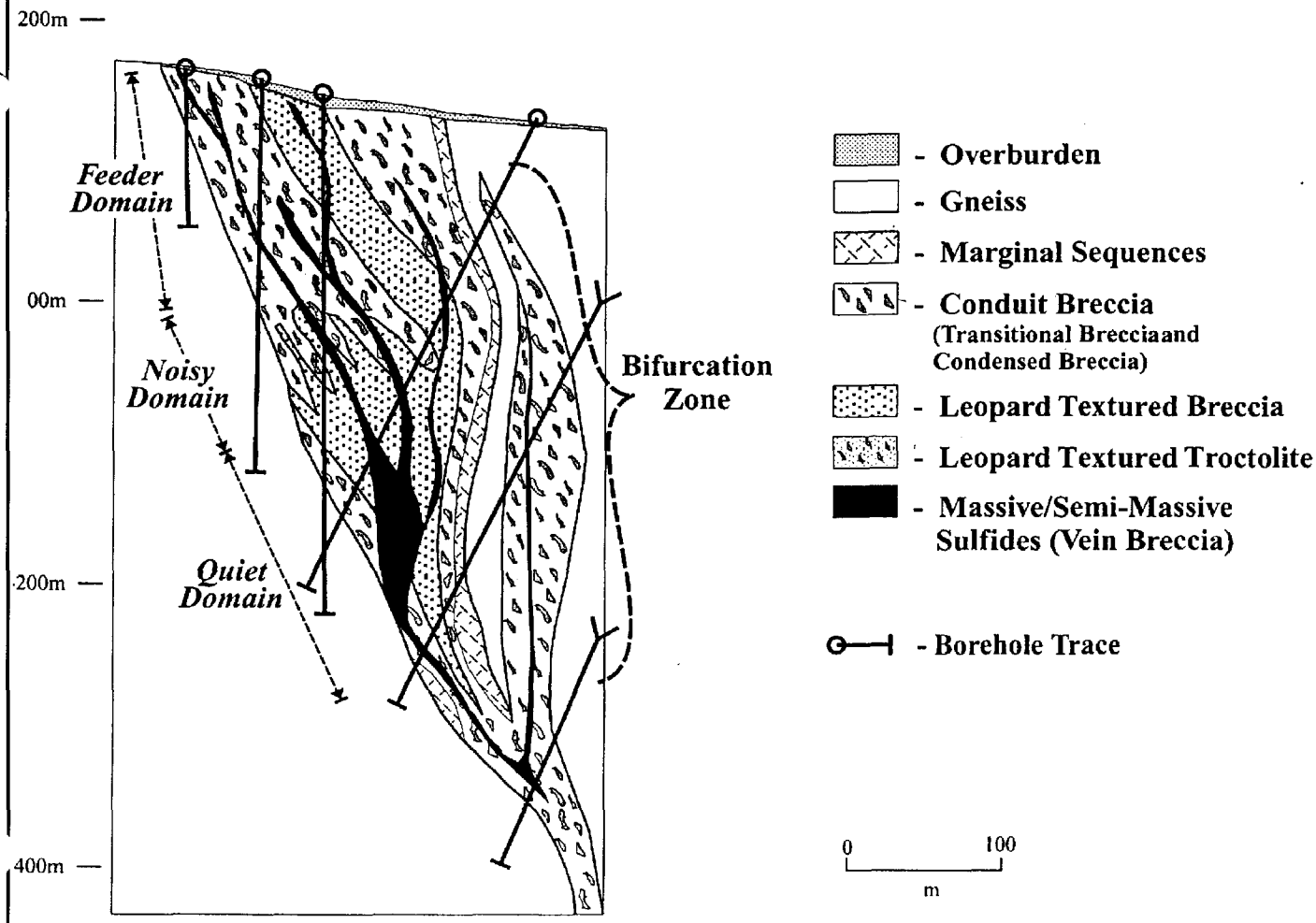
Scale	Date	Drawn by	Figure
As shown	April 2002	PC	9.3


900
850
800
750
700
650
600
550
500
2007
(197m)
151-06
(298m)
BDF Fault
50 metres
Drill Hole
1% (Ni+Cu+Co)
Legend
Norite (I3J)
Peridotite (I4I)
Olivine Gabbronorite (I3K)
Paragneiss (M4)
Mineralized Zone
Rockwell Ventures Inc.
Haut Plateau Project, Quebec
Section 2 + 00 W
Scale
As shown
Date
April 2002
Drawn by
PC
Figure
9.4



Sections from the McCreedy West and McCreedy East mines, North Range, Sudbury structure. Figure is modified from Everest (1999) and Jago et al. (1994).

Rockwell Ventures Inc. Haut Plateau Project			
Footwall Vein Deposits Sudbury Intrusive Complex			
Scale As shown	Date April 2002	Drawn by DBR	Figure 10



Detailed west-facing geologic section through the Discovery Hill zone. The section documents the transition from the Feeder domain to the Noisy domain. The domains contain sulfide and silicate textures associated with sulfide-poor and sulfide-rich pulses, respectively, emplaced during a single magmatic event. The bifurcation zone represents a splay within the Ovoid conduit and is interpreted to be coincident with a structural discontinuity. Through the process of stoping, these splays, over time, may merge to create a widening in the conduit.

Rockwell Ventures Inc. Haut Plateau Project			
Bifurcation of Sulphide Veins Voisey's Bay District			
Scale As shown	Date April 2002	Drawn by DBR	Figure 11

PLATES

LIST OF PLATES

Plate 1 Haut Plateau looking south-southeast across Petite Lac Manicouagan. The QCM Railway in the foreground passes within 10 km of the Barre de Fer Zone. Tundra type vegetation characterizes the plateau and taiga type vegetation occurs in the valley bottoms.

Plate 2 Barre de Fer Zone looking east-southeast. The Haut Plateau is characterized by numerous small lakes, swamps and is dissected by numerous linear drainages.

Plate 3 Secure core processing facility at drill camp at roads end at Petite Lac Manicouagan.

Plate 4 Indoor core logging area.

Plate 5 Sampled diamond saw cut BQ diamond drill core. Sample intervals marked by white assay tags.

Plate 6 Core Laid out for geological correlation between drill holes.

Plate 7 Biotite quartz feldspar paragneiss, with typical gneissic banding (hole 151-05 @ 10 m). Disseminated pyrite is common in the paragneiss and is rare in mafic-ultramafic units.

Plate 8 Black spotted, strongly magnetic, medium to coarsed-grained, intergranular, gray-green olivine gabbronorite (hole 2006 @ 191.5 m).

Plate 9 Moderately magnetic, fine to medium-grained, intergranular, gray-green, Ti-rich olivine gabbronorite (hole 2006 @ 177 m).

Plate 10 Weakly magnetic, medium to coarse-grained, intergranular, gray-bluish olivine gabbronorite (hole 2006 @ 37.5 m).

Plate 11 Weakly magnetic, medium to coarse-grained, intergranular, creamy green olivine gabbronorite (hole 2006 @ 82.5 m).

Plate 12 Strongly magnetic, course-grained, dark green, serpentinized peridotite (hole 2004 @ 136 m).

Plate 13 Moderate development of foliation in serpentinized peridotite is apparent on the reverse side of sample in plate 12 (hole 2004 @ 136 m).

Plate 14 Weakly foliated, nonmagnetic, fine grained, intergranular bluish norite(hole 2005 @ 131.5 m).

Plate 15 Potassium feldspar-rich margin of a tonalitic pegmatite (hole 2002 @ 163 m).

Plate 16 Accessory biotite and hornblende at the margin of a tonolitic pegmatite. Intergranular pyrrhotite (Po) and chalcopyrite (Cp) invading the pegmatite (hole 2002 @ 176 m).

Plate 17 Accessory garnets in graphic pegmatite (hole 151-05 @ 407.5 m).

Plate 18 Graphic intergrowths of quartz and feldspar in pegmatite (hole 2002 @ 51.8 m).

Plate 19 Graphic intergrowths of quartz and feldspar in pegmatite (hole 2004 @ 91 m).

Plate 20 Garnets (Gr) formed in wall rock at pegmatite contacts and in xenoliths (hole 2006 @ 66.7 m).

Plate 21 Pegmatitic plagioclase laths up to 3 cm in length are contained in a sulphide matrix at the contact of a massive sulphide vein within olivine gabbronorite (hole 2002 @ 245 m).

Plate 22 Massive sulphide breccia vein at gabbronorite contact displaying well rounded to angular clasts. Brittle fractures in clasts filled with pyrrhotite (Po) and chalcopyrite (Co). Note the intense alteration rims on clast margins on right side are in turn rimmed by chalcopyrite (hole 151-02 @ 78.5 m).

Plate 23 Massive sulphide breccia vein with high clast density where clast boundaries range from sharp to highly corroded. Abundant chalcopyrite has accumulated near the vein boundary (hole 151-02 @ 71.9 m).

Plate 24 Massive sulphide breccia vein with high clast density. Large clasts have sharp boundaries or minor sulphide replacement or alteration (hole 151-02 @ 72.1

Plate 25 Phenocrysts of hornblende (?) altered to chlorite are common in the massive sulphide and appear to have formed in-situ. Large wispy accumulations and fracture fillings of chalcopyrite are common near vein margins (hole 2002 @ 147.2 m).

Plate 26 Massive sulphide breccia vein contacts are variably replaced, corroded or sharp and are commonly chalcopyrite enriched (hole 2006 @ 41.8 m).

Plate 27 Corroded/replaced clast and vein margin (hole 2006 @ 44.3).

Plate 28 Alteration selvage of biotite, and/or chlorite, muscovite, and calcite at massive sulphide breccia vein contact (hole 2004 @ 152 m).

Plate 29 Some vein selvages have distinct millimetre scale banding of biotite and calcite over 2 to 15 cm (hole 2002 @ 176.4 m).

Plate 30 Garnets replace some clasts in the massive sulphide breccia veins (hole 2006 @ 70.4 m).

Plate 31 In the massive sulphide breccia veins chalcopyrite occurs as fine disseminations in the pyrrhotite dominated groundmass, as late cross-cutting wispy masses and as millimetre to sub-millimetre veinlets cutting the massive sulphide and the immediately adjacent wall rock (hole 2002 @ 148.1m).

Plate 32 Chalcopyrite dominate veins, generally less than 5 cm thick occur in proximity to the main veins (hole 2002 @ 140.6 m

Plate 33 Centimetre thick chalcopyrite dominant veins generally occur only within 3 m of the massive sulphide breccia veins. These veins are cut by late calcite veinlets (hole 2004 @ 147 m).

Plate 34 Many of the narrow, chalcopyrite-rich veins also display breccia textures identical to the large massive sulphide breccia veins (hole 2006 @ 32.1 m).

Plate 35 Disseminated and net textured pyrrhotite and chalcopyrite coalesce into a centimetre thick sulphide vein in norite (hole 151-04 @ 201 m). This small-scale feature mimics and clearly illustrates the formation of the large-scale massive sulphide veins.

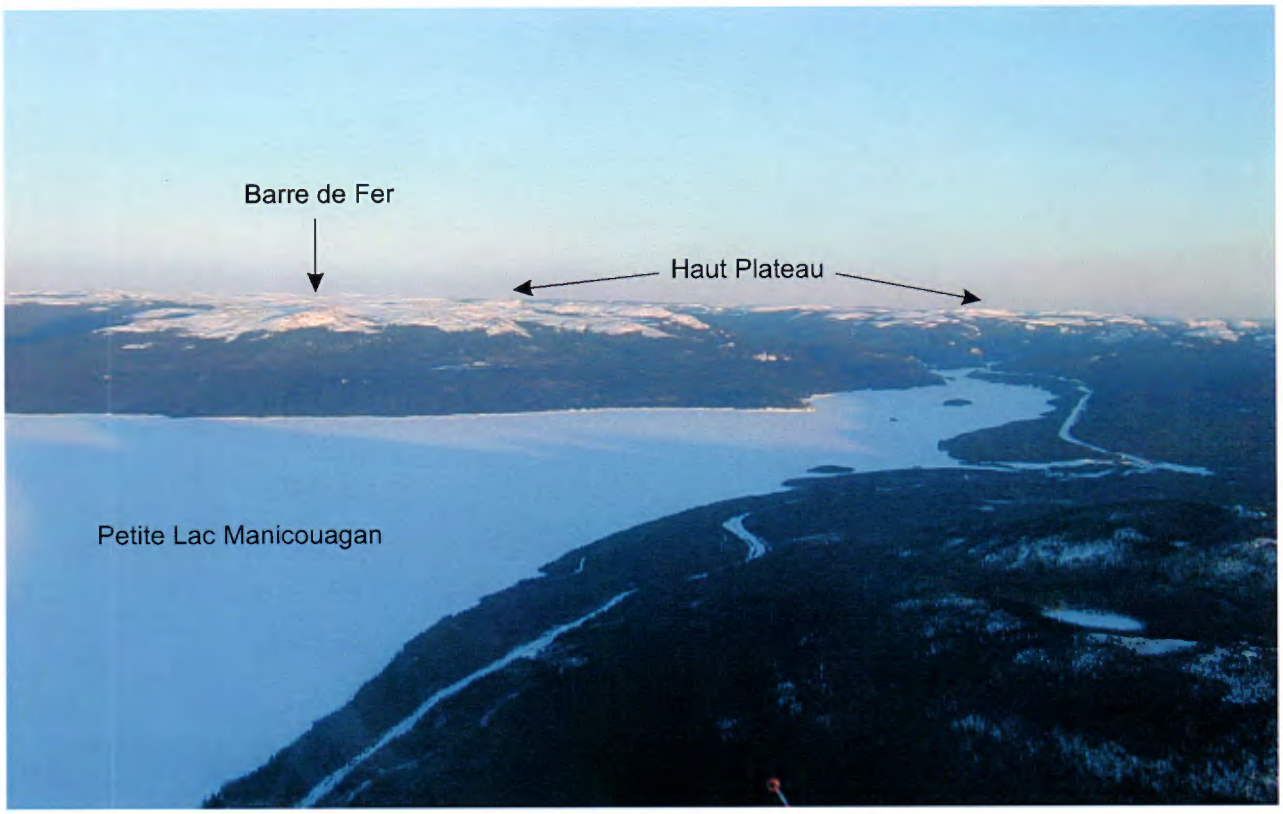


Plate 1 Haut Plateau looking south-southeast across Petite Lac Manicouagan. The QCM Railway in the foreground passes within 10 km of the Barre de Fer Zone. Tundra type vegetation characterizes the plateau and taiga type vegetation occurs in the valley bottoms.

Plate 2 Barre de Fer Zone looking east-southeast. The Haut Plateau is characterized by numerous small lakes, swamps and is dissected by numerous linear drainages.

Plate 3 Secure core processing facility at drill camp at roads end at Petite Lac Manicouagan.

Plate 4 Indoor core logging area.

Plate 5 Sampled diamond saw cut BQ diamond drill core.
Sample intervals marked by white assay tags.

Plate 6 Core Laid out for geological correlation between drill holes.

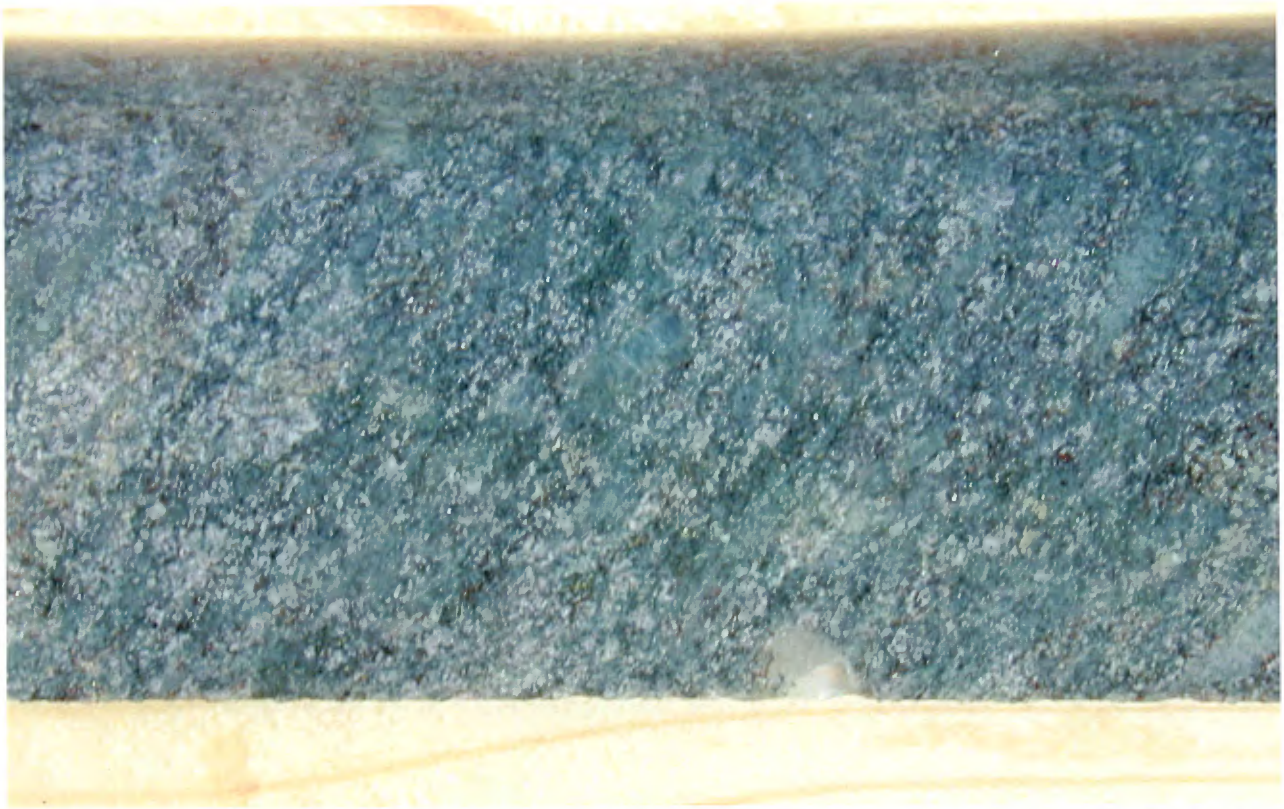


Plate 7 Biotite quartz feldspar paragneiss, with typical gneissic banding (hole 151-05 @ 10 m). Disseminated pyrite is common in the paragneiss and is rare in mafic-ultramafic units.

Plate 8 Black spotted, strongly magnetic, medium to coarsed-grained, intergranular, gray-green olivine gabbronorite (hole 2006 @ 191.5 m).

Plate 9 Moderately magnetic, fine to medium-grained, intergranular, gray-green, Ti-rich olivine gabbronorite (hole 2006 @ 177 m).

Plate 10 Weakly magnetic, medium to coarse-grained, intergranular, gray-bluish olivine gabbronorite (hole 2006 @ 37.5 m).

Plate 11 Weakly magnetic, medium to coarse-grained, intergranular, creamy green olivine gabbronorite (hole 2006 @ 82.5 m).

Plate 12 Strongly magnetic, course-grained, dark green, serpentinized peridotite (hole 2004 @ 136 m).

Plate 13 Moderate development of foliation in serpentinized peridotite is apparent on the reverse side of sample in plate 12 (hole 2004 @ 136 m).

Plate 14 Weakly foliated, nonmagnetic, fine grained, intergranular bluish norite (hole 2005 @ 131.5 m).

Plate 15 Potassium feldspar-rich margin of a tonalitic pegmatite (hole 2002 @ 163 m).

Plate 16 Accessory biotite and hornblende at the margin of a tonolitic pegmatite. Intergranular pyrrhotite (Po) and chalcopyrite (Cp) invading the pegmatite (hole 2002 @ 176 m).

Plate 17 Accessory garnets in graphic pegmatite (hole 151-05 @ 407.5 m).

Plate 18 Graphic intergrowths of quartz and feldspar in pegmatite (hole 2002 @ 51.8 m).

Plate 19 Graphic intergrowths of quartz and feldspar in pegmatite (hole 2004 @ 91 m).

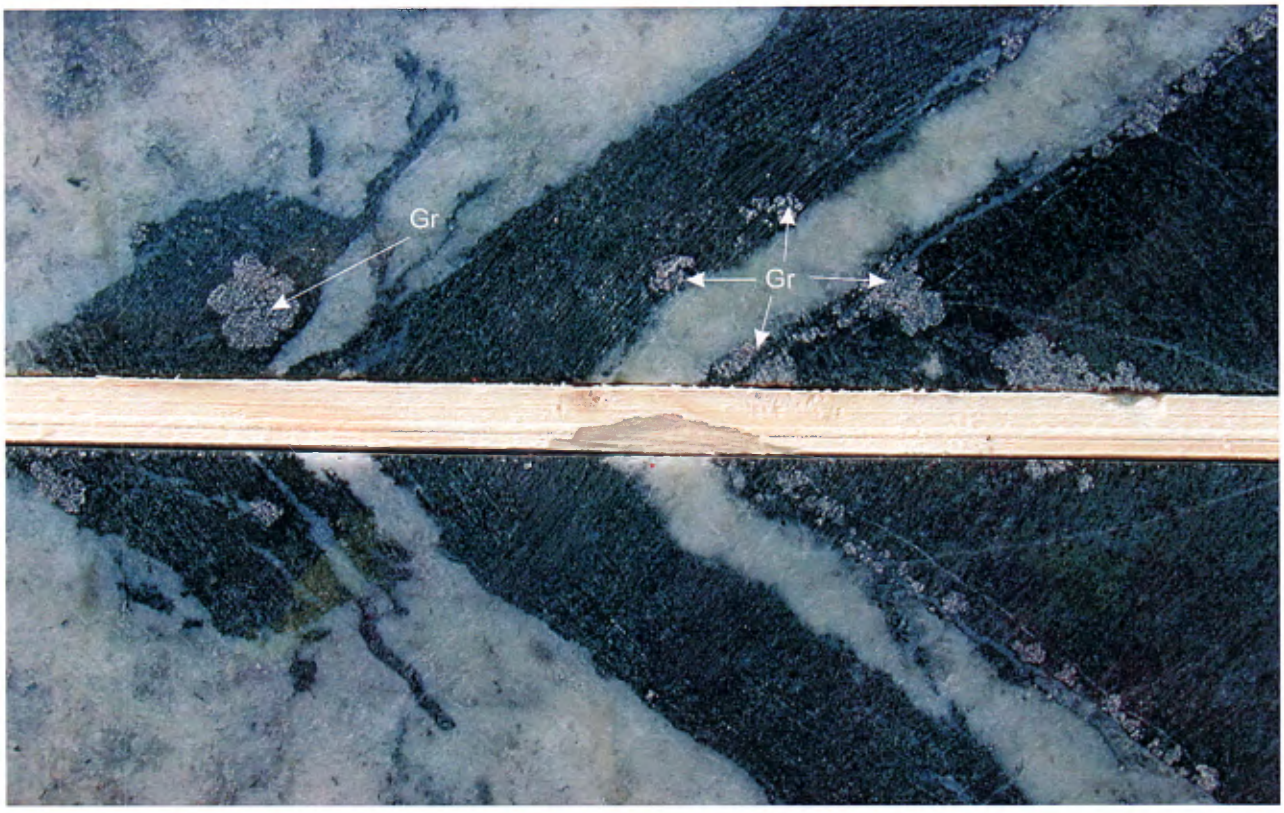


Plate 20 Garnets (Gr) formed in wall rock at pegmatite contacts and in xenoliths (hole 2006 @ 66.7 m).

Plate 21 Pegmatitic plagioclase laths up to 3 cm in length are contained in a sulphide matrix at the contact of a massive sulphide vein within olivine gabbronorite (hole 2002 @ 245 m).

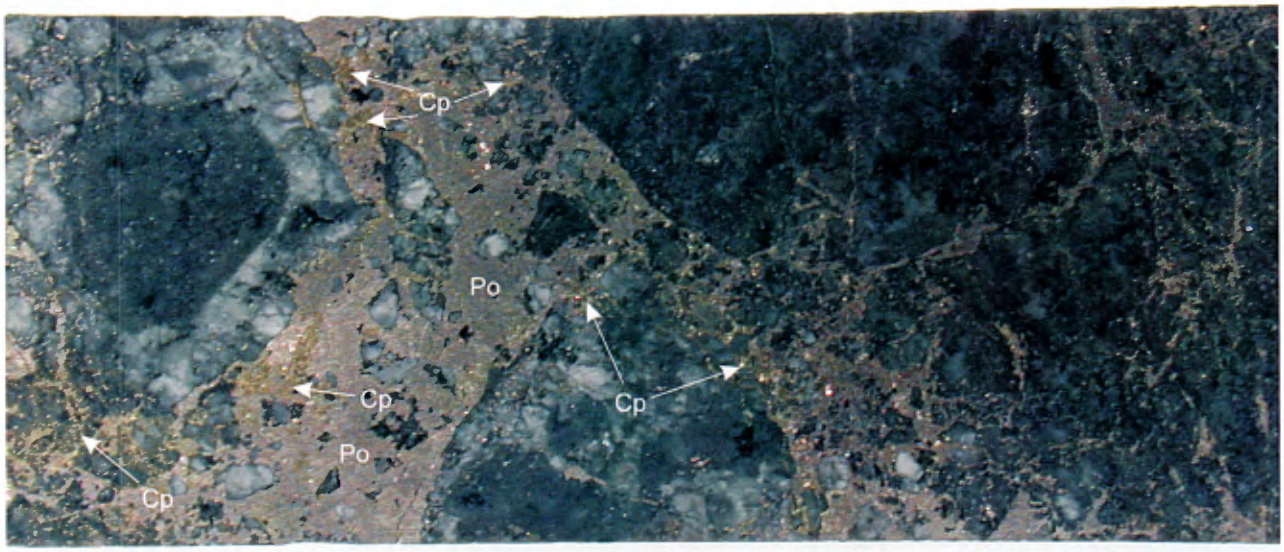


Plate 22 Massive sulphide breccia vein at gabbronorite contact displaying well rounded to angular clasts. Brittle fractures in clasts filled with pyrrhotite (Po) and chalcopyrite (Co). Note the intense alteration rims on clast margins on right side are in turn rimmed by chalcopyrite (hole 151-02 @ 78.5 m).

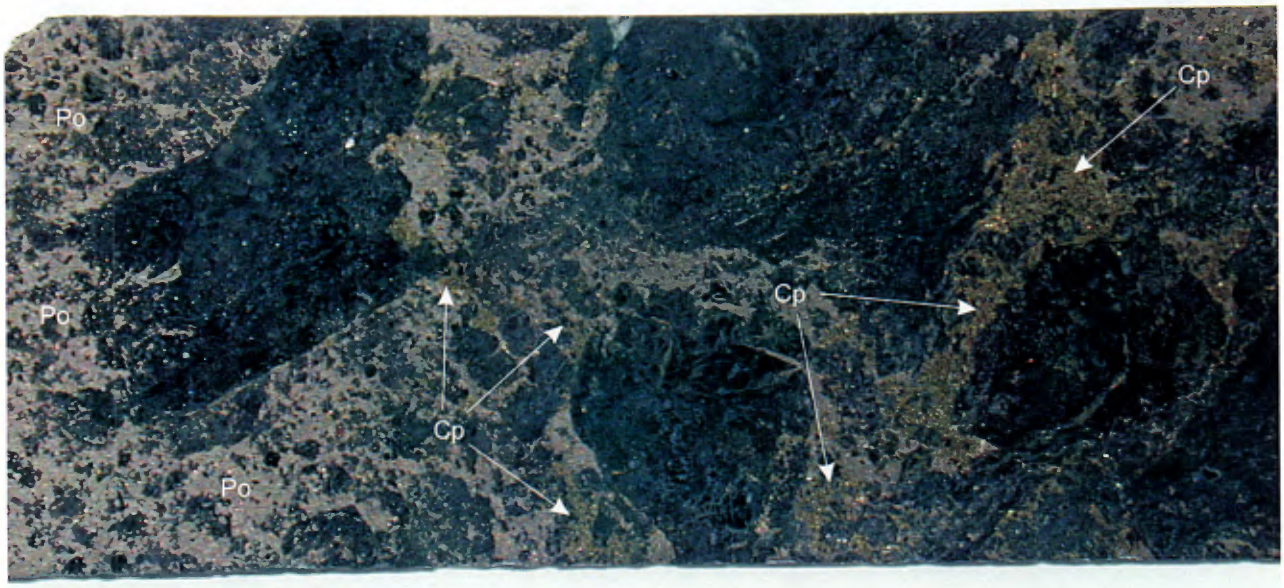


Plate 23 Massive sulphide breccia vein with high clast density. Clast boundaries range from sharp to highly corroded. Abundant chalcopyrite has accumulated near the vein boundary (hole 151-02 @ 71.9 m).

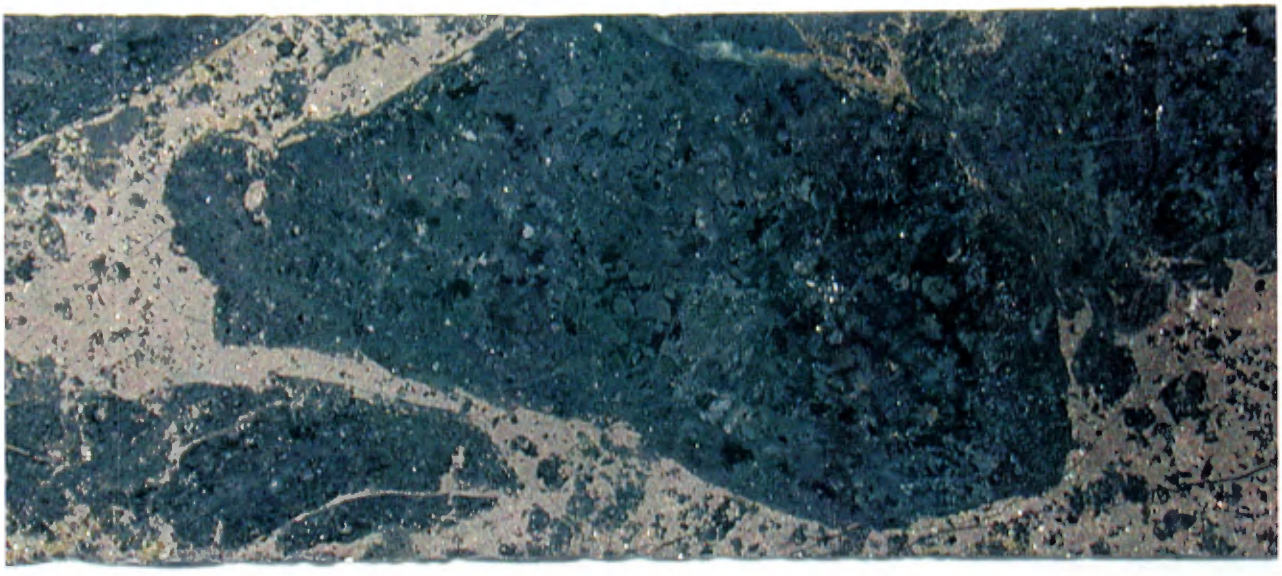


Plate 24 Massive sulphide breccia vein with high clast density. Large clasts have sharp boundaries or minor sulphide replacement or alteration (hole 151-02 @ 72.1).

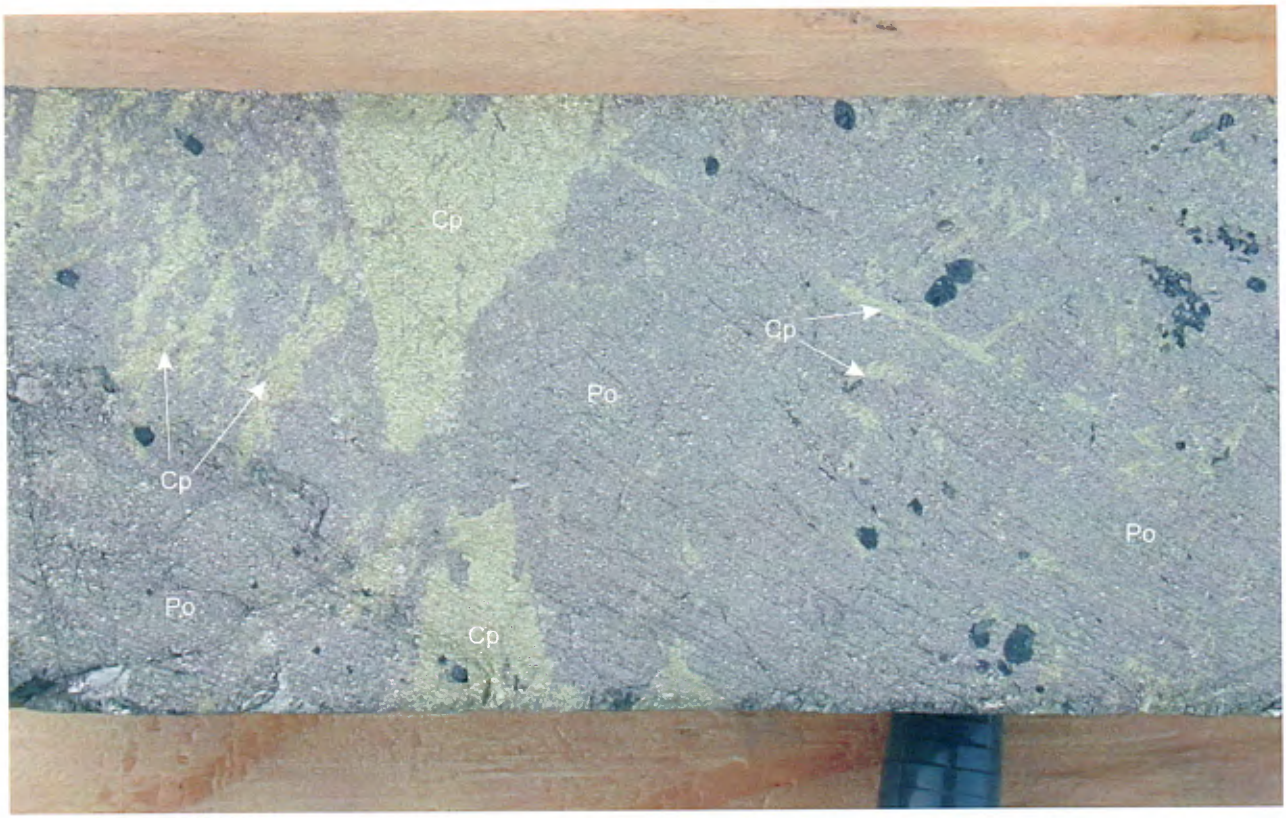


Plate 25 Phenocrysts of hornblende (?) altered to chlorite are common in the massive sulphide and appear to have formed in-situ. Large wispy accumulations and fracture fillings of chalcopyrite are common near vein margins (hole 2002 @ 147.2 m).

Plate 26 Massive sulphide breccia vein contacts are variably replaced, corroded or sharp and are commonly chalcopyrite enriched (hole 2006 @ 41.8 m).

Plate 27 Corroded/replaced clast and vein margin (hole 2006 @ 44.3).

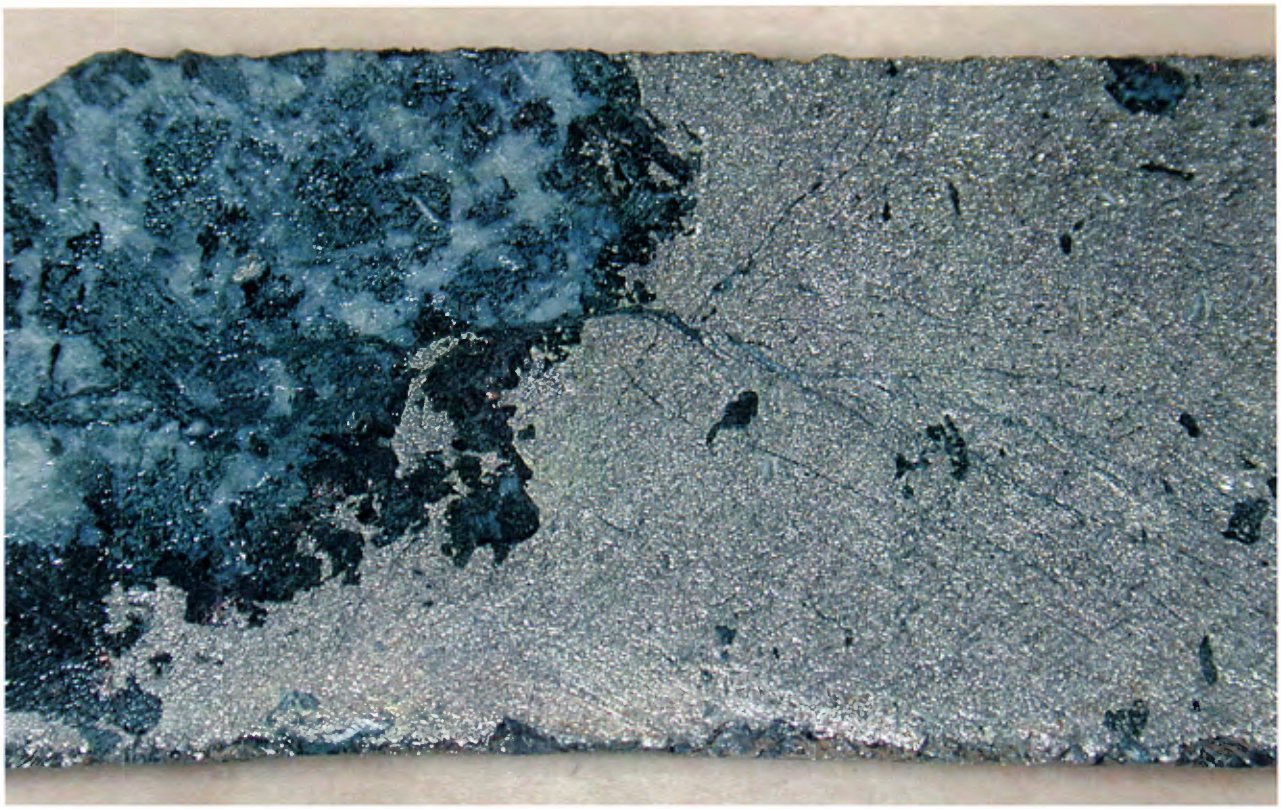


Plate 28 Alteration selvage of biotite, and/or chlorite, muscovite, and calcite at massive sulphide breccia vein contact (hole 2004 @ 152 m).

Plate 29 Some vein selvages have distinct millimetre scale banding of biotite and calcite over 2 to 15 cm (hole 2002 @ 176.4 m).

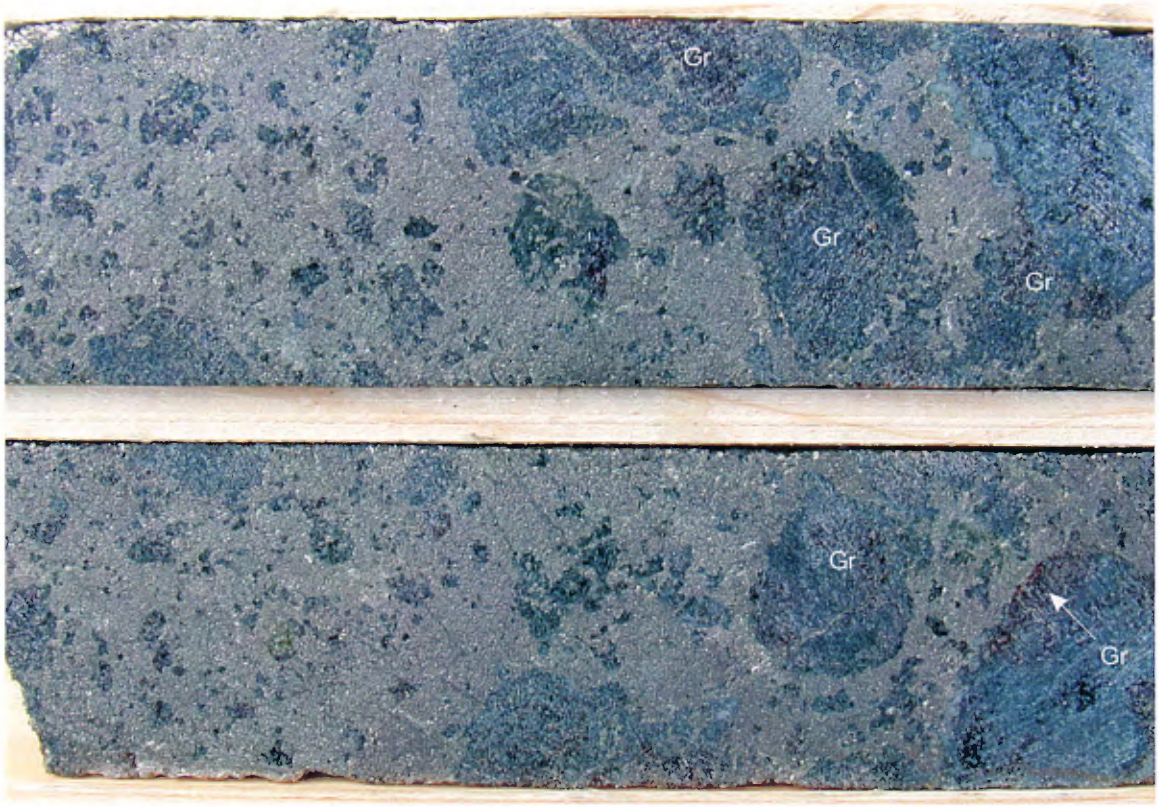


Plate 30 Garnets (Gr) replace some clasts in the massive sulphide breccia veins (hole 2006 @ 70.4 m).

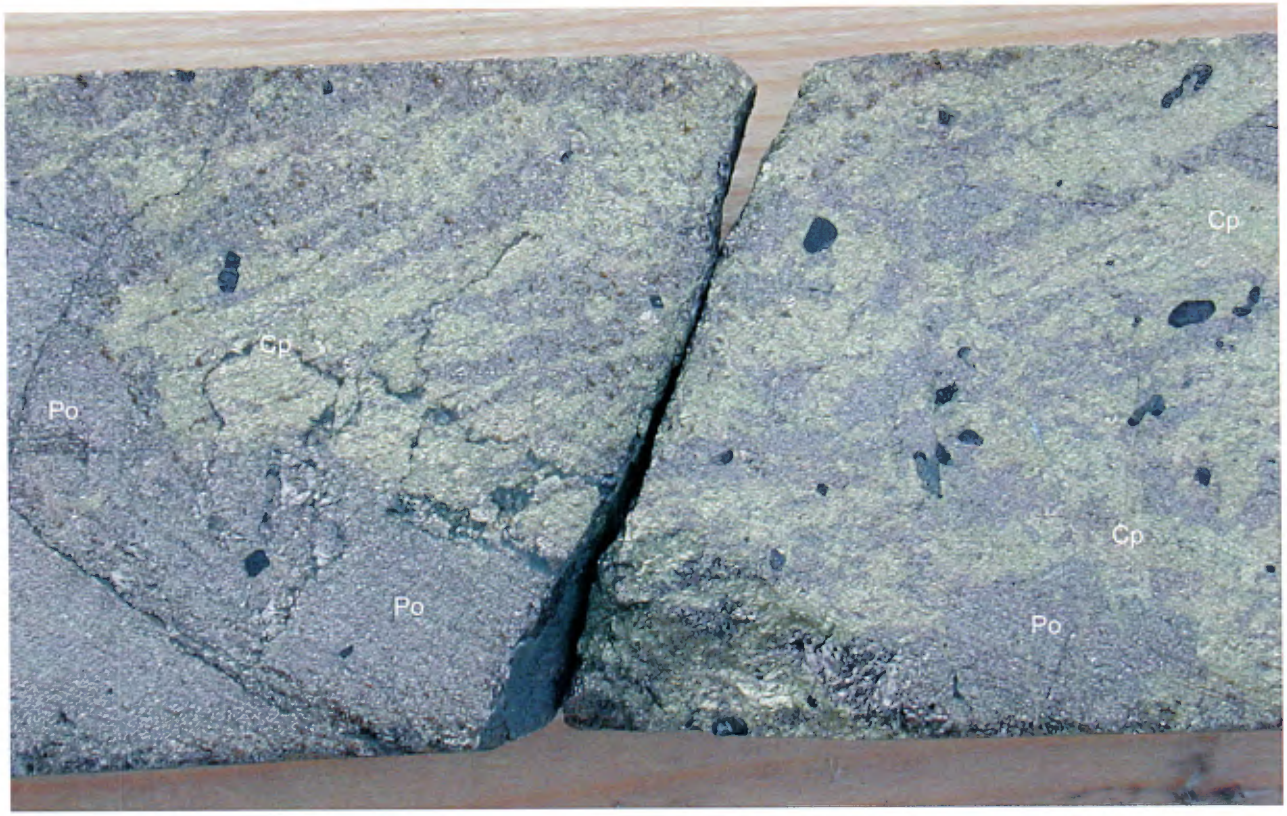


Plate 31 In the massive sulphide breccia veins chalcopyrite (Cp) occurs as fine disseminations in the pyrrhotite (Po) dominated groundmass, as late cross-cutting wispy masses and as millimetre to sub-millimetre veinlets cutting the massive sulphide and the immediately adjacent wall rock (hole 2002 @ 148.1m).

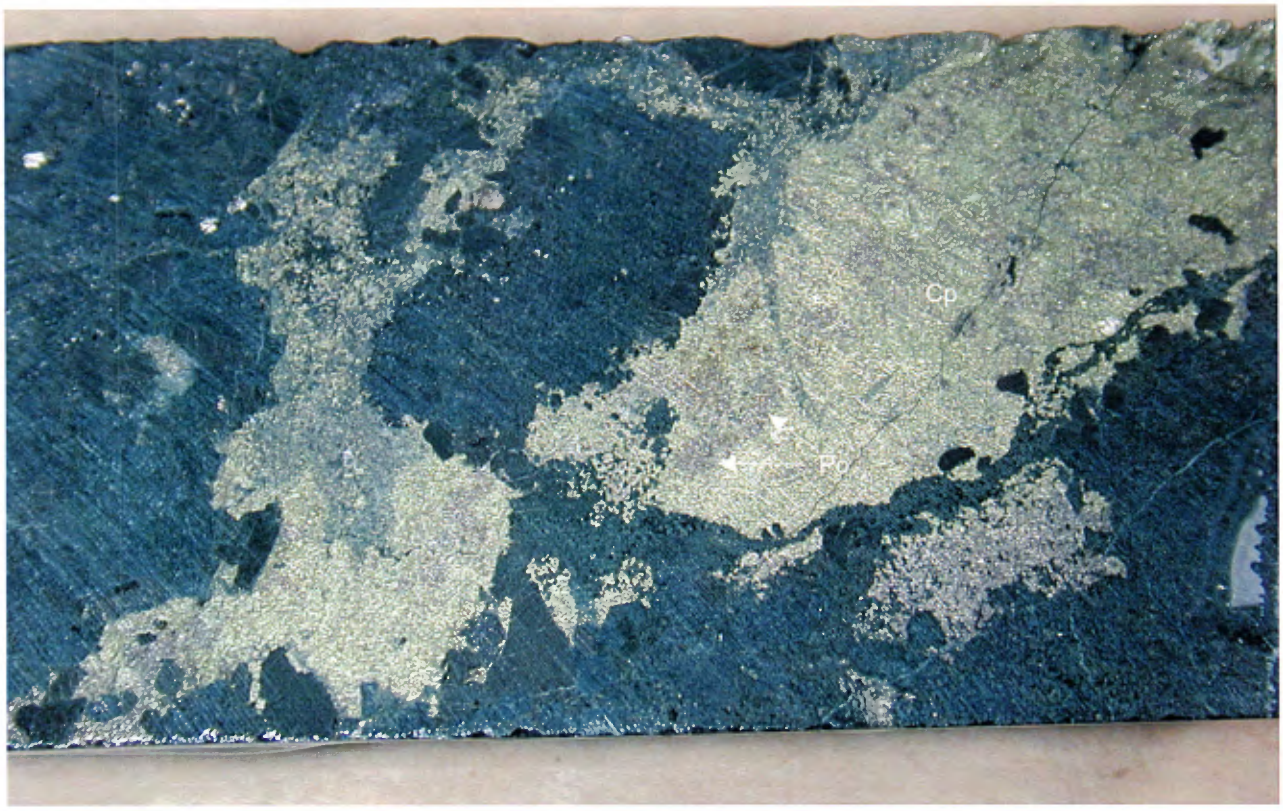


Plate 32 Chalcopyrite dominate veins, generally less than 5 cm thick occur in proximity to the main veins (hole 2002 @ 140.6 m).

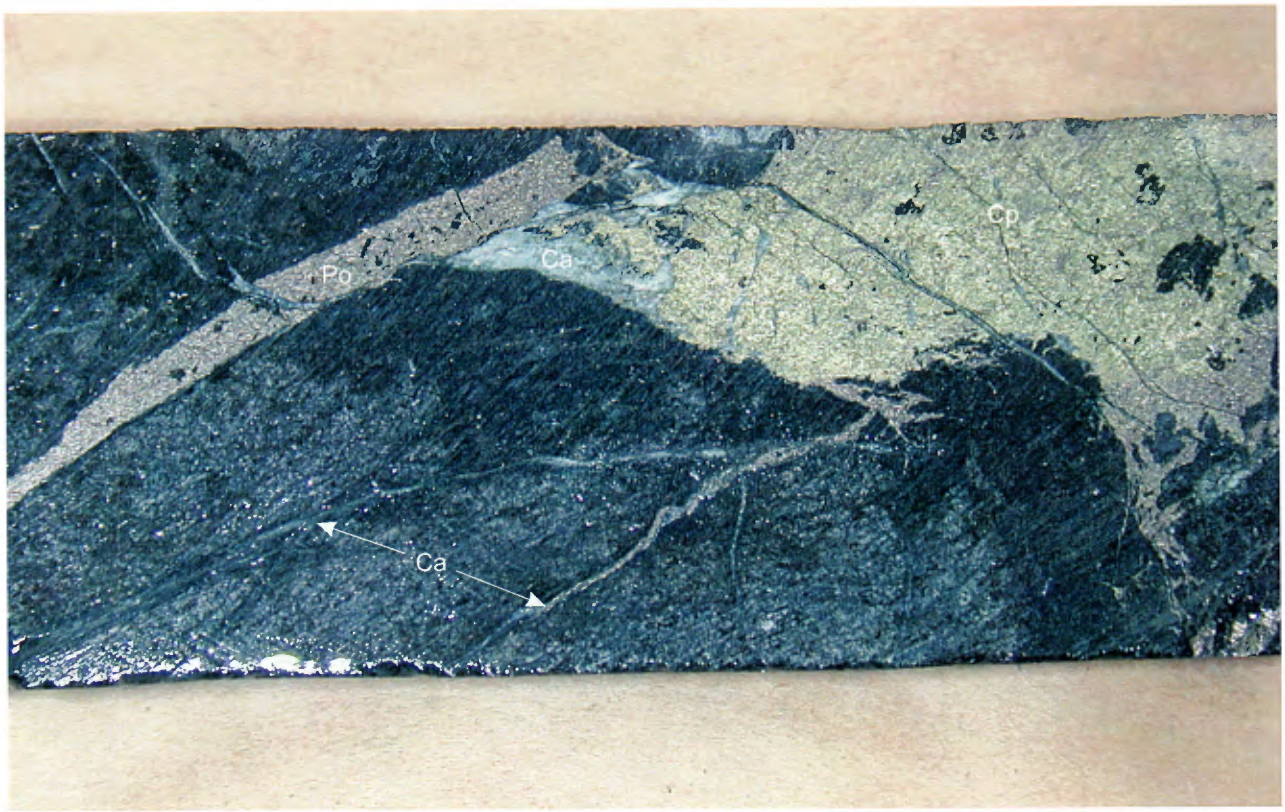


Plate 33 Centimetre thick chalcopyrite dominant veins generally occur only within 3 m of the massive sulphide breccia veins. These veins are cut by late calcite (Ca) veinlets (hole 2004 @ 147 m).

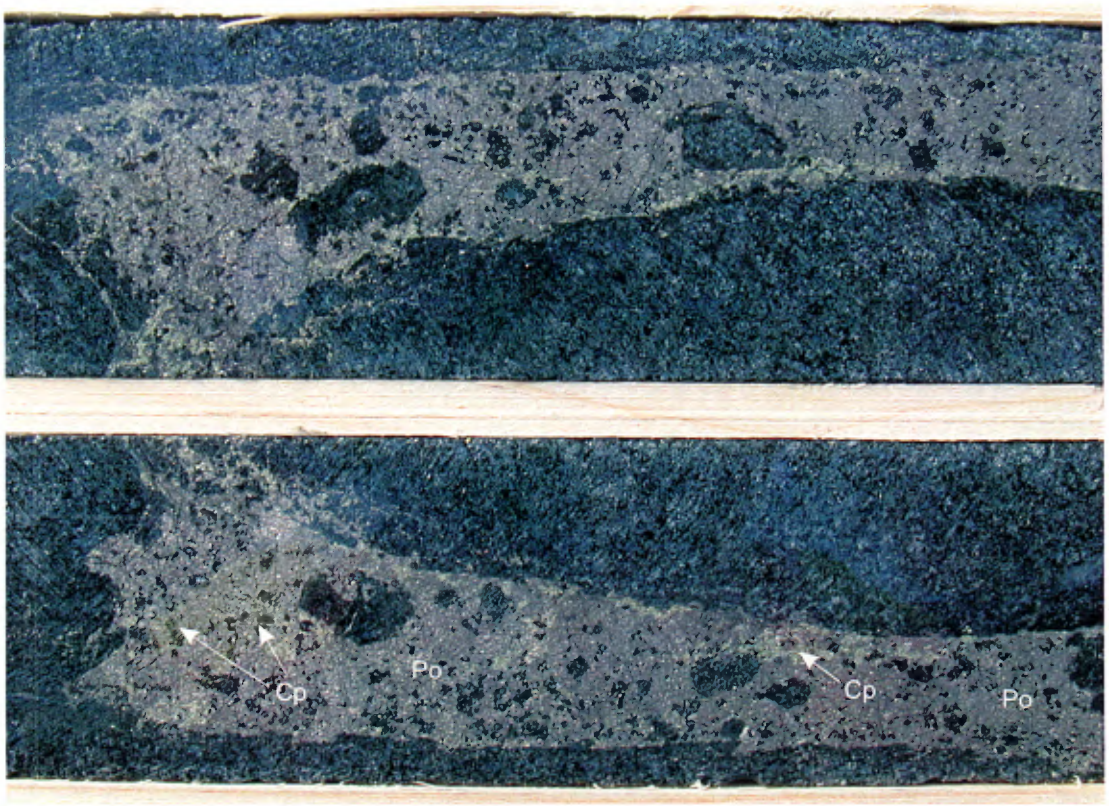


Plate 34 Many of the narrow, chalcopyrite-rich veins also display breccia textures identical to the large massive sulphide breccia veins (hole 2006 @ 32.1 m).

Plate 35 Disseminated and net textured pyrrhotite and chalcopyrite coalesce into a centimetre thick sulphide vein in norite (hole 151-04 @ 201 m). This small-scale feature mimics and clearly illustrates the formation of the large-scale massive sulphide veins.

APPENDIX 1

LIST OF MINERAL CLAIMS

Haut Plateau Project - Schedule A

Claim Identifier	NTS	Size (ha)	Recorded	Expires
Forgues				
5189937	22O12	16.60	9/8/97	9/7/03
5189938	22O12	16.71	9/8/97	9/7/03
5189939	22O12	16.19	9/8/97	9/7/03
5189940	22O12	16.05	9/8/97	9/7/03
5196029	22O12	16.00	9/4/97	9/3/03
5196030	22O12	15.87	9/4/97	9/3/03
5196031	22O12	15.24	9/4/97	9/3/03
5196032	22O12	14.62	9/4/97	9/3/03
5196033	22O12	13.80	9/4/97	9/3/03
5196034	22O12	13.93	9/4/97	9/3/03
5196035	22O12	13.65	9/4/97	9/3/03
5196036	22O12	15.27	9/4/97	9/3/03
5196037	22O12	16.06	9/4/97	9/3/03
5196038	22O12	16.93	9/4/97	9/3/03
5196039	22O12	16.56	9/4/97	9/3/03
5196040	22O12	15.13	9/4/97	9/3/03
5196041	22O12	14.58	9/4/97	9/3/03
5196042	22O12	13.91	9/4/97	9/3/03
5196043	22O12	15.09	9/4/97	9/3/03
5196044	22O12	15.64	9/4/97	9/3/03
5196045	22O12	13.69	9/4/97	9/3/03
5196046	22O12	15.61	9/4/97	9/3/03
5196047	22O12	17.31	9/4/97	9/3/03
5196048	22O12	17.75	9/4/97	9/3/03
5196049	22O12	16.41	9/4/97	9/3/03
5196069	22O12	16.66	3/13/98	3/12/04
5196070	22O12	16.07	3/13/98	3/12/04
5196071	22O12	15.16	3/13/98	3/12/04
5196072	22O12	16.56	3/13/98	3/12/04
5196073	22O12	16.48	3/13/98	3/12/04
5196074	22O12	15.70	3/13/98	3/12/04

Total Number of Claims: 31 Area of Claims: 485.23

Haut Plateau de la Manic				
CDC 1012338	22O11	53.50	4/26/01	4/25/03
CDC 1012339	22O11	53.51	4/26/01	4/25/03
CDC 1012340	22O11	53.48	4/26/01	4/25/03
CDC 1012341	22O11	53.49	4/26/01	4/25/03
CDC 1012342	22O11	53.48	4/26/01	4/25/03
CDC 1012343	22O11	53.48	4/26/01	4/25/03
CDC 1012344	22O11	53.49	4/26/01	4/25/03
CDC 1012345	22O11	53.48	4/26/01	4/25/03
CDC 1012346	22O11	53.48	4/26/01	4/25/03
CDC 1012347	22O11	53.49	4/26/01	4/25/03
CDC 1012348	22O11	53.48	4/26/01	4/25/03
CDC 1012349	22O11	53.47	4/26/01	4/25/03
CDC 1012350	22O11	53.48	4/26/01	4/25/03
CDC 1012351	22O11	53.47	4/26/01	4/25/03
CDC 1012352	22O11	53.47	4/26/01	4/25/03
CDC 1012353	22O11	53.46	4/26/01	4/25/03
CDC 1012354	22O11	53.45	4/26/01	4/25/03
CDC 1012355	22O11	53.44	4/26/01	4/25/03
CDC 1012356	22O11	53.43	4/26/01	4/25/03
CDC 1012357	22O10	53.40	7/12/01	7/11/03
CDC 1012358	22O10	53.40	7/12/01	7/11/03
CDC 1012359	22O10	53.41	7/12/01	7/11/03
CDC 1012360	22O10	53.40	7/12/01	7/11/03
CDC 1012361	22O10	53.39	7/12/01	7/11/03
CDC 1012362	22O10	53.39	7/12/01	7/11/03
CDC 1012363	22O10	53.40	7/12/01	7/11/03
CDC 1012364	22O10	53.39	7/12/01	7/11/03
CDC 1012365	22O10	53.39	7/12/01	7/11/03
CDC 1012366	22O10	53.39	7/12/01	7/11/03
CDC 1012367	22O10	53.40	7/12/01	7/11/03
CDC 1012368	22O10	53.39	7/12/01	7/11/03
CDC 1013345	22O11	53.48	6/22/01	6/21/03
CDC 1013346	22O11	53.47	6/22/01	6/21/03
CDC 1013347	22O11	53.47	6/22/01	6/21/03
CDC 1013348	22O11	53.48	6/22/01	6/21/03
CDC 1013349	22O11	53.47	6/22/01	6/21/03
CDC 1013350	22O11	53.47	6/22/01	6/21/03
CDC 1013351	22O11	53.48	6/22/01	6/21/03
CDC 1013352	22O11	53.46	6/22/01	6/21/03
CDC 1013353	22O11	53.46	6/22/01	6/21/03
CDC 1013354	22O11	53.46	6/22/01	6/21/03
CDC 1013355	22O11	53.46	6/22/01	6/21/03
CDC 1013356	22O11	53.46	6/22/01	6/21/03
CDC 1013357	22O11	53.45	6/22/01	6/21/03
CDC 1013358	22O11	53.45	6/22/01	6/21/03
CDC 1013359	22O11	53.43	6/22/01	6/21/03
CDC 1013360	22O11	53.43	6/22/01	6/21/03
CDC 1013361	22O11	53.43	6/22/01	6/21/03
CDC 1013362	22O11	53.41	6/22/01	6/21/03
CDC 1013363	22O11	53.41	6/22/01	6/21/03
CDC 1013364	22O11	53.42	6/22/01	6/21/03
CDC 1013365	22O11	53.42	6/22/01	6/21/03
CDC 1013366	22O11	53.42	6/22/01	6/21/03
CDC 1013367	22O11	53.39	6/22/01	6/21/03
CDC 1013368	22O11	53.40	6/22/01	6/21/03
CDC 1013369	22O11	53.39	6/22/01	6/21/03
CDC 1013370	22O11	53.39	6/22/01	6/21/03
CDC 1013371	22O11	53.40	6/22/01	6/21/03
CDC 1013372	22O11	53.40	6/22/01	6/21/03
CDC 1013373	22O11	53.41	6/22/01	6/21/03
CDC 1013374	22O11	53.40	6/22/01	6/21/03
CDC 1013375	22O11	53.40	6/22/01	6/21/03
CDC 1013376	22O11	53.38	6/22/01	6/21/03
CDC 1013377	22O11	53.39	6/22/01	6/21/03
CDC 1013378	22O11	53.38	6/22/01	6/21/03
CDC 1013379	22O11	53.38	6/22/01	6/21/03
CDC 1013380	22O11	53.39	6/22/01	6/21/03
CDC 1013381	22O11	53.39	6/22/01	6/21/03
CDC 1013382	22O11	53.40	6/22/01	6/21/03
CDC 1013383	22O11	53.39	6/22/01	6/21/03
CDC 1013384	22O11	53.39	6/22/01	6/21/03
CDC 1013385	22O11	53.47	6/22/01	6/21/03
CDC 1013386	22O11	53.40	6/22/01	6/21/03
CDC 1013387	22O11	53.39	6/22/01	6/21/03
CDC 1013388	22O11	53.39	6/22/01	6/21/03
CDC 1013389	22O11	53.40	6/22/01	6/21/03
CDC 1013390	22O11	53.39	6/22/01	6/21/03

Claim Identifier	NTS	Size (ha)	Recorded	Expires	Claim Identifier	NTS	Size (ha)	Recorded	Expires
CDC 1013391	22O11	53.38	6/22/01	6/21/03	CDC 1013678	22O11	53.53	6/23/01	6/22/03
CDC 1013392	22O11	53.39	6/22/01	6/21/03	CDC 1013679	22O11	53.53	6/23/01	6/22/03
CDC 1013393	22O11	53.38	6/22/01	6/21/03	CDC 1013680	22O11	53.53	6/23/01	6/22/03
CDC 1013394	22O11	53.39	6/22/01	6/21/03	CDC 1013681	22O11	53.53	6/23/01	6/22/03
CDC 1013395	22O11	53.39	6/22/01	6/21/03	CDC 1013682	22O11	53.53	6/23/01	6/22/03
CDC 1013396	22O11	53.39	6/22/01	6/21/03	CDC 1013683	22O11	53.53	6/23/01	6/22/03
CDC 1013397	22O11	53.39	6/22/01	6/21/03	CDC 1013684	22O11	53.53	6/23/01	6/22/03
CDC 1013398	22O11	53.39	6/22/01	6/21/03	CDC 1013685	22O11	53.51	6/23/01	6/22/03
CDC 1013399	22O11	53.39	6/22/01	6/21/03	CDC 1013686	22O11	53.51	6/23/01	6/22/03
CDC 1013400	22O11	53.39	6/22/01	6/21/03	CDC 1013687	22O11	53.52	6/23/01	6/22/03
CDC 1013401	22O11	53.39	6/22/01	6/21/03	CDC 1013688	22O11	53.51	6/23/01	6/22/03
CDC 1013402	22O11	53.39	6/22/01	6/21/03	CDC 1013689	22O11	53.51	6/23/01	6/22/03
CDC 1013403	22O11	53.42	6/22/01	6/21/03	CDC 1013690	22O11	53.52	6/23/01	6/22/03
CDC 1013404	22O11	53.42	6/22/01	6/21/03	CDC 1013691	22O11	53.51	6/23/01	6/22/03
CDC 1013405	22O11	53.42	6/22/01	6/21/03	CDC 1013696	22O11	53.46	6/23/01	6/22/03
CDC 1013406	22O11	53.41	6/22/01	6/21/03	CDC 1013697	22O11	53.46	6/23/01	6/22/03
CDC 1013407	22O11	53.41	6/22/01	6/21/03	CDC 1013698	22O11	53.45	6/23/01	6/22/03
CDC 1013408	22O11	53.42	6/22/01	6/21/03	CDC 1013699	22O11	53.45	6/23/01	6/22/03
CDC 1013409	22O11	53.41	6/22/01	6/21/03	CDC 1013700	22O11	53.45	6/23/01	6/22/03
CDC 1013410	22O11	53.41	6/22/01	6/21/03	CDC 1013701	22O11	53.45	6/23/01	6/22/03
CDC 1013411	22O11	53.42	6/22/01	6/21/03	CDC 1013702	22O11	53.45	6/23/01	6/22/03
CDC 1013412	22O11	53.41	6/22/01	6/21/03	CDC 1013703	22O11	53.44	6/23/01	6/22/03
CDC 1013413	22O11	53.41	6/22/01	6/21/03	CDC 1013704	22O11	53.45	6/23/01	6/22/03
CDC 1013414	22O11	53.42	6/22/01	6/21/03	CDC 1013705	22O11	53.44	6/23/01	6/22/03
CDC 1013415	22O11	53.40	6/22/01	6/21/03	CDC 1013706	22O11	53.44	6/23/01	6/22/03
CDC 1013416	22O11	53.40	6/22/01	6/21/03	CDC 1013707	22O11	53.45	6/23/01	6/22/03
CDC 1013417	22O11	53.40	6/22/01	6/21/03	CDC 1013708	22O11	53.44	6/23/01	6/22/03
CDC 1013418	22O11	53.40	6/22/01	6/21/03	CDC 1013709	22O11	53.43	6/23/01	6/22/03
CDC 1013419	22O11	53.40	6/22/01	6/21/03	CDC 1013710	22O11	53.43	6/23/01	6/22/03
CDC 1013420	22O11	53.40	6/22/01	6/21/03	CDC 1013711	22O11	53.43	6/23/01	6/22/03
CDC 1013421	22O11	53.40	6/22/01	6/21/03	CDC 1013712	22O11	53.43	6/23/01	6/22/03
CDC 1013422	22O11	53.39	6/22/01	6/21/03	CDC 1013713	22O11	53.43	6/23/01	6/22/03
CDC 1013423	22O11	53.39	6/22/01	6/21/03	CDC 1013714	22O11	53.43	6/23/01	6/22/03
CDC 1013424	22O11	53.39	6/22/01	6/21/03	CDC 1013715	22O11	53.42	6/23/01	6/22/03
CDC 1013652	22O11	53.56	6/23/01	6/22/03	CDC 1013716	22O11	53.42	6/23/01	6/22/03
CDC 1013653	22O11	53.56	6/23/01	6/22/03	CDC 1013717	22O11	53.42	6/23/01	6/22/03
CDC 1013654	22O11	53.56	6/23/01	6/22/03	CDC 1013718	22O11	53.42	6/23/01	6/22/03
CDC 1013655	22O11	53.56	6/23/01	6/22/03	CDC 1013719	22O11	53.42	6/23/01	6/22/03
CDC 1013656	22O11	53.56	6/23/01	6/22/03	CDC 1013720	22O11	53.42	6/23/01	6/22/03
CDC 1013657	22O11	53.56	6/23/01	6/22/03	CDC 1013721	22O11	53.42	6/23/01	6/22/03
CDC 1013658	22O11	53.56	6/23/01	6/22/03	CDC 1013722	22O11	53.42	6/23/01	6/22/03
CDC 1013659	22O11	53.56	6/23/01	6/22/03	CDC 1013723	22O11	53.42	6/23/01	6/22/03
CDC 1013660	22O11	53.56	6/23/01	6/22/03	CDC 1013724	22O11	53.39	6/23/01	6/22/03
CDC 1013661	22O11	53.54	6/23/01	6/22/03	CDC 1013725	22O11	53.39	6/23/01	6/22/03
CDC 1013662	22O11	53.54	6/23/01	6/22/03	CDC 1013754	22O11	53.56	6/23/01	6/22/03
CDC 1013663	22O11	53.55	6/23/01	6/22/03	CDC 1013755	22O11	53.56	6/23/01	6/22/03
CDC 1013664	22O11	53.54	6/23/01	6/22/03	CDC 1013756	22O11	53.57	6/23/01	6/22/03
CDC 1013665	22O11	53.54	6/23/01	6/22/03	CDC 1013757	22O11	53.56	6/23/01	6/22/03
CDC 1013666	22O11	53.55	6/23/01	6/22/03	CDC 1013758	22O11	53.56	6/23/01	6/22/03
CDC 1013667	22O11	53.54	6/23/01	6/22/03	CDC 1013759	22O11	53.57	6/23/01	6/22/03
CDC 1013668	22O11	53.54	6/23/01	6/22/03	CDC 1013760	22O11	53.56	6/23/01	6/22/03
CDC 1013669	22O11	53.53	6/23/01	6/22/03	CDC 1013761	22O11	53.48	6/23/01	6/22/03
CDC 1013670	22O11	53.53	6/23/01	6/22/03	CDC 1013762	22O11	53.48	6/23/01	6/22/03
CDC 1013671	22O11	53.54	6/23/01	6/22/03	CDC 1013763	22O11	53.48	6/23/01	6/22/03
CDC 1013672	22O11	53.53	6/23/01	6/22/03	CDC 1013963	22O11	53.39	6/22/01	6/21/03
CDC 1013673	22O11	53.53	6/23/01	6/22/03	CDC 1013964	22O11	53.39	6/22/01	6/21/03
CDC 1013674	22O11	53.54	6/23/01	6/22/03	CDC 1013965	22O11	53.39	6/22/01	6/21/03
CDC 1013675	22O11	53.53	6/23/01	6/22/03	CDC 1013966	22O11	53.39	6/22/01	6/21/03
CDC 1013676	22O11	53.53	6/23/01	6/22/03	CDC 1013967	22O11	53.39	6/22/01	6/21/03
CDC 1013677	22O11	53.53	6/23/01	6/22/03	CDC 1013968	22O11	53.38	6/22/01	6/21/03

Claim Identifier	NTS	Size (ha)	Recorded	Expires	Claim Identifier	NTS	Size (ha)	Recorded	Expires
CDC 1013969	22O11	53.38	6/22/01	6/21/03	CDC 1014171	22O11	53.41	6/23/01	6/22/03
CDC 1013970	22O11	53.39	6/22/01	6/21/03	CDC 1014172	22O11	53.41	6/23/01	6/22/03
CDC 1013971	22O11	53.39	6/22/01	6/21/03	CDC 1014173	22O11	53.42	6/23/01	6/22/03
CDC 1013972	22O11	53.39	6/22/01	6/21/03	CDC 1014174	22O11	53.41	6/23/01	6/22/03
CDC 1013973	22O11	53.39	6/22/01	6/21/03	CDC 1014175	22O11	53.41	6/23/01	6/22/03
CDC 1013974	22O11	53.37	6/22/01	6/21/03	CDC 1014176	22O11	53.51	6/23/01	6/22/03
CDC 1013975	22O11	53.37	6/22/01	6/21/03	CDC 1014177	22O11	53.50	6/23/01	6/22/03
CDC 1013976	22O11	53.37	6/22/01	6/21/03	CDC 1014178	22O11	53.50	6/23/01	6/22/03
CDC 1013977	22O11	53.38	6/22/01	6/21/03	CDC 1014179	22O11	53.51	6/23/01	6/22/03
CDC 1013978	22O11	53.37	6/22/01	6/21/03	CDC 1014180	22O11	53.50	6/23/01	6/22/03
CDC 1013979	22O11	53.37	6/22/01	6/21/03	CDC 1014181	22O11	53.50	6/23/01	6/22/03
CDC 1013980	22O11	53.38	6/22/01	6/21/03	CDC 1014182	22O11	53.51	6/23/01	6/22/03
CDC 1013981	22O11	53.37	6/22/01	6/21/03	CDC 1014183	22O11	53.50	6/23/01	6/22/03
CDC 1013982	22O11	53.37	6/22/01	6/21/03	CDC 1014184	22O11	53.50	6/23/01	6/22/03
CDC 1013983	22O11	53.38	6/22/01	6/21/03	CDC 1014202	22O10	53.42	7/12/01	7/11/03
CDC 1013984	22O11	53.37	6/22/01	6/21/03	CDC 1014203	22O10	53.43	7/12/01	7/11/03
CDC 1013985	22O11	53.37	6/22/01	6/21/03	CDC 1014204	22O10	53.42	7/12/01	7/11/03
CDC 1013986	22O11	53.38	6/22/01	6/21/03	CDC 1014205	22O10	53.43	7/12/01	7/11/03
CDC 1013987	22O11	53.37	6/22/01	6/21/03	CDC 1014206	22O10	53.42	7/12/01	7/11/03
CDC 1013988	22O11	53.37	6/22/01	6/21/03	CDC 1014207	22O10	53.42	7/12/01	7/11/03
CDC 1013989	22O11	53.36	6/22/01	6/21/03	CDC 1014208	22O10	53.43	7/12/01	7/11/03
CDC 1013990	22O11	53.36	6/22/01	6/21/03	CDC 1014209	22O10	53.40	7/12/01	7/11/03
CDC 1013991	22O11	53.37	6/22/01	6/21/03	CDC 1014210	22O10	53.41	7/12/01	7/11/03
CDC 1013992	22O11	53.36	6/22/01	6/21/03	CDC 1014211	22O10	53.39	7/12/01	7/11/03
CDC 1013993	22O11	53.36	6/22/01	6/21/03	CDC 1014212	22O10	53.40	7/12/01	7/11/03
CDC 1013994	22O11	53.37	6/22/01	6/21/03	CDC 1014213	22O10	53.39	7/12/01	7/11/03
CDC 1013995	22O11	53.36	6/22/01	6/21/03	CDC 1014214	22O10	53.40	7/12/01	7/11/03
CDC 1013996	22O11	53.36	6/22/01	6/21/03	CDC 1014215	22O10	53.37	7/12/01	7/11/03
CDC 1013997	22O11	53.37	6/22/01	6/21/03	CDC 1014216	22O10	53.38	7/12/01	7/11/03
CDC 1013998	22O11	53.36	6/22/01	6/21/03	CDC 1014217	22O10	53.37	7/12/01	7/11/03
CDC 1013999	22O11	53.36	6/22/01	6/21/03	CDC 1014218	22O10	53.37	7/12/01	7/11/03
CDC 1014000	22O11	53.36	6/22/01	6/21/03	CDC 1014219	22O10	53.36	7/12/01	7/11/03
CDC 1014001	22O11	53.36	6/22/01	6/21/03	CDC 1014220	22O10	53.37	7/12/01	7/11/03
CDC 1014002	22O11	53.36	6/22/01	6/21/03	CDC 1014221	22O10	53.36	7/12/01	7/11/03
CDC 1014145	22O11	53.50	6/23/01	6/22/03	CDC 1016400	22O11	53.44	7/19/01	7/18/03
CDC 1014146	22O11	53.50	6/23/01	6/22/03	CDC 1016401	22O11	53.44	7/19/01	7/18/03
CDC 1014147	22O11	53.50	6/23/01	6/22/03	CDC 1016402	22O11	53.43	7/19/01	7/18/03
CDC 1014148	22O11	53.50	6/23/01	6/22/03	CDC 1016403	22O11	53.42	7/19/01	7/18/03
CDC 1014149	22O11	53.50	6/23/01	6/22/03	CDC 1016404	22O11	53.42	7/19/01	7/18/03
CDC 1014150	22O11	53.50	6/23/01	6/22/03	CDC 1016405	22O11	53.43	7/19/01	7/18/03
CDC 1014151	22O11	53.49	6/23/01	6/22/03	CDC 1016406	22O11	53.42	7/19/01	7/18/03
CDC 1014152	22O11	53.48	6/23/01	6/22/03	CDC 1016407	22O11	53.41	7/19/01	7/18/03
CDC 1014153	22O11	53.48	6/23/01	6/22/03	CDC 1016408	22O11	53.42	7/19/01	7/18/03
CDC 1014154	22O11	53.48	6/23/01	6/22/03	CDC 1016409	22O11	53.41	7/19/01	7/18/03
CDC 1014155	22O11	53.47	6/23/01	6/22/03	CDC 1016410	22O11	53.41	7/19/01	7/18/03
CDC 1014156	22O11	53.47	6/23/01	6/22/03	CDC 1016411	22O11	53.42	7/19/01	7/18/03
CDC 1014157	22O11	53.45	6/23/01	6/22/03	CDC 1016412	22O11	53.41	7/19/01	7/18/03
CDC 1014158	22O11	53.44	6/23/01	6/22/03	CDC 1016413	22O11	53.41	7/19/01	7/18/03
CDC 1014159	22O11	53.44	6/23/01	6/22/03	CDC 1016414	22O11	53.42	7/19/01	7/18/03
CDC 1014160	22O11	53.42	6/23/01	6/22/03	CDC 1016415	22O11	53.41	7/19/01	7/18/03
CDC 1014161	22O11	53.41	6/23/01	6/22/03	CDC 1016416	22O11	53.42	7/19/01	7/18/03
CDC 1014162	22O11	53.41	6/23/01	6/22/03	CDC 1016417	22O11	53.41	7/19/01	7/18/03
CDC 1014163	22O11	53.42	6/23/01	6/22/03	CDC 1016418	22O11	53.41	7/19/01	7/18/03
CDC 1014164	22O11	53.42	6/23/01	6/22/03	CDC 1016419	22O11	53.42	7/19/01	7/18/03
CDC 1014165	22O11	53.41	6/23/01	6/22/03	CDC 1016420	22O11	53.41	7/19/01	7/18/03
CDC 1014166	22O11	53.41	6/23/01	6/22/03	CDC 1016421	22O11	53.41	7/19/01	7/18/03
CDC 1014167	22O11	53.42	6/23/01	6/22/03	CDC 1016422	22O11	53.42	7/19/01	7/18/03
CDC 1014168	22O11	53.41	6/23/01	6/22/03	CDC 1016423	22O11	53.41	7/19/01	7/18/03
CDC 1014169	22O11	53.41	6/23/01	6/22/03	CDC 1016424	22O11	53.41	7/19/01	7/18/03
CDC 1014170	22O11	53.42	6/23/01	6/22/03	CDC 1016425	22O11	53.40	7/19/01	7/18/03

Claim Identifier	NTS	Size (ha)	Recorded	Expires	Claim Identifier	NTS	Size (ha)	Recorded	Expires
CDC 1016426	22O11	53.39	7/19/01	7/18/03	CDC 1024969	22O11	53.37	7/19/01	7/18/03
CDC 1016427	22O11	53.39	7/19/01	7/18/03	CDC 1024970	22O11	53.36	7/19/01	7/18/03
CDC 1016428	22O11	53.40	7/19/01	7/18/03	CDC 1024971	22O11	53.36	7/19/01	7/18/03
CDC 1016429	22O11	53.39	7/19/01	7/18/03	CDC 1024972	22O11	53.37	7/19/01	7/18/03
CDC 1016430	22O11	53.38	7/19/01	7/18/03	CDC 1024973	22O11	53.36	7/19/01	7/18/03
CDC 1016431	22O11	53.38	7/19/01	7/18/03	CDC 1024974	22O11	53.36	7/19/01	7/18/03
CDC 1016432	22O11	53.39	7/19/01	7/18/03	CDC 1024975	22O11	53.37	7/19/01	7/18/03
CDC 1016433	22O11	53.38	7/19/01	7/18/03	CDC 1024976	22O11	53.36	7/19/01	7/18/03
CDC 1016434	22O11	53.38	7/19/01	7/18/03	CDC 1024977	22O11	53.36	7/19/01	7/18/03
CDC 1016435	22O11	53.39	7/19/01	7/18/03	CDC 1024978	22O11	53.35	7/19/01	7/18/03
CDC 1016436	22O11	53.38	7/19/01	7/18/03	CDC 1024979	22O11	53.35	7/19/01	7/18/03
CDC 1016437	22O11	53.38	7/19/01	7/18/03	CDC 1024980	22O11	53.36	7/19/01	7/18/03
CDC 1016438	22O11	53.39	7/19/01	7/18/03	CDC 1024981	22O11	53.35	7/19/01	7/18/03
CDC 1016439	22O11	53.38	7/19/01	7/18/03	CDC 1024982	22O11	53.35	7/19/01	7/18/03
CDC 1017526	22O11	53.50	5/14/01	5/13/03	CDC 1024983	22O11	53.36	7/19/01	7/18/03
CDC 1017527	22O11	53.50	5/14/01	5/13/03	CDC 1024984	22O11	53.39	7/19/01	7/18/03
CDC 1017528	22O11	53.51	5/14/01	5/13/03	CDC 1024985	22O11	53.40	7/19/01	7/18/03
CDC 1017529	22O11	53.50	5/14/01	5/13/03	CDC 1024986	22O11	53.40	7/19/01	7/18/03
CDC 1017530	22O11	53.50	5/14/01	5/13/03	CDC 1024987	22O11	53.40	7/19/01	7/18/03
CDC 1017531	22O11	53.51	5/14/01	5/13/03	CDC 1024988	22O11	53.40	7/19/01	7/18/03
CDC 1021885	22O11	53.46	6/22/01	6/21/03	CDC 1024989	22O11	53.40	7/19/01	7/18/03
CDC 1021886	22O11	53.46	6/22/01	6/21/03	CDC 1024990	22O11	53.40	7/19/01	7/18/03
CDC 1021887	22O11	53.46	6/22/01	6/21/03	CDC 1024991	22O11	53.39	7/19/01	7/18/03
CDC 1021888	22O11	53.46	6/22/01	6/21/03	CDC 1024992	22O11	53.39	7/19/01	7/18/03
CDC 1021889	22O11	53.46	6/22/01	6/21/03	CDC 1024993	22O11	53.39	7/19/01	7/18/03
CDC 1021890	22O11	53.45	6/22/01	6/21/03	CDC 1024994	22O11	53.39	7/19/01	7/18/03
CDC 1021891	22O11	53.45	6/22/01	6/21/03	CDC 1024995	22O11	53.39	7/19/01	7/18/03
CDC 1021892	22O11	53.45	6/22/01	6/21/03	CDC 1024996	22O11	53.39	7/19/01	7/18/03
CDC 1021893	22O11	53.45	6/22/01	6/21/03	CDC 1024997	22O11	53.39	7/19/01	7/18/03
CDC 1021894	22O11	53.45	6/22/01	6/21/03	CDC 1024998	22O11	53.38	7/19/01	7/18/03
CDC 1021895	22O11	53.45	6/22/01	6/21/03	CDC 1024999	22O11	53.38	7/19/01	7/18/03
CDC 1021896	22O11	53.44	6/22/01	6/21/03	CDC 1025000	22O11	53.39	7/19/01	7/18/03
CDC 1021897	22O11	53.44	6/22/01	6/21/03	CDC 1025001	22O11	53.38	7/19/01	7/18/03
CDC 1021898	22O11	53.45	6/22/01	6/21/03	CDC 1025002	22O11	53.38	7/19/01	7/18/03
CDC 1021899	22O11	53.44	6/22/01	6/21/03	CDC 1025003	22O11	53.39	7/19/01	7/18/03
CDC 1024944	22O11	53.47	7/19/01	7/18/03	CDC 1025004	22O11	53.38	7/19/01	7/18/03
CDC 1024945	22O11	53.47	7/19/01	7/18/03	CDC 1025005	22O11	53.37	7/19/01	7/18/03
CDC 1024946	22O11	53.47	7/19/01	7/18/03	CDC 1025006	22O11	53.37	7/19/01	7/18/03
CDC 1024947	22O11	53.47	7/19/01	7/18/03	CDC 1025007	22O11	53.37	7/19/01	7/18/03
CDC 1024948	22O11	53.47	7/19/01	7/18/03	CDC 1025008	22O11	53.37	7/19/01	7/18/03
CDC 1024949	22O11	53.45	7/19/01	7/18/03	CDC 1025009	22O11	53.37	7/19/01	7/18/03
CDC 1024950	22O11	53.46	7/19/01	7/18/03	CDC 1025010	22O11	53.37	7/19/01	7/18/03
CDC 1024951	22O11	53.45	7/19/01	7/18/03	CDC 1025011	22O11	53.37	7/19/01	7/18/03
CDC 1024952	22O11	53.45	7/19/01	7/18/03	CDC 1025051	22O11	53.50	7/20/01	7/19/03
CDC 1024953	22O11	53.46	7/19/01	7/18/03	CDC 1025052	22O11	53.51	7/20/01	7/19/03
CDC 1024954	22O11	53.44	7/19/01	7/18/03	CDC 1025053	22O11	53.51	7/20/01	7/19/03
CDC 1024955	22O11	53.45	7/19/01	7/18/03	CDC 1025054	22O11	53.51	7/20/01	7/19/03
CDC 1024956	22O11	53.44	7/19/01	7/18/03	CDC 1025055	22O11	53.50	7/20/01	7/19/03
CDC 1024957	22O11	53.44	7/19/01	7/18/03	CDC 1025056	22O11	53.50	7/20/01	7/19/03
CDC 1024958	22O11	53.45	7/19/01	7/18/03	CDC 1025057	22O11	53.51	7/20/01	7/19/03
CDC 1024959	22O11	53.44	7/19/01	7/18/03	CDC 1025058	22O11	53.50	7/20/01	7/19/03
CDC 1024960	22O11	53.44	7/19/01	7/18/03	CDC 1025059	22O11	53.50	7/20/01	7/19/03
CDC 1024961	22O11	53.45	7/19/01	7/18/03	CDC 1025060	22O11	53.49	7/20/01	7/19/03
CDC 1024962	22O11	53.42	7/19/01	7/18/03	CDC 1025061	22O11	53.49	7/20/01	7/19/03
CDC 1024963	22O11	53.43	7/19/01	7/18/03	CDC 1025062	22O11	53.49	7/20/01	7/19/03
CDC 1024964	22O11	53.39	7/19/01	7/18/03	CDC 1025063	22O11	53.49	7/20/01	7/19/03
CDC 1024965	22O11	53.39	7/19/01	7/18/03	CDC 1025064	22O11	53.49	7/20/01	7/19/03
CDC 1024966	22O11	53.38	7/19/01	7/18/03	CDC 1025065	22O11	53.49	7/20/01	7/19/03
CDC 1024967	22O11	53.38	7/19/01	7/18/03	CDC 1025066	22O11	53.49	7/20/01	7/19/03
CDC 1024968	22O11	53.36	7/19/01	7/18/03	CDC 1025067	22O11	53.49	7/20/01	7/19/03

Claim Identifier	NTS	Size (ha)	Recorded	Expires	Claim Identifier	NTS	Size (ha)	Recorded	Expires
CDC 1025068	22O11	53.48	7/20/01	7/19/03	CDC 1025128	22O11	53.37	7/20/01	7/19/03
CDC 1025069	22O11	53.48	7/20/01	7/19/03	CDC 1025129	22O11	53.37	7/20/01	7/19/03
CDC 1025070	22O11	53.48	7/20/01	7/19/03	CDC 1025130	22O11	53.37	7/20/01	7/19/03
CDC 1025071	22O11	53.48	7/20/01	7/19/03	CDC 1025131	22O11	53.41	7/20/01	7/19/03
CDC 1025072	22O11	53.48	7/20/01	7/19/03	CDC 1025132	22O11	53.41	7/20/01	7/19/03
CDC 1025073	22O11	53.48	7/20/01	7/19/03	CDC 1025133	22O11	53.39	7/20/01	7/19/03
CDC 1025074	22O11	53.48	7/20/01	7/19/03	CDC 1025134	22O11	53.38	7/20/01	7/19/03
CDC 1025075	22O11	53.47	7/20/01	7/19/03	CDC 1025135	22O11	53.36	7/20/01	7/19/03
CDC 1025076	22O11	53.47	7/20/01	7/19/03	CDC 1025136	22O11	53.37	7/20/01	7/19/03
CDC 1025077	22O11	53.38	7/20/01	7/19/03	CDC 1025137	22O11	53.36	7/20/01	7/19/03
CDC 1025078	22O11	53.39	7/20/01	7/19/03	CDC 1025138	22O11	53.37	7/20/01	7/19/03
CDC 1025079	22O11	53.38	7/20/01	7/19/03	CDC 1025139	22O11	53.35	7/20/01	7/19/03
CDC 1025080	22O11	53.38	7/20/01	7/19/03	CDC 1025140	22O11	53.36	7/20/01	7/19/03
CDC 1025081	22O11	53.39	7/20/01	7/19/03	CDC 1025141	22O11	53.35	7/20/01	7/19/03
CDC 1025082	22O11	53.37	7/20/01	7/19/03	CDC 1025142	22O11	53.35	7/20/01	7/19/03
CDC 1025083	22O11	53.38	7/20/01	7/19/03	CDC 1025143	22O11	53.36	7/20/01	7/19/03
CDC 1025084	22O11	53.36	7/20/01	7/19/03	CDC 1025144	22O11	53.36	7/20/01	7/19/03
CDC 1025085	22O11	53.36	7/20/01	7/19/03	CDC 1025145	22O11	53.36	7/20/01	7/19/03
CDC 1025086	22O11	53.37	7/20/01	7/19/03	CDC 1025146	22O11	53.36	7/20/01	7/19/03
CDC 1025087	22O11	53.36	7/20/01	7/19/03	CDC 1025147	22O11	53.36	7/20/01	7/19/03
CDC 1025088	22O11	53.36	7/20/01	7/19/03	CDC 1025148	22O11	53.36	7/20/01	7/19/03
CDC 1025089	22O11	53.37	7/20/01	7/19/03	CDC 1025149	22O11	53.36	7/20/01	7/19/03
CDC 1025090	22O11	53.36	7/20/01	7/19/03	CDC 1025150	22O11	53.36	7/20/01	7/19/03
CDC 1025091	22O11	53.42	7/20/01	7/19/03	CDC 1025151	22O11	53.36	7/20/01	7/19/03
CDC 1025092	22O11	53.41	7/20/01	7/19/03	CDC 1025152	22O11	53.36	7/20/01	7/19/03
CDC 1025093	22O11	53.42	7/20/01	7/19/03	CDC 1025153	22O11	53.36	7/20/01	7/19/03
CDC 1025094	22O11	53.41	7/20/01	7/19/03	CDC 1025154	22O11	53.36	7/20/01	7/19/03
CDC 1025095	22O11	53.40	7/20/01	7/19/03	CDC 1025155	22O11	53.36	7/20/01	7/19/03
CDC 1025096	22O11	53.39	7/20/01	7/19/03	CDC 1025156	22O11	53.36	7/20/01	7/19/03
CDC 1025097	22O11	53.40	7/20/01	7/19/03	CDC 1025157	22O11	53.35	7/20/01	7/19/03
CDC 1025098	22O11	53.39	7/20/01	7/19/03	CDC 1025158	22O11	53.36	7/20/01	7/19/03
CDC 1025099	22O11	53.39	7/20/01	7/19/03	CDC 1025159	22O11	53.35	7/20/01	7/19/03
CDC 1025100	22O11	53.40	7/20/01	7/19/03	CDC 1025160	22O11	53.35	7/20/01	7/19/03
CDC 1025101	22O11	53.40	7/20/01	7/19/03	CDC 1025161	22O11	53.36	7/20/01	7/19/03
CDC 1025102	22O11	53.40	7/20/01	7/19/03	CDC 1025162	22O11	53.35	7/20/01	7/19/03
CDC 1025103	22O11	53.40	7/20/01	7/19/03	CDC 1025163	22O11	53.35	7/20/01	7/19/03
CDC 1025104	22O11	53.40	7/20/01	7/19/03	CDC 1025164	22O11	53.36	7/20/01	7/19/03
CDC 1025105	22O11	53.39	7/20/01	7/19/03	CDC 1025165	22O11	53.35	7/20/01	7/19/03
CDC 1025106	22O11	53.38	7/20/01	7/19/03	CDC 1025166	22O11	53.35	7/20/01	7/19/03
CDC 1025107	22O11	53.39	7/20/01	7/19/03	CDC 1025167	22O11	53.36	7/20/01	7/19/03
CDC 1025108	22O11	53.38	7/20/01	7/19/03	CDC 1025168	22O11	53.35	7/20/01	7/19/03
CDC 1025109	22O11	53.39	7/20/01	7/19/03	CDC 1025169	22O11	53.35	7/20/01	7/19/03
CDC 1025110	22O11	53.39	7/20/01	7/19/03	CDC 1025170	22O11	53.36	7/20/01	7/19/03
CDC 1025111	22O11	53.39	7/20/01	7/19/03	CDC 1025197	22O11	53.37	7/20/01	7/19/03
CDC 1025112	22O11	53.39	7/20/01	7/19/03	CDC 1025198	22O11	53.36	7/20/01	7/19/03
CDC 1025113	22O11	53.39	7/20/01	7/19/03	CDC 1025199	22O11	53.35	7/20/01	7/19/03
CDC 1025114	22O11	53.39	7/20/01	7/19/03	CDC 1025200	22O11	53.35	7/20/01	7/19/03
CDC 1025115	22O11	53.38	7/20/01	7/19/03	CDC 1025201	22O11	53.36	7/20/01	7/19/03
CDC 1025116	22O11	53.39	7/20/01	7/19/03	CDC 1025202	22O11	53.35	7/20/01	7/19/03
CDC 1025117	22O11	53.38	7/20/01	7/19/03	CDC 1025203	22O11	53.35	7/20/01	7/19/03
CDC 1025118	22O11	53.39	7/20/01	7/19/03	CDC 1025204	22O11	53.36	7/20/01	7/19/03
CDC 1025119	22O11	53.38	7/20/01	7/19/03	CDC 1025205	22O11	53.35	7/20/01	7/19/03
CDC 1025120	22O11	53.38	7/20/01	7/19/03	CDC 1025206	22O11	53.35	7/20/01	7/19/03
CDC 1025121	22O11	53.39	7/20/01	7/19/03	CDC 1025207	22O11	53.36	7/20/01	7/19/03
CDC 1025122	22O11	53.38	7/20/01	7/19/03	CDC 1025208	22O11	53.35	7/20/01	7/19/03
CDC 1025123	22O11	53.39	7/20/01	7/19/03	CDC 1025209	22O11	53.35	7/20/01	7/19/03
CDC 1025124	22O11	53.38	7/20/01	7/19/03	CDC 1025210	22O11	53.36	7/20/01	7/19/03
CDC 1025125	22O11	53.38	7/20/01	7/19/03	CDC 1025211	22O11	53.33	7/20/01	7/19/03
CDC 1025126	22O11	53.37	7/20/01	7/19/03	CDC 1025212	22O11	53.34	7/20/01	7/19/03
CDC 1025127	22O11	53.37	7/20/01	7/19/03	CDC 1025213	22O11	53.33	7/20/01	7/19/03

Claim Identifier	NTS	Size (ha)	Recorded	Expires	Claim Identifier	NTS	Size (ha)	Recorded	Expires
CDC 1025214	22O11	53.33	7/20/01	7/19/03	CDC 1025276	22O11	53.35	7/20/01	7/19/03
CDC 1025215	22O11	53.34	7/20/01	7/19/03	CDC 1025277	22O11	53.34	7/20/01	7/19/03
CDC 1025216	22O11	53.33	7/20/01	7/19/03	CDC 1025278	22O11	53.34	7/20/01	7/19/03
CDC 1025217	22O11	53.33	7/20/01	7/19/03	CDC 1025279	22O10	53.54	7/20/01	7/19/03
CDC 1025218	22O11	53.34	7/20/01	7/19/03	CDC 1025280	22O10	53.55	7/20/01	7/19/03
CDC 1025219	22O11	53.34	7/20/01	7/19/03	CDC 1025281	22O10	53.55	7/20/01	7/19/03
CDC 1025220	22O11	53.34	7/20/01	7/19/03	CDC 1025282	22O10	53.54	7/20/01	7/19/03
CDC 1025221	22O11	53.34	7/20/01	7/19/03	CDC 1025283	22O10	53.54	7/20/01	7/19/03
CDC 1025222	22O11	53.34	7/20/01	7/19/03	CDC 1025284	22O10	53.55	7/20/01	7/19/03
CDC 1025223	22O11	53.34	7/20/01	7/19/03	CDC 1025285	22O10	53.52	7/20/01	7/19/03
CDC 1025224	22O11	53.34	7/20/01	7/19/03	CDC 1025286	22O10	53.52	7/20/01	7/19/03
CDC 1025225	22O11	53.34	7/20/01	7/19/03	CDC 1025287	22O10	53.53	7/20/01	7/19/03
CDC 1025226	22O11	53.34	7/20/01	7/19/03	CDC 1025288	22O10	53.52	7/20/01	7/19/03
CDC 1025227	22O11	53.34	7/20/01	7/19/03	CDC 1025289	22O10	53.52	7/20/01	7/19/03
CDC 1025228	22O11	53.34	7/20/01	7/19/03	CDC 1025290	22O10	53.53	7/20/01	7/19/03
CDC 1025229	22O11	53.34	7/20/01	7/19/03	CDC 1025291	22O10	53.52	7/20/01	7/19/03
CDC 1025230	22O11	53.34	7/20/01	7/19/03	CDC 1025292	22O10	53.51	7/20/01	7/19/03
CDC 1025231	22O11	53.34	7/20/01	7/19/03	CDC 1025293	22O10	53.51	7/20/01	7/19/03
CDC 1025232	22O11	53.34	7/20/01	7/19/03	CDC 1025294	22O10	53.52	7/20/01	7/19/03
CDC 1025233	22O11	53.34	7/20/01	7/19/03	CDC 1025295	22O10	53.51	7/20/01	7/19/03
CDC 1025234	22O11	53.34	7/20/01	7/19/03	CDC 1025296	22O10	53.52	7/20/01	7/19/03
CDC 1025235	22O11	53.34	7/20/01	7/19/03	CDC 1025297	22O10	53.51	7/20/01	7/19/03
CDC 1025236	22O11	53.34	7/20/01	7/19/03	CDC 1025298	22O10	53.51	7/20/01	7/19/03
CDC 1025239	22O11	53.37	7/20/01	7/19/03	CDC 1025299	22O10	53.52	7/20/01	7/19/03
CDC 1025240	22O11	53.37	7/20/01	7/19/03	CDC 1025300	22O10	53.49	7/20/01	7/19/03
CDC 1025241	22O11	53.37	7/20/01	7/19/03	CDC 1025301	22O10	53.50	7/20/01	7/19/03
CDC 1025242	22O11	53.37	7/20/01	7/19/03	CDC 1025302	22O10	53.49	7/20/01	7/19/03
CDC 1025243	22O11	53.37	7/20/01	7/19/03	CDC 1025303	22O10	53.49	7/20/01	7/19/03
CDC 1025244	22O11	53.37	7/20/01	7/19/03	CDC 1025304	22O10	53.50	7/20/01	7/19/03
CDC 1025245	22O11	53.37	7/20/01	7/19/03	CDC 1025305	22O10	53.48	7/20/01	7/19/03
CDC 1025246	22O11	53.37	7/20/01	7/19/03	CDC 1025306	22O10	53.48	7/20/01	7/19/03
CDC 1025247	22O11	53.38	7/20/01	7/19/03	CDC 1025307	22O10	53.49	7/20/01	7/19/03
CDC 1025248	22O11	53.36	7/20/01	7/19/03	CDC 1025308	22O10	53.48	7/20/01	7/19/03
CDC 1025249	22O11	53.36	7/20/01	7/19/03	CDC 1025309	22O10	53.49	7/20/01	7/19/03
CDC 1025250	22O11	53.36	7/20/01	7/19/03	CDC 1025310	22O10	53.48	7/20/01	7/19/03
CDC 1025251	22O11	53.36	7/20/01	7/19/03	CDC 1025311	22O10	53.48	7/20/01	7/19/03
CDC 1025252	22O11	53.36	7/20/01	7/19/03	CDC 1025312	22O10	53.49	7/20/01	7/19/03
CDC 1025253	22O11	53.36	7/20/01	7/19/03	CDC 1025313	22O10	53.46	7/20/01	7/19/03
CDC 1025254	22O11	53.36	7/20/01	7/19/03	CDC 1025314	22O10	53.47	7/20/01	7/19/03
CDC 1025255	22O11	53.36	7/20/01	7/19/03	CDC 1025315	22O10	53.46	7/20/01	7/19/03
CDC 1025256	22O11	53.37	7/20/01	7/19/03	CDC 1025316	22O10	53.46	7/20/01	7/19/03
CDC 1025257	22O11	53.35	7/20/01	7/19/03	CDC 1025317	22O10	53.45	7/20/01	7/19/03
CDC 1025258	22O11	53.35	7/20/01	7/19/03	CDC 1025318	22O10	53.46	7/20/01	7/19/03
CDC 1025259	22O11	53.36	7/20/01	7/19/03	CDC 1025319	22O10	53.48	7/20/01	7/19/03
CDC 1025260	22O11	53.36	7/20/01	7/19/03	CDC 1025320	22O10	53.48	7/20/01	7/19/03
CDC 1025261	22O11	53.35	7/20/01	7/19/03	CDC 1025321	22O10	53.49	7/20/01	7/19/03
CDC 1025262	22O11	53.36	7/20/01	7/19/03	CDC 1025322	22O10	53.49	7/20/01	7/19/03
CDC 1025263	22O11	53.36	7/20/01	7/19/03	CDC 1025323	22O10	53.48	7/20/01	7/19/03
CDC 1025264	22O11	53.36	7/20/01	7/19/03	CDC 1025324	22O10	53.48	7/20/01	7/19/03
CDC 1025265	22O11	53.36	7/20/01	7/19/03	CDC 1025325	22O10	53.48	7/20/01	7/19/03
CDC 1025266	22O11	53.36	7/20/01	7/19/03	CDC 1025326	22O10	53.48	7/20/01	7/19/03
CDC 1025267	22O11	53.36	7/20/01	7/19/03	CDC 1025327	22O10	53.46	7/20/01	7/19/03
CDC 1025268	22O11	53.34	7/20/01	7/19/03	CDC 1025328	22O10	53.47	7/20/01	7/19/03
CDC 1025269	22O11	53.34	7/20/01	7/19/03	CDC 1025329	22O10	53.46	7/20/01	7/19/03
CDC 1025270	22O11	53.34	7/20/01	7/19/03	CDC 1025330	22O10	53.47	7/20/01	7/19/03
CDC 1025271	22O11	53.34	7/20/01	7/19/03	CDC 1025331	22O10	53.46	7/20/01	7/19/03
CDC 1025272	22O11	53.34	7/20/01	7/19/03	CDC 1025332	22O10	53.45	7/20/01	7/19/03
CDC 1025273	22O11	53.35	7/20/01	7/19/03	CDC 1025333	22O10	53.46	7/20/01	7/19/03
CDC 1025274	22O11	53.34	7/20/01	7/19/03	CDC 1025334	22O10	53.45	7/20/01	7/19/03
CDC 1025275	22O11	53.34	7/20/01	7/19/03	CDC 1025335	22O10	53.45	7/20/01	7/19/03

Claim Identifier	NTS	Size (ha)	Recorded	Expires	Claim Identifier	NTS	Size (ha)	Recorded	Expires
CDC 1025336	22O10	53.45	7/20/01	7/19/03	CDC 1025396	22O10	53.58	7/20/01	7/19/03
CDC 1025337	22O10	53.46	7/20/01	7/19/03	CDC 1025397	22O10	53.48	7/20/01	7/19/03
CDC 1025338	22O10	53.45	7/20/01	7/19/03	CDC 1025398	22O10	53.46	7/20/01	7/19/03
CDC 1025339	22O10	53.43	7/20/01	7/19/03	CDC 1025437	22O14	53.32	7/25/01	7/24/03
CDC 1025340	22O10	53.44	7/20/01	7/19/03	CDC 1025438	22O14	53.32	7/25/01	7/24/03
CDC 1025341	22O10	53.43	7/20/01	7/19/03	CDC 1025439	22O14	53.33	7/25/01	7/24/03
CDC 1025342	22O10	53.43	7/20/01	7/19/03	CDC 1025440	22O14	53.33	7/25/01	7/24/03
CDC 1025343	22O10	53.42	7/20/01	7/19/03	CDC 1025441	22O14	53.33	7/25/01	7/24/03
CDC 1025344	22O10	53.42	7/20/01	7/19/03	CDC 1025442	22O14	53.33	7/25/01	7/24/03
CDC 1025345	22O10	53.43	7/20/01	7/19/03	CDC 1025443	22O14	53.33	7/25/01	7/24/03
CDC 1025346	22O10	53.42	7/20/01	7/19/03	CDC 1025444	22O14	53.33	7/25/01	7/24/03
CDC 1025347	22O10	53.42	7/20/01	7/19/03	CDC 1025445	22O14	53.33	7/25/01	7/24/03
CDC 1025348	22O10	53.42	7/20/01	7/19/03	CDC 1025446	22O14	53.33	7/25/01	7/24/03
CDC 1025349	22O10	53.42	7/20/01	7/19/03	CDC 1025447	22O14	53.33	7/25/01	7/24/03
CDC 1025350	22O10	53.43	7/20/01	7/19/03	CDC 1025448	22O14	53.33	7/25/01	7/24/03
CDC 1025351	22O10	53.42	7/20/01	7/19/03	CDC 1025449	22O14	53.33	7/25/01	7/24/03
CDC 1025352	22O10	53.42	7/20/01	7/19/03	CDC 1025450	22O14	53.33	7/25/01	7/24/03
CDC 1025353	22O10	53.40	7/20/01	7/19/03	CDC 1025451	22O14	53.33	7/25/01	7/24/03
CDC 1025354	22O10	53.41	7/20/01	7/19/03	CDC 1025452	22O14	53.33	7/25/01	7/24/03
CDC 1025355	22O10	53.40	7/20/01	7/19/03	CDC 1025453	22O14	53.33	7/25/01	7/24/03
CDC 1025356	22O10	53.41	7/20/01	7/19/03	CDC 1025454	22O14	53.33	7/25/01	7/24/03
CDC 1025357	22O10	53.39	7/20/01	7/19/03	CDC 1025455	22O14	53.33	7/25/01	7/24/03
CDC 1025358	22O10	53.39	7/20/01	7/19/03	CDC 1025456	22O14	53.33	7/25/01	7/24/03
CDC 1025359	22O10	53.45	7/20/01	7/19/03	CDC 1025457	22O14	53.32	7/25/01	7/24/03
CDC 1025360	22O10	53.46	7/20/01	7/19/03	CDC 1025458	22O14	53.32	7/25/01	7/24/03
CDC 1025361	22O10	53.46	7/20/01	7/19/03	CDC 1025459	22O14	53.33	7/25/01	7/24/03
CDC 1025362	22O10	53.45	7/20/01	7/19/03	CDC 1025460	22O14	53.32	7/25/01	7/24/03
CDC 1025363	22O10	53.46	7/20/01	7/19/03	CDC 1025461	22O14	53.32	7/25/01	7/24/03
CDC 1025364	22O10	53.45	7/20/01	7/19/03	CDC 1025462	22O14	53.33	7/25/01	7/24/03
CDC 1025365	22O10	53.45	7/20/01	7/19/03	CDC 1025463	22O14	53.32	7/25/01	7/24/03
CDC 1025366	22O10	53.46	7/20/01	7/19/03	CDC 1025464	22O14	53.32	7/25/01	7/24/03
CDC 1025367	22O10	53.45	7/20/01	7/19/03	CDC 1025465	22O14	53.33	7/25/01	7/24/03
CDC 1025368	22O10	53.43	7/20/01	7/19/03	CDC 1025466	22O14	53.32	7/25/01	7/24/03
CDC 1025369	22O10	53.44	7/20/01	7/19/03	CDC 1025467	22O14	53.32	7/25/01	7/24/03
CDC 1025370	22O10	53.44	7/20/01	7/19/03	CDC 1025468	22O14	53.33	7/25/01	7/24/03
CDC 1025371	22O10	53.44	7/20/01	7/19/03	CDC 1025469	22O14	53.32	7/25/01	7/24/03
CDC 1025372	22O10	53.43	7/20/01	7/19/03	CDC 1025470	22O14	53.32	7/25/01	7/24/03
CDC 1025373	22O10	53.43	7/20/01	7/19/03	CDC 1025471	22O14	53.33	7/25/01	7/24/03
CDC 1025374	22O10	53.43	7/20/01	7/19/03	CDC 1025472	22O14	53.32	7/25/01	7/24/03
CDC 1025375	22O10	53.43	7/20/01	7/19/03	CDC 1025473	22O14	53.32	7/25/01	7/24/03
CDC 1025376	22O10	53.42	7/20/01	7/19/03	CDC 1025474	22O14	53.33	7/25/01	7/24/03
CDC 1025377	22O10	53.42	7/20/01	7/19/03	CDC 1025475	22O14	53.32	7/25/01	7/24/03
CDC 1025378	22O10	53.43	7/20/01	7/19/03	CDC 1025476	22O14	53.32	7/25/01	7/24/03
CDC 1025379	22O10	53.42	7/20/01	7/19/03	CDC 1025477	22O14	53.33	7/25/01	7/24/03
CDC 1025380	22O10	53.42	7/20/01	7/19/03	CDC 1025478	22O14	53.33	7/25/01	7/24/03
CDC 1025381	22O10	53.38	7/20/01	7/19/03	CDC 1025479	22O14	53.33	7/25/01	7/24/03
CDC 1025382	22O10	53.38	7/20/01	7/19/03	CDC 1025480	22O14	53.33	7/25/01	7/24/03
CDC 1025383	22O10	53.38	7/20/01	7/19/03	CDC 1025481	22O14	53.33	7/25/01	7/24/03
CDC 1025384	22O10	53.38	7/20/01	7/19/03	CDC 1025482	22O14	53.33	7/25/01	7/24/03
CDC 1025385	22O10	53.38	7/20/01	7/19/03	CDC 1025483	22O14	53.34	7/25/01	7/24/03
CDC 1025386	22O10	53.36	7/20/01	7/19/03	CDC 1025484	22O14	53.33	7/25/01	7/24/03
CDC 1025387	22O10	53.37	7/20/01	7/19/03	CDC 1025485	22O14	53.33	7/25/01	7/24/03
CDC 1025388	22O10	53.37	7/20/01	7/19/03	CDC 1025486	22O14	53.34	7/25/01	7/24/03
CDC 1025389	22O10	53.36	7/20/01	7/19/03	CDC 1025487	22O14	53.33	7/25/01	7/24/03
CDC 1025390	22O10	53.37	7/20/01	7/19/03	CDC 1025488	22O14	53.33	7/25/01	7/24/03
CDC 1025391	22O10	53.36	7/20/01	7/19/03	CDC 1025489	22O14	53.33	7/25/01	7/24/03
CDC 1025392	22O10	53.35	7/20/01	7/19/03	CDC 1025490	22O14	53.32	7/25/01	7/24/03
CDC 1025393	22O10	53.60	7/20/01	7/19/03	CDC 1025491	22O14	53.32	7/25/01	7/24/03
CDC 1025394	22O10	53.60	7/20/01	7/19/03	CDC 1025492	22O14	53.33	7/25/01	7/24/03
CDC 1025395	22O10	53.58	7/20/01	7/19/03	CDC 1025493	22O14	53.32	7/25/01	7/24/03

Claim Identifier	NTS	Size (ha)	Recorded	Expires	Claim Identifier	NTS	Size (ha)	Recorded	Expires
CDC 1025494	22O14	53.33	7/25/01	7/24/03	CDC 1026476	22O11	53.47	11/5/01	8/21/03
CDC 1025495	22O14	53.33	7/25/01	7/24/03	CDC 1026477	22O11	53.47	11/5/01	8/21/03
CDC 1025496	22O14	53.33	7/25/01	7/24/03	CDC 1026478	22O11	53.48	11/5/01	8/21/03
CDC 1025497	22O14	53.33	7/25/01	7/24/03	CDC 1026479	22O11	53.47	11/5/01	8/21/03
CDC 1025498	22O14	53.33	7/25/01	7/24/03	CDC 1026480	22O11	53.47	11/5/01	8/21/03
CDC 1025499	22O14	53.33	7/25/01	7/24/03	CDC 1026481	22O11	53.48	11/5/01	8/21/03
CDC 1025500	22O14	53.33	7/25/01	7/24/03	CDC 1026482	22O11	53.47	11/5/01	8/21/03
CDC 1025501	22O14	53.31	7/25/01	7/24/03	CDC 1026483	22O11	53.47	11/5/01	8/21/03
CDC 1025502	22O14	53.31	7/25/01	7/24/03	CDC 1026484	22O11	53.48	11/5/01	8/21/03
CDC 1025503	22O14	53.31	7/25/01	7/24/03	CDC 1026485	22O11	53.47	11/5/01	8/21/03
CDC 1025504	22O14	53.31	7/25/01	7/24/03	CDC 1026486	22O11	53.47	11/5/01	8/21/03
CDC 1025505	22O14	53.31	7/25/01	7/24/03	CDC 1026487	22O11	53.48	11/5/01	8/21/03
CDC 1025506	22O14	53.31	7/25/01	7/24/03	CDC 1026488	22O11	53.45	11/5/01	8/21/03
CDC 1025507	22O14	53.31	7/25/01	7/24/03	CDC 1026489	22O11	53.45	11/5/01	8/21/03
CDC 1025508	22O14	53.31	7/25/01	7/24/03	CDC 1026490	22O11	53.46	11/5/01	8/21/03
CDC 1025509	22O14	53.32	7/25/01	7/24/03	CDC 1026491	22O11	53.45	11/5/01	8/21/03
CDC 1025510	22O14	53.31	7/25/01	7/24/03	CDC 1026492	22O11	53.45	11/5/01	8/21/03
CDC 1025511	22O14	53.31	7/25/01	7/24/03	CDC 1026493	22O11	53.46	11/5/01	8/21/03
CDC 1025512	22O14	53.32	7/25/01	7/24/03	CDC 1026494	22O11	53.45	11/5/01	8/21/03
CDC 1025513	22O14	53.31	7/25/01	7/24/03	CDC 1026495	22O11	53.45	11/5/01	8/21/03
CDC 1025514	22O14	53.31	7/25/01	7/24/03	CDC 1026496	22O11	53.46	11/5/01	8/21/03
CDC 1025515	22O14	53.32	7/25/01	7/24/03	CDC 1026497	22O11	53.45	11/5/01	8/21/03
CDC 1025516	22O14	53.31	7/25/01	7/24/03	CDC 1026498	22O11	53.45	11/5/01	8/21/03
CDC 1026172	22O12	53.39	8/28/01	8/27/03	CDC 1026499	22O11	53.46	11/5/01	8/21/03
CDC 1026173	22O12	53.38	8/28/01	8/27/03	CDC 1026500	22O11	53.46	11/5/01	8/21/03
CDC 1026174	22O12	53.38	8/28/01	8/27/03	CDC 1026501	22O11	53.46	11/5/01	8/21/03
CDC 1026175	22O12	53.38	8/28/01	8/27/03	CDC 1026502	22O11	53.46	11/5/01	8/21/03
CDC 1026176	22O12	53.38	8/28/01	8/27/03	CDC 1026503	22O11	53.46	11/5/01	8/21/03
CDC 1026177	22O12	53.36	8/28/01	8/27/03	CDC 1026504	22O11	53.44	11/5/01	8/21/03
CDC 1026178	22O12	53.37	8/28/01	8/27/03	CDC 1026505	22O11	53.44	11/5/01	8/21/03
CDC 1026179	22O12	53.36	8/28/01	8/27/03	CDC 1026506	22O11	53.45	11/5/01	8/21/03
CDC 1026180	22O12	53.35	8/28/01	8/27/03	CDC 1026507	22O11	53.44	11/5/01	8/21/03
CDC 1026181	22O12	53.36	8/28/01	8/27/03	CDC 1026508	22O11	53.44	11/5/01	8/21/03
CDC 1026182	22O12	53.35	8/28/01	8/27/03	CDC 1026509	22O11	53.45	11/5/01	8/21/03
CDC 1026183	22O12	53.36	8/28/01	8/27/03	CDC 1026510	22O11	53.44	11/5/01	8/21/03
CDC 1026184	22O12	53.35	8/28/01	8/27/03	CDC 1026511	22O11	53.44	11/5/01	8/21/03
CDC 1026185	22O12	53.34	8/28/01	8/27/03	CDC 1026512	22O11	53.45	11/5/01	8/21/03
CDC 1026186	22O12	53.33	8/28/01	8/27/03	CDC 1026513	22O11	53.44	11/5/01	8/21/03
CDC 1026454	22O11	53.49	11/5/01	8/21/03	CDC 1026514	22O11	53.44	11/5/01	8/21/03
CDC 1026455	22O11	53.48	11/5/01	8/21/03	CDC 1026515	22O11	53.45	11/5/01	8/21/03
CDC 1026456	22O11	53.48	11/5/01	8/21/03	CDC 1026516	22O11	53.45	11/5/01	8/21/03
CDC 1026457	22O11	53.49	11/5/01	8/21/03	CDC 1026517	22O11	53.45	11/5/01	8/21/03
CDC 1026458	22O11	53.48	11/5/01	8/21/03	CDC 1026518	22O11	53.45	11/5/01	8/21/03
CDC 1026459	22O11	53.47	11/5/01	8/21/03	CDC 1026519	22O11	53.45	11/5/01	8/21/03
CDC 1026460	22O11	53.48	11/5/01	8/21/03	CDC 1026520	22O11	53.44	11/5/01	8/21/03
CDC 1026461	22O11	53.47	11/5/01	8/21/03	CDC 1026521	22O11	53.44	11/5/01	8/21/03
CDC 1026462	22O11	53.47	11/5/01	8/21/03	CDC 1026522	22O11	53.45	11/5/01	8/21/03
CDC 1026463	22O11	53.48	11/5/01	8/21/03	CDC 1026523	22O11	53.44	11/5/01	8/21/03
CDC 1026464	22O11	53.47	11/5/01	8/21/03	CDC 1026524	22O11	53.44	11/5/01	8/21/03
CDC 1026465	22O11	53.47	11/5/01	8/21/03	CDC 1026525	22O11	53.45	11/5/01	8/21/03
CDC 1026466	22O11	53.48	11/5/01	8/21/03	CDC 1026526	22O11	53.44	11/5/01	8/21/03
CDC 1026467	22O11	53.47	11/5/01	8/21/03	CDC 1026527	22O11	53.44	11/5/01	8/21/03
CDC 1026468	22O11	53.47	11/5/01	8/21/03	CDC 1026528	22O11	53.45	11/5/01	8/21/03
CDC 1026469	22O11	53.48	11/5/01	8/21/03	CDC 1026529	22O11	53.44	11/5/01	8/21/03
CDC 1026470	22O11	53.47	11/5/01	8/21/03	CDC 1026530	22O11	53.44	11/5/01	8/21/03
CDC 1026471	22O11	53.47	11/5/01	8/21/03	CDC 1026531	22O11	53.45	11/5/01	8/21/03
CDC 1026472	22O11	53.48	11/5/01	8/21/03	CDC 1026532	22O11	53.44	11/5/01	8/21/03
CDC 1026473	22O11	53.47	11/5/01	8/21/03	CDC 1026533	22O11	53.44	11/5/01	8/21/03
CDC 1026474	22O11	53.47	11/5/01	8/21/03	CDC 1026534	22O11	53.45	11/5/01	8/21/03
CDC 1026475	22O11	53.48	11/5/01	8/21/03	CDC 1026535	22O11	53.44	11/5/01	8/21/03

Claim Identifier	NTS	Size (ha)	Recorded	Expires	Claim Identifier	NTS	Size (ha)	Recorded	Expires
CDC 1026536	22O11	53.43	11/5/01	8/21/03	CDC 1042164	22O14	53.34	12/14/01	12/13/03
CDC 1026537	22O11	53.42	11/5/01	8/21/03	CDC 1042165	22O14	53.33	12/14/01	12/13/03
CDC 1026538	22O11	53.42	11/5/01	8/21/03	CDC 1042166	22O14	53.34	12/14/01	12/13/03
CDC 1026539	22O11	53.43	11/5/01	8/21/03	CDC 1042167	22O14	53.33	12/14/01	12/13/03
CDC 1026540	22O11	53.42	11/5/01	8/21/03	CDC 1042168	22O14	53.33	12/14/01	12/13/03
CDC 1026541	22O11	53.42	11/5/01	8/21/03	CDC 1042169	22O14	53.34	12/14/01	12/13/03
CDC 1026542	22O11	53.43	11/5/01	8/21/03	CDC 1042170	22O14	53.33	12/14/01	12/13/03
CDC 1026543	22O11	53.42	11/5/01	8/21/03	CDC 1042171	22O14	53.33	12/14/01	12/13/03
CDC 1026544	22O11	53.43	11/5/01	8/21/03	CDC 1042172	22O14	53.34	12/14/01	12/13/03
CDC 1026545	22O11	53.43	11/5/01	8/21/03	CDC 1042173	22O14	53.33	12/14/01	12/13/03
CDC 1026546	22O11	53.43	11/5/01	8/21/03	CDC 1042174	22O14	53.33	12/14/01	12/13/03
CDC 1026547	22O11	53.43	11/5/01	8/21/03	CDC 1042175	22O14	53.34	12/14/01	12/13/03
CDC 1026548	22O11	53.43	11/5/01	8/21/03	CDC 1042176	22O14	53.33	12/14/01	12/13/03
CDC 1026549	22O11	53.43	11/5/01	8/21/03	CDC 1042177	22O14	53.33	12/14/01	12/13/03
CDC 1041616	22O10	53.36	12/6/01	12/5/03	CDC 1042178	22O14	53.34	12/14/01	12/13/03
CDC 1041617	22O10	53.37	12/6/01	12/5/03	CDC 1042179	22O14	53.33	12/14/01	12/13/03
CDC 1041618	22O10	53.36	12/6/01	12/5/03	CDC 1042180	22O14	53.33	12/14/01	12/13/03
CDC 1041619	22O10	53.36	12/6/01	12/5/03	CDC 1042181	22O14	53.33	12/14/01	12/13/03
CDC 1041620	22O10	53.37	12/6/01	12/5/03	CDC 1042182	22O14	53.33	12/14/01	12/13/03
CDC 1041621	22O10	53.36	12/6/01	12/5/03	CDC 1042183	22O14	53.33	12/14/01	12/13/03
CDC 1041622	22O10	53.34	12/6/01	12/5/03	CDC 1042184	22O14	53.33	12/14/01	12/13/03
CDC 1041623	22O10	53.35	12/6/01	12/5/03	CDC 1042185	22O14	53.33	12/14/01	12/13/03
CDC 1041624	22O10	53.34	12/6/01	12/5/03	CDC 1042186	22O14	53.33	12/14/01	12/13/03
CDC 1041625	22O10	53.35	12/6/01	12/5/03	CDC 1042187	22O14	53.33	12/14/01	12/13/03
CDC 1041626	22O10	53.35	12/6/01	12/5/03	CDC 1042188	22O14	53.33	12/14/01	12/13/03
CDC 1041627	22O15	53.33	12/6/01	12/5/03	CDC 1042189	22O14	53.33	12/14/01	12/13/03
CDC 1041628	22O15	53.34	12/6/01	12/5/03	CDC 1042190	22O14	53.33	12/14/01	12/13/03
CDC 1041629	22O15	53.34	12/6/01	12/5/03	CDC 1042191	22O14	53.33	12/14/01	12/13/03
CDC 1041630	22O15	53.34	12/6/01	12/5/03	CDC 1042192	22O14	53.31	12/14/01	12/13/03
CDC 1041631	22O15	53.34	12/6/01	12/5/03	CDC 1042193	22O14	53.32	12/14/01	12/13/03
CDC 1041632	22O15	53.33	12/6/01	12/5/03	CDC 1042194	22O14	53.31	12/14/01	12/13/03
CDC 1041633	22O15	53.34	12/6/01	12/5/03	CDC 1042195	22O14	53.31	12/14/01	12/13/03
CDC 1041634	22O15	53.33	12/6/01	12/5/03	CDC 1042196	22O14	53.32	12/14/01	12/13/03
CDC 1041635	22O15	53.32	12/6/01	12/5/03	CDC 1042197	22O14	53.31	12/14/01	12/13/03
CDC 1041636	22O15	53.31	12/6/01	12/5/03	CDC 1042198	22O14	53.31	12/14/01	12/13/03
CDC 1041637	22O10	53.35	12/6/01	12/5/03	CDC 1042199	22O14	53.32	12/14/01	12/13/03
CDC 1042140	22O14	53.34	12/14/01	12/13/03	CDC 1042200	22O14	53.31	12/14/01	12/13/03
CDC 1042141	22O14	53.33	12/14/01	12/13/03	CDC 1042201	22O14	53.31	12/14/01	12/13/03
CDC 1042142	22O14	53.33	12/14/01	12/13/03	CDC 1042202	22O14	53.32	12/14/01	12/13/03
CDC 1042143	22O14	53.34	12/14/01	12/13/03	CDC 1042203	22O14	53.31	12/14/01	12/13/03
CDC 1042144	22O14	53.33	12/14/01	12/13/03	CDC 1042204	22O14	53.31	12/14/01	12/13/03
CDC 1042145	22O14	53.33	12/14/01	12/13/03	CDC 1042205	22O14	53.30	12/14/01	12/13/03
CDC 1042146	22O14	53.34	12/14/01	12/13/03	CDC 1042206	22O14	53.31	12/14/01	12/13/03
CDC 1042147	22O14	53.33	12/14/01	12/13/03	CDC 1042207	22O14	53.30	12/14/01	12/13/03
CDC 1042148	22O14	53.33	12/14/01	12/13/03	CDC 1042208	22O14	53.30	12/14/01	12/13/03
CDC 1042149	22O14	53.34	12/14/01	12/13/03	CDC 1042209	22O14	53.31	12/14/01	12/13/03
CDC 1042150	22O14	53.33	12/14/01	12/13/03	CDC 1042210	22O14	53.30	12/14/01	12/13/03
CDC 1042151	22O14	53.33	12/14/01	12/13/03	CDC 1042211	22O14	53.30	12/14/01	12/13/03
CDC 1042152	22O14	53.34	12/14/01	12/13/03	CDC 1042212	22O14	53.31	12/14/01	12/13/03
CDC 1042153	22O14	53.33	12/14/01	12/13/03	CDC 1042213	22O14	53.30	12/14/01	12/13/03
CDC 1042154	22O14	53.33	12/14/01	12/13/03	CDC 1042214	22O14	53.30	12/14/01	12/13/03
CDC 1042155	22O14	53.34	12/14/01	12/13/03	CDC 1042215	22O14	53.30	12/14/01	12/13/03
CDC 1042156	22O14	53.33	12/14/01	12/13/03	CDC 1042216	22O14	53.30	12/14/01	12/13/03
CDC 1042157	22O14	53.33	12/14/01	12/13/03	CDC 1042217	22O14	53.30	12/14/01	12/13/03
CDC 1042158	22O14	53.34	12/14/01	12/13/03	CDC 1042218	22O14	53.30	12/14/01	12/13/03
CDC 1042159	22O14	53.33	12/14/01	12/13/03	CDC 1042219	22O14	53.30	12/14/01	12/13/03
CDC 1042160	22O14	53.33	12/14/01	12/13/03	CDC 1042220	22O14	53.32	12/14/01	12/13/03
CDC 1042161	22O14	53.34	12/14/01	12/13/03	CDC 1042221	22O14	53.31	12/14/01	12/13/03
CDC 1042162	22O14	53.33	12/14/01	12/13/03	CDC 1042222	22O14	53.31	12/14/01	12/13/03
CDC 1042163	22O14	53.33	12/14/01	12/13/03	CDC 1042223	22O14	53.32	12/14/01	12/13/03

Claim Identifier	NTS	Size (ha)	Recorded	Expires	Claim Identifier	NTS	Size (ha)	Recorded	Expires
CDC 1042224	22O14	53.31	12/14/01	12/13/03	CDC 1042413	22O12	53.49	12/14/01	12/13/03
CDC 1042225	22O14	53.31	12/14/01	12/13/03	CDC 1042414	22O12	53.49	12/14/01	12/13/03
CDC 1042226	22O14	53.32	12/14/01	12/13/03	CDC 1042415	22O12	53.50	12/14/01	12/13/03
CDC 1042227	22O14	53.31	12/14/01	12/13/03	CDC 1042416	22O12	53.49	12/14/01	12/13/03
CDC 1042228	22O14	53.31	12/14/01	12/13/03	CDC 1042417	22O12	53.48	12/14/01	12/13/03
CDC 1042229	22O14	53.32	12/14/01	12/13/03	CDC 1042418	22O12	53.48	12/14/01	12/13/03
CDC 1042230	22O14	53.31	12/14/01	12/13/03	CDC 1042419	22O12	53.48	12/14/01	12/13/03
CDC 1042231	22O14	53.31	12/14/01	12/13/03	CDC 1042420	22O12	53.48	12/14/01	12/13/03
CDC 1042232	22O14	53.32	12/14/01	12/13/03	CDC 1042421	22O12	53.48	12/14/01	12/13/03
CDC 1042233	22O14	53.32	12/14/01	12/13/03	CDC 1042422	22O12	53.48	12/14/01	12/13/03
CDC 1042234	22O14	53.31	12/14/01	12/13/03	CDC 1042423	22O12	53.47	12/14/01	12/13/03
CDC 1042235	22O14	53.30	12/14/01	12/13/03	CDC 1042424	22O12	53.47	12/14/01	12/13/03
CDC 1042236	22O14	53.30	12/14/01	12/13/03	CDC 1042425	22O12	53.47	12/14/01	12/13/03
CDC 1042237	22O14	53.31	12/14/01	12/13/03	CDC 1042426	22O12	53.47	12/14/01	12/13/03
CDC 1042238	22O14	53.30	12/14/01	12/13/03	CDC 1042427	22O12	53.47	12/14/01	12/13/03
CDC 1042239	22O14	53.30	12/14/01	12/13/03	CDC 1042428	22O12	53.47	12/14/01	12/13/03
CDC 1042240	22O14	53.31	12/14/01	12/13/03	CDC 1042429	22O12	53.46	12/14/01	12/13/03
CDC 1042241	22O14	53.30	12/14/01	12/13/03	CDC 1042430	22O12	53.47	12/14/01	12/13/03
CDC 1042242	22O14	53.31	12/14/01	12/13/03	CDC 1042431	22O12	53.46	12/14/01	12/13/03
CDC 1042243	22O14	53.31	12/14/01	12/13/03	CDC 1042432	22O12	53.46	12/14/01	12/13/03
CDC 1042244	22O14	53.31	12/14/01	12/13/03	CDC 1042433	22O12	53.47	12/14/01	12/13/03
CDC 1042245	22O14	53.31	12/14/01	12/13/03	CDC 1042434	22O12	53.46	12/14/01	12/13/03
CDC 1042246	22O14	53.31	12/14/01	12/13/03	CDC 1042435	22O12	53.46	12/14/01	12/13/03
CDC 1042247	22O14	53.31	12/14/01	12/13/03	CDC 1042436	22O12	53.45	12/14/01	12/13/03
CDC 1042248	22O14	53.31	12/14/01	12/13/03	CDC 1042437	22O12	53.45	12/14/01	12/13/03
CDC 1042249	22O14	53.30	12/14/01	12/13/03	CDC 1042438	22O12	53.45	12/14/01	12/13/03
CDC 1042250	22O14	53.30	12/14/01	12/13/03	CDC 1042439	22O12	53.45	12/14/01	12/13/03
CDC 1042251	22O14	53.31	12/14/01	12/13/03	CDC 1042440	22O12	53.45	12/14/01	12/13/03
CDC 1042252	22O14	53.30	12/14/01	12/13/03	CDC 1042441	22O12	53.45	12/14/01	12/13/03
CDC 1042253	22O14	53.31	12/14/01	12/13/03	CDC 1042442	22O12	53.45	12/14/01	12/13/03
CDC 1042254	22O14	53.30	12/14/01	12/13/03	CDC 1042443	22O12	53.44	12/14/01	12/13/03
CDC 1042255	22O14	53.30	12/14/01	12/13/03	CDC 1042444	22O12	53.44	12/14/01	12/13/03
CDC 1042256	22O14	53.28	12/14/01	12/13/03	CDC 1042445	22O12	53.44	12/14/01	12/13/03
CDC 1042257	22O14	53.29	12/14/01	12/13/03	CDC 1042446	22O12	53.44	12/14/01	12/13/03
CDC 1042258	22O14	53.29	12/14/01	12/13/03	CDC 1042447	22O12	53.44	12/14/01	12/13/03
CDC 1042259	22O14	53.29	12/14/01	12/13/03	CDC 1042448	22O12	53.44	12/14/01	12/13/03
CDC 1042370	22O14	53.30	12/14/01	12/13/03	CDC 1042449	22O12	53.45	12/14/01	12/13/03
CDC 1042371	22O14	53.30	12/14/01	12/13/03	CDC 1042450	22O12	53.44	12/14/01	12/13/03
CDC 1042372	22O14	53.30	12/14/01	12/13/03	CDC 1042455	22O12	53.50	12/14/01	12/13/03
CDC 1042373	22O14	53.30	12/14/01	12/13/03	CDC 1042456	22O12	53.49	12/14/01	12/13/03
CDC 1042374	22O14	53.31	12/14/01	12/13/03	CDC 1042457	22O12	53.48	12/14/01	12/13/03
CDC 1042375	22O14	53.30	12/14/01	12/13/03	CDC 1042458	22O12	53.48	12/14/01	12/13/03
CDC 1042376	22O14	53.30	12/14/01	12/13/03	CDC 1042459	22O12	53.48	12/14/01	12/13/03
CDC 1042377	22O14	53.28	12/14/01	12/13/03	CDC 1042460	22O12	53.48	12/14/01	12/13/03
CDC 1042378	22O14	53.29	12/14/01	12/13/03	CDC 1042461	22O12	53.47	12/14/01	12/13/03
CDC 1042379	22O14	53.28	12/14/01	12/13/03	CDC 1042462	22O12	53.47	12/14/01	12/13/03
CDC 1042380	22O14	53.28	12/14/01	12/13/03	CDC 1042463	22O12	53.47	12/14/01	12/13/03
CDC 1042381	22O14	53.29	12/14/01	12/13/03	CDC 1042464	22O12	53.47	12/14/01	12/13/03
CDC 1042382	22O14	53.28	12/14/01	12/13/03	CDC 1042465	22O12	53.46	12/14/01	12/13/03
CDC 1042383	22O14	53.28	12/14/01	12/13/03	CDC 1042466	22O12	53.47	12/14/01	12/13/03
CDC 1042384	22O14	53.29	12/14/01	12/13/03	CDC 1042467	22O12	53.45	12/14/01	12/13/03
CDC 1042385	22O14	53.28	12/14/01	12/13/03	CDC 1042468	22O12	53.45	12/14/01	12/13/03
CDC 1042386	22O14	53.28	12/14/01	12/13/03	CDC 1042469	22O12	53.44	12/14/01	12/13/03
CDC 1042387	22O14	53.29	12/14/01	12/13/03	CDC 1042470	22O12	53.44	12/14/01	12/13/03
CDC 1042388	22O14	53.28	12/14/01	12/13/03	CDC 1042471	22O12	53.44	12/14/01	12/13/03
CDC 1042389	22O14	53.27	12/14/01	12/13/03	CDC 1042472	22O12	53.45	12/14/01	12/13/03
CDC 1042390	22O14	53.27	12/14/01	12/13/03	CDC 1042473	22O12	53.44	12/14/01	12/13/03
CDC 1042391	22O14	53.28	12/14/01	12/13/03	CDC 1042474	22O12	53.44	12/14/01	12/13/03
CDC 1042411	22O12	53.50	12/14/01	12/13/03	CDC 1042475	22O12	53.45	12/14/01	12/13/03
CDC 1042412	22O12	53.50	12/14/01	12/13/03	CDC 1042476	22O12	53.44	12/14/01	12/13/03

Claim Identifier	NTS	Size (ha)	Recorded	Expires
CDC 1042477	22O12	53.44	12/14/01	12/13/03
CDC 1042478	22O12	53.44	12/14/01	12/13/03
CDC 1042479	22O12	53.44	12/14/01	12/13/03
CDC 1042480	22O12	53.44	12/14/01	12/13/03
CDC 1042481	22O12	53.44	12/14/01	12/13/03
CDC 1042482	22O12	53.44	12/14/01	12/13/03
CDC 1042483	22O12	53.44	12/14/01	12/13/03
CDC 1042484	22O12	53.44	12/14/01	12/13/03
CDC 1042485	22O12	53.42	12/14/01	12/13/03
CDC 1042486	22O12	53.43	12/14/01	12/13/03
CDC 1042487	22O12	53.42	12/14/01	12/13/03
CDC 1042488	22O12	53.42	12/14/01	12/13/03
CDC 1042489	22O12	53.43	12/14/01	12/13/03
CDC 1042490	22O12	53.42	12/14/01	12/13/03
CDC 1042491	22O12	53.42	12/14/01	12/13/03
CDC 1042492	22O12	53.41	12/14/01	12/13/03
CDC 1042493	22O12	53.41	12/14/01	12/13/03
CDC 1042494	22O12	53.39	12/14/01	12/13/03
CDC 1042498	22O12	53.47	12/14/01	12/13/03
CDC 1042499	22O12	53.46	12/14/01	12/13/03
CDC 1042500	22O12	53.45	12/14/01	12/13/03
CDC 1042501	22O12	53.45	12/14/01	12/13/03
CDC 1042502	22O12	53.46	12/14/01	12/13/03
CDC 1042503	22O12	53.45	12/14/01	12/13/03
CDC 1042504	22O12	53.45	12/14/01	12/13/03
CDC 1042505	22O12	53.44	12/14/01	12/13/03
CDC 1042506	22O12	53.44	12/14/01	12/13/03
CDC 1042507	22O12	53.45	12/14/01	12/13/03
CDC 1042508	22O12	53.44	12/14/01	12/13/03
CDC 1042509	22O12	53.44	12/14/01	12/13/03
CDC 1042510	22O12	53.44	12/14/01	12/13/03
CDC 1042511	22O12	53.44	12/14/01	12/13/03
CDC 1042512	22O12	53.44	12/14/01	12/13/03
CDC 1042513	22O12	53.44	12/14/01	12/13/03
CDC 1042514	22O12	53.43	12/14/01	12/13/03
CDC 1042515	22O12	53.42	12/14/01	12/13/03
CDC 1042516	22O12	53.42	12/14/01	12/13/03
CDC 1042517	22O12	53.43	12/14/01	12/13/03
CDC 1042518	22O12	53.42	12/14/01	12/13/03
CDC 1042519	22O12	53.42	12/14/01	12/13/03
CDC 1042520	22O12	53.41	12/14/01	12/13/03
CDC 1042521	22O12	53.41	12/14/01	12/13/03
CDC 1042522	22O12	53.42	12/14/01	12/13/03
CDC 1042523	22O12	53.41	12/14/01	12/13/03
CDC 1042524	22O12	53.41	12/14/01	12/13/03
CDC 1042525	22O12	53.41	12/14/01	12/13/03
CDC 1042526	22O12	53.41	12/14/01	12/13/03
CDC 1042527	22O12	53.41	12/14/01	12/13/03
CDC 1042528	22O12	53.41	12/14/01	12/13/03
CDC 1042529	22O12	53.40	12/14/01	12/13/03
CDC 1042530	22O12	53.39	12/14/01	12/13/03
CDC 1042531	22O12	53.39	12/14/01	12/13/03
CDC 1042532	22O12	53.40	12/14/01	12/13/03
CDC 1042533	22O12	53.39	12/14/01	12/13/03
CDC 1042534	22O12	53.38	12/14/01	12/13/03
CDC 1042535	22O12	53.39	12/14/01	12/13/03
CDC 1042536	22O12	53.38	12/14/01	12/13/03
CDC 1042537	22O12	53.38	12/14/01	12/13/03
CDC 1042540	22O12	53.51	12/14/01	12/13/03
CDC 1042541	22O12	53.51	12/14/01	12/13/03
CDC 1042542	22O12	53.51	12/14/01	12/13/03
CDC 1042543	22O12	53.51	12/14/01	12/13/03
CDC 1042544	22O12	53.52	12/14/01	12/13/03
CDC 1042545	22O12	53.51	12/14/01	12/13/03
CDC 1042546	22O12	53.51	12/14/01	12/13/03
CDC 1042547	22O12	53.50	12/14/01	12/13/03
CDC 1042548	22O12	53.50	12/14/01	12/13/03
CDC 1042549	22O12	53.51	12/14/01	12/13/03
CDC 1042550	22O12	53.50	12/14/01	12/13/03
CDC 1042551	22O12	53.50	12/14/01	12/13/03
CDC 1042552	22O12	53.50	12/14/01	12/13/03
CDC 1042553	22O12	53.50	12/14/01	12/13/03
CDC 1042554	22O12	53.50	12/14/01	12/13/03
CDC 1042555	22O12	53.49	12/14/01	12/13/03
CDC 1042556	22O12	53.49	12/14/01	12/13/03
CDC 1042557	22O12	53.48	12/14/01	12/13/03
CDC 1042558	22O12	53.48	12/14/01	12/13/03
CDC 1042559	22O12	53.49	12/14/01	12/13/03
CDC 1042560	22O12	53.48	12/14/01	12/13/03
CDC 1042561	22O12	53.48	12/14/01	12/13/03
CDC 1042562	22O12	53.47	12/14/01	12/13/03
CDC 1042563	22O12	53.47	12/14/01	12/13/03
CDC 1042564	22O12	53.48	12/14/01	12/13/03
CDC 1042565	22O12	53.47	12/14/01	12/13/03
CDC 1042566	22O12	53.47	12/14/01	12/13/03
CDC 1042567	22O12	53.47	12/14/01	12/13/03
CDC 1042568	22O12	53.47	12/14/01	12/13/03
CDC 1042569	22O12	53.47	12/14/01	12/13/03
CDC 1042570	22O11	53.50	12/18/01	12/17/03
CDC 1042571	22O11	53.50	12/18/01	12/17/03
CDC 1042572	22O11	53.48	12/18/01	12/17/03
CDC 1042573	22O11	53.49	12/18/01	12/17/03
CDC 1042574	22O11	53.48	12/18/01	12/17/03
CDC 1042575	22O11	53.48	12/18/01	12/17/03
CDC 1042576	22O11	53.49	12/18/01	12/17/03
CDC 1042577	22O11	53.47	12/18/01	12/17/03
CDC 1042578	22O11	53.48	12/18/01	12/17/03
CDC 1042579	22O11	53.47	12/18/01	12/17/03
CDC 1042580	22O11	53.47	12/18/01	12/17/03
CDC 1042581	22O11	53.48	12/18/01	12/17/03
CDC 1042582	22O11	53.47	12/18/01	12/17/03
CDC 1042583	22O11	53.47	12/18/01	12/17/03
CDC 1042584	22O11	53.47	12/18/01	12/17/03
CDC 1042585	22O11	53.47	12/18/01	12/17/03
CDC 1042586	22O11	53.47	12/18/01	12/17/03
CDC 1042587	22O11	53.47	12/18/01	12/17/03
CDC 1042588	22O11	53.45	12/18/01	12/17/03
CDC 1042589	22O11	53.46	12/18/01	12/17/03
CDC 1042590	22O11	53.45	12/18/01	12/17/03
CDC 1042591	22O11	53.45	12/18/01	12/17/03
CDC 1042592	22O11	53.46	12/18/01	12/17/03
CDC 1042593	22O11	53.45	12/18/01	12/17/03
CDC 1042594	22O11	53.44	12/18/01	12/17/03
CDC 1042595	22O11	53.45	12/18/01	12/17/03
CDC 1042596	22O11	53.44	12/18/01	12/17/03
CDC 1042597	22O11	53.44	12/18/01	12/17/03
CDC 1042598	22O11	53.45	12/18/01	12/17/03
CDC 1042599	22O11	53.44	12/18/01	12/17/03
CDC 1042600	22O11	53.44	12/18/01	12/17/03
CDC 1042601	22O11	53.44	12/18/01	12/17/03

Claim Identifier	NTS	Size (ha)	Recorded	Expires	Claim Identifier	NTS	Size (ha)	Recorded	Expires
CDC 1042602	22O11	53.44	12/18/01	12/17/03	CDC 1042811	22O11	53.42	12/18/01	12/17/03
CDC 1042603	22O11	53.44	12/18/01	12/17/03	CDC 1042812	22O11	53.42	12/18/01	12/17/03
CDC 1042604	22O11	53.44	12/18/01	12/17/03	CDC 1042813	22O11	53.42	12/18/01	12/17/03
CDC 1042605	22O11	53.44	12/18/01	12/17/03	CDC 1042814	22O11	53.42	12/18/01	12/17/03
CDC 1042606	22O11	53.42	12/18/01	12/17/03	CDC 1042815	22O11	53.42	12/18/01	12/17/03
CDC 1042607	22O11	53.43	12/18/01	12/17/03	CDC 1042816	22O11	53.42	12/18/01	12/17/03
CDC 1042608	22O11	53.42	12/18/01	12/17/03	CDC 1042817	22O11	53.43	12/18/01	12/17/03
CDC 1042609	22O11	53.42	12/18/01	12/17/03	CDC 1042818	22O11	53.42	12/18/01	12/17/03
CDC 1042759	22O11	53.44	12/18/01	12/17/03	CDC 1042819	22O11	53.41	12/18/01	12/17/03
CDC 1042760	22O11	53.43	12/18/01	12/17/03	CDC 1042820	22O11	53.40	12/18/01	12/17/03
CDC 1042761	22O11	53.43	12/18/01	12/17/03	CDC 1042821	22O11	53.40	12/18/01	12/17/03
CDC 1042762	22O11	53.43	12/18/01	12/17/03	CDC 1042822	22O11	53.41	12/18/01	12/17/03
CDC 1042763	22O11	53.43	12/18/01	12/17/03	CDC 1042823	22O11	53.40	12/18/01	12/17/03
CDC 1042764	22O11	53.43	12/18/01	12/17/03	CDC 1042824	22O11	53.40	12/18/01	12/17/03
CDC 1042765	22O11	53.43	12/18/01	12/17/03	CDC 1042825	22O11	53.41	12/18/01	12/17/03
CDC 1042766	22O11	53.44	12/18/01	12/17/03	CDC 1042826	22O11	53.40	12/18/01	12/17/03
CDC 1042767	22O11	53.43	12/18/01	12/17/03	CDC 1042827	22O11	53.40	12/18/01	12/17/03
CDC 1042768	22O11	53.43	12/18/01	12/17/03	CDC 1042828	22O11	53.41	12/18/01	12/17/03
CDC 1042769	22O11	53.44	12/18/01	12/17/03	CDC 1042829	22O11	53.40	12/18/01	12/17/03
CDC 1042770	22O11	53.43	12/18/01	12/17/03	CDC 1042830	22O11	53.40	12/18/01	12/17/03
CDC 1042771	22O11	53.43	12/18/01	12/17/03	CDC 1042831	22O11	53.41	12/18/01	12/17/03
CDC 1042772	22O11	53.44	12/18/01	12/17/03	CDC 1042832	22O11	53.40	12/18/01	12/17/03
CDC 1042773	22O11	53.43	12/18/01	12/17/03	CDC 1042833	22O11	53.40	12/18/01	12/17/03
CDC 1042774	22O11	53.43	12/18/01	12/17/03	CDC 1042834	22O11	53.41	12/18/01	12/17/03
CDC 1042775	22O11	53.44	12/18/01	12/17/03	CDC 1042835	22O11	53.45	12/18/01	12/17/03
CDC 1042776	22O11	53.43	12/18/01	12/17/03	CDC 1042836	22O11	53.45	12/18/01	12/17/03
CDC 1042777	22O11	53.43	12/18/01	12/17/03	CDC 1042837	22O11	53.45	12/18/01	12/17/03
CDC 1042778	22O11	53.44	12/18/01	12/17/03	CDC 1042838	22O11	53.46	12/18/01	12/17/03
CDC 1042779	22O11	53.43	12/18/01	12/17/03	CDC 1042839	22O11	53.45	12/18/01	12/17/03
CDC 1042780	22O11	53.42	12/18/01	12/17/03	CDC 1042840	22O11	53.45	12/18/01	12/17/03
CDC 1042781	22O11	53.42	12/18/01	12/17/03	CDC 1042841	22O11	53.46	12/18/01	12/17/03
CDC 1042782	22O11	53.43	12/18/01	12/17/03	CDC 1042842	22O11	53.45	12/18/01	12/17/03
CDC 1042783	22O11	53.42	12/18/01	12/17/03	CDC 1042843	22O11	53.45	12/18/01	12/17/03
CDC 1042784	22O11	53.42	12/18/01	12/17/03	CDC 1042844	22O11	53.46	12/18/01	12/17/03
CDC 1042785	22O11	53.43	12/18/01	12/17/03	CDC 1042845	22O11	53.45	12/18/01	12/17/03
CDC 1042786	22O11	53.42	12/18/01	12/17/03	CDC 1042846	22O11	53.45	12/18/01	12/17/03
CDC 1042787	22O11	53.42	12/18/01	12/17/03	CDC 1042847	22O11	53.45	12/18/01	12/17/03
CDC 1042788	22O11	53.43	12/18/01	12/17/03	CDC 1042848	22O11	53.45	12/18/01	12/17/03
CDC 1042789	22O11	53.42	12/18/01	12/17/03	CDC 1042849	22O11	53.45	12/18/01	12/17/03
CDC 1042790	22O11	53.42	12/18/01	12/17/03	CDC 1042850	22O11	53.45	12/18/01	12/17/03
CDC 1042791	22O11	53.43	12/18/01	12/17/03	CDC 1042851	22O11	53.45	12/18/01	12/17/03
CDC 1042792	22O11	53.42	12/18/01	12/17/03	CDC 1042852	22O11	53.45	12/18/01	12/17/03
CDC 1042793	22O11	53.42	12/18/01	12/17/03	CDC 1042853	22O11	53.45	12/18/01	12/17/03
CDC 1042794	22O11	53.43	12/18/01	12/17/03	CDC 1042854	22O11	53.45	12/18/01	12/17/03
CDC 1042795	22O11	53.42	12/18/01	12/17/03	CDC 1042855	22O11	53.45	12/18/01	12/17/03
CDC 1042796	22O11	53.42	12/18/01	12/17/03	CDC 1042856	22O11	53.45	12/18/01	12/17/03
CDC 1042797	22O11	53.43	12/18/01	12/17/03	CDC 1042857	22O11	53.45	12/18/01	12/17/03
CDC 1042798	22O11	53.42	12/18/01	12/17/03	CDC 1042858	22O11	53.45	12/18/01	12/17/03
CDC 1042799	22O11	53.42	12/18/01	12/17/03	CDC 1042859	22O11	53.45	12/18/01	12/17/03
CDC 1042800	22O11	53.42	12/18/01	12/17/03	CDC 1042860	22O11	53.40	12/18/01	12/17/03
CDC 1042801	22O11	53.42	12/18/01	12/17/03	CDC 1042861	22O11	53.40	12/18/01	12/17/03
CDC 1042802	22O11	53.42	12/18/01	12/17/03	CDC 1042862	22O11	53.41	12/18/01	12/17/03
CDC 1042803	22O11	53.42	12/18/01	12/17/03	CDC 1042863	22O11	53.40	12/18/01	12/17/03
CDC 1042804	22O11	53.42	12/18/01	12/17/03	CDC 1042864	22O11	53.39	12/18/01	12/17/03
CDC 1042805	22O11	53.42	12/18/01	12/17/03	CDC 1042865	22O11	53.40	12/18/01	12/17/03
CDC 1042806	22O11	53.42	12/18/01	12/17/03	CDC 1042866	22O11	53.39	12/18/01	12/17/03
CDC 1042807	22O11	53.42	12/18/01	12/17/03	CDC 1042867	22O11	53.39	12/18/01	12/17/03
CDC 1042808	22O11	53.42	12/18/01	12/17/03	CDC 1042868	22O11	53.40	12/18/01	12/17/03
CDC 1042809	22O11	53.42	12/18/01	12/17/03	CDC 1042869	22O11	53.39	12/18/01	12/17/03
CDC 1042810	22O11	53.42	12/18/01	12/17/03	CDC 1042870	22O11	53.39	12/18/01	12/17/03

Claim Identifier	NTS	Size (ha)	Recorded	Expires
CDC 1042871	22O11	53.40	12/18/01	12/17/03
CDC 1042872	22O11	53.39	12/18/01	12/17/03
CDC 1042873	22O11	53.39	12/18/01	12/17/03
CDC 1042874	22O11	53.40	12/18/01	12/17/03
CDC 1042876	22O11	53.39	12/18/01	12/17/03
CDC 1042877	22O11	53.39	12/18/01	12/17/03
CDC 1042878	22O11	53.40	12/18/01	12/17/03
CDC 1042879	22O11	53.39	12/18/01	12/17/03
CDC 1042880	22O11	53.39	12/18/01	12/17/03
CDC 1042881	22O11	53.39	12/18/01	12/17/03
CDC 1042882	22O11	53.39	12/18/01	12/17/03
CDC 1042883	22O11	53.39	12/18/01	12/17/03
CDC 1042884	22O11	53.40	12/18/01	12/17/03
CDC 1042885	22O11	53.39	12/18/01	12/17/03
CDC 1042886	22O11	53.39	12/18/01	12/17/03
CDC 1042887	22O11	53.40	12/18/01	12/17/03
CDC 1042888	22O11	53.39	12/18/01	12/17/03
CDC 1042889	22O11	53.38	12/18/01	12/17/03
CDC 1042890	22O11	53.37	12/18/01	12/17/03
CDC 1042891	22O11	53.37	12/18/01	12/17/03
CDC 1042892	22O11	53.38	12/18/01	12/17/03
CDC 1042893	22O11	53.37	12/18/01	12/17/03
CDC 1042894	22O11	53.37	12/18/01	12/17/03
CDC 1042895	22O11	53.38	12/18/01	12/17/03
CDC 1042896	22O11	53.37	12/18/01	12/17/03
CDC 1042897	22O11	53.36	12/18/01	12/17/03
CDC 1042898	22O11	53.37	12/18/01	12/17/03
CDC 1042899	22O11	53.36	12/18/01	12/17/03
CDC 1042900	22O11	53.36	12/18/01	12/17/03
CDC 1042901	22O11	53.37	12/18/01	12/17/03
CDC 1042902	22O11	53.36	12/18/01	12/17/03
CDC 1042903	22O11	53.36	12/18/01	12/17/03
CDC 1042904	22O11	53.37	12/18/01	12/17/03
CDC 1042905	22O11	53.36	12/18/01	12/17/03
CDC 1042906	22O11	53.36	12/18/01	12/17/03
CDC 1042907	22O11	53.36	12/18/01	12/17/03
CDC 1042908	22O11	53.36	12/18/01	12/17/03
CDC 1042909	22O11	53.36	12/18/01	12/17/03
CDC 1042910	22O11	53.36	12/18/01	12/17/03
CDC 1042911	22O11	53.37	12/18/01	12/17/03
CDC 1042912	22O11	53.36	12/18/01	12/17/03
CDC 1042913	22O11	53.36	12/18/01	12/17/03
CDC 1042914	22O11	53.37	12/18/01	12/17/03
CDC 1042915	22O11	53.36	12/18/01	12/17/03
CDC 1042916	22O11	53.50	12/18/01	12/17/03
CDC 1042917	22O11	53.51	12/18/01	12/17/03
CDC 1042918	22O11	53.50	12/18/01	12/17/03
CDC 1042919	22O11	53.50	12/18/01	12/17/03
CDC 1042920	22O11	53.51	12/18/01	12/17/03
CDC 1042921	22O11	53.50	12/18/01	12/17/03
CDC 1042922	22O11	53.50	12/18/01	12/17/03
CDC 1042923	22O11	53.50	12/18/01	12/17/03
CDC 1042924	22O11	53.50	12/18/01	12/17/03
CDC 1042925	22O11	53.50	12/18/01	12/17/03
CDC 1042926	22O11	53.36	12/18/01	12/17/03
CDC 1042927	22O11	53.36	12/18/01	12/17/03
CDC 1042928	22O11	53.36	12/18/01	12/17/03
CDC 1042929	22O11	53.36	12/18/01	12/17/03
CDC 1042930	22O11	53.36	12/18/01	12/17/03
CDC 1042931	22O11	53.36	12/18/01	12/17/03
CDC 1042932	22O11	53.37	12/18/01	12/17/03
CDC 1042933	22O11	53.36	12/18/01	12/17/03
CDC 1042934	22O11	53.35	12/18/01	12/17/03
CDC 1042935	22O11	53.34	12/18/01	12/17/03
CDC 1042936	22O11	53.34	12/18/01	12/17/03
CDC 1042937	22O11	53.35	12/18/01	12/17/03
CDC 1042938	22O11	53.34	12/18/01	12/17/03
CDC 1042939	22O11	53.34	12/18/01	12/17/03
CDC 1042940	22O11	53.35	12/18/01	12/17/03
CDC 1042941	22O11	53.34	12/18/01	12/17/03
CDC 1042942	22O11	53.34	12/18/01	12/17/03
CDC 1042943	22O11	53.35	12/18/01	12/17/03
CDC 1042944	22O11	53.34	12/18/01	12/17/03
CDC 1042945	22O11	53.34	12/18/01	12/17/03
CDC 1042946	22O11	53.35	12/18/01	12/17/03
CDC 1042947	22O11	53.34	12/18/01	12/17/03
CDC 1042948	22O11	53.34	12/18/01	12/17/03
CDC 1042949	22O11	53.35	12/18/01	12/17/03
CDC 1042950	22O11	53.34	12/18/01	12/17/03
CDC 1042951	22O11	53.34	12/18/01	12/17/03
CDC 1042952	22O11	53.34	12/18/01	12/17/03
CDC 1042953	22O11	53.34	12/18/01	12/17/03
CDC 1042954	22O11	53.35	12/18/01	12/17/03
CDC 1042955	22O11	53.34	12/18/01	12/17/03
CDC 1042956	22O11	53.35	12/18/01	12/17/03

Total Number of Claims: 1482 Area of Claims: 79151.73

Haut Plateau Est

CDC 1042327	22O11	53.50	12/18/01	12/17/03
CDC 1042328	22O11	53.50	12/18/01	12/17/03
CDC 1042329	22O11	53.51	12/18/01	12/17/03
CDC 1042330	22O11	53.49	12/18/01	12/17/03
CDC 1042331	22O11	53.48	12/18/01	12/17/03
CDC 1042332	22O11	53.48	12/18/01	12/17/03
CDC 1042333	22O11	53.49	12/18/01	12/17/03
CDC 1042334	22O11	53.48	12/18/01	12/17/03
CDC 1042335	22O11	53.48	12/18/01	12/17/03
CDC 1042336	22O11	53.47	12/18/01	12/17/03
CDC 1042337	22O11	53.48	12/18/01	12/17/03
CDC 1042338	22O11	53.47	12/18/01	12/17/03
CDC 1042339	22O11	53.47	12/18/01	12/17/03
CDC 1042340	22O11	53.48	12/18/01	12/17/03
CDC 1042341	22O11	53.45	12/18/01	12/17/03
CDC 1042342	22O11	53.46	12/18/01	12/17/03
CDC 1042343	22O11	53.44	12/18/01	12/17/03
CDC 1042344	22O11	53.45	12/18/01	12/17/03
CDC 1042345	22O11	53.44	12/18/01	12/17/03
CDC 1042346	22O11	53.45	12/18/01	12/17/03
CDC 1042347	22O11	53.42	12/18/01	12/17/03
CDC 1042348	22O11	53.43	12/18/01	12/17/03
CDC 1042349	22O11	53.42	12/18/01	12/17/03
CDC 1042350	22O11	53.42	12/18/01	12/17/03
CDC 1042351	22O11	53.41	12/18/01	12/17/03
CDC 1042352	22O11	53.41	12/18/01	12/17/03
CDC 1042353	22O11	53.42	12/18/01	12/17/03
CDC 1042354	22O11	53.41	12/18/01	12/17/03
CDC 1042355	22O11	53.41	12/18/01	12/17/03
CDC 1042356	22O11	53.42	12/18/01	12/17/03
CDC 1042357	22O11	53.42	12/18/01	12/17/03
CDC 1042358	22O11	53.41	12/18/01	12/17/03

Claim Identifier	NTS	Size (ha)	Recorded	Expires
CDC 1042359	22O11	53.42	12/18/01	12/17/03
CDC 1042360	22O11	53.42	12/18/01	12/17/03
CDC 1042361	22O11	53.42	12/18/01	12/17/03
CDC 1042362	22O11	53.42	12/18/01	12/17/03
CDC 1042363	22O11	53.42	12/18/01	12/17/03
CDC 1042364	22O11	53.42	12/18/01	12/17/03
CDC 1042365	22O11	53.42	12/18/01	12/17/03
CDC 1042366	22O11	53.42	12/18/01	12/17/03
CDC 1042621	22O11	53.50	12/18/01	12/17/03
CDC 1042622	22O11	53.50	12/18/01	12/17/03
CDC 1042623	22O11	53.51	12/18/01	12/17/03
CDC 1042624	22O11	53.50	12/18/01	12/17/03

Total Number of Claims: 44 Area of Claims: 2351.84

Petit Lac Manicouagan

5068523	22O12	16.05	9/10/90	9/9/02
5068524	22O12	15.79	9/10/90	9/9/02
5068525	22O12	15.71	9/10/90	9/9/02
5068563	22O12	15.59	9/10/90	9/9/02
5068564	22O12	15.79	9/10/90	9/9/02
5068565	22O12	15.95	9/10/90	9/9/02

Total Number of Claims: 6 Area of Claims: 94.88

Claim Identifier	NTS	Size (ha)	Recorded	Expires

Haut Plateau Property

Total Number of Claims: 1563

Total Area of Claims (ha): 82083.68

APPENDIX 2

HAUT PLATEAU DRILL CORE ANALYTICAL AND QAQC

Rockwell Ventures Inc.

MEMORANDUM

To: Mark Rebagliati
From: Eric Titley
Date: April 22, 2002
Cc: File

Re: Haut Plateau Sampling, Analytical and QAQC

SUMMARY

A reasonable level of confidence can be attributed to the analytical results provided by ALS Chimitec on the 2002 Haut Plateau drill program of Rockwell Ventures Inc. (RCW) based on the analysis of standards. Rockwell diamond drill holes *2001* through *2007*, and *151-05ext* were logged and mineralized sections of the core sampled by RCW and Falconbridge personnel at the project site. The core samples, and a number of geochemical standards of known concentration, were shipped to the ALS Chimitec laboratory at Val-d'Or Québec for preparation, nickel, copper and cobalt analysis. The base metal analytical results provided by Chimitec for the included standards were compared with the expected values. Overall, the results of the standards are good, lending credence to the accuracy of the regular assay results.

SAMPLING

Mark Rebagliati, PEng, Chief Exploration Manager and Consultant to Rockwell supervised the eight hole, 1,777 m drill program at Haut Plateau in March-April 2002. RCW drilled seven new holes and extended hole 151-05 in the 2002 program. The total meterage drilled includes: 1,753 m of BQ (3.64 cm diameter) core, of which 367 m was sampled, and 24 m of overburden, which was not recovered or sampled. Boxed core was transported twice daily from the drill rig by helicopter to the Rockwell compound for geological logging, sample selection and sampling by RCW and Falconbridge personnel. The average core recovery is estimated to be 95%.

A total of 307 core samples were taken over geologically defined intervals averaging 1.2 m in length. Samples were taken by sawing the core in half with a diamond blade, and the remaining half core was returned to the boxes stored at the site. The average length-wise half-split provides about 1.6 kg of sample material, which was bagged and packed in sacks for shipment. The sacks were transported by company truck to Baie Comeau, Québec and then by commercial coach to ALS Chimitec, located at 1322-B Harricana, Val-d'Or, Québec for sample preparation and analysis.

SAMPLE PREPARATION

Samples were prepared at ALS Chimitec by: drying, crushing the entire sample to <2mm (-10 mesh), splitting a 250 g split sub-sample, pulverizing the sub-sample to <106 microns (-150 mesh). Within the stream of regular core samples, RCW routinely submitted blind standards, which are separate from the laboratory's internal quality control/quality assurance (QAQC) samples.

Standard performance was monitored, by charting the results by analytical sequence over time on the x-axis against elemental concentration on the y-axis. The results were compared with the accepted value and range, as determined from the round-robin averages for each of the elements.

1a. Standard EXS-1A

Figure 1 illustrates the performance of standard EXS-1A, which was analyzed 13 times by Chimitec in 2002. Overall, the results compare favourably with the Raglan accepted values, the round robin results and the Falconbridge 2001 assays.

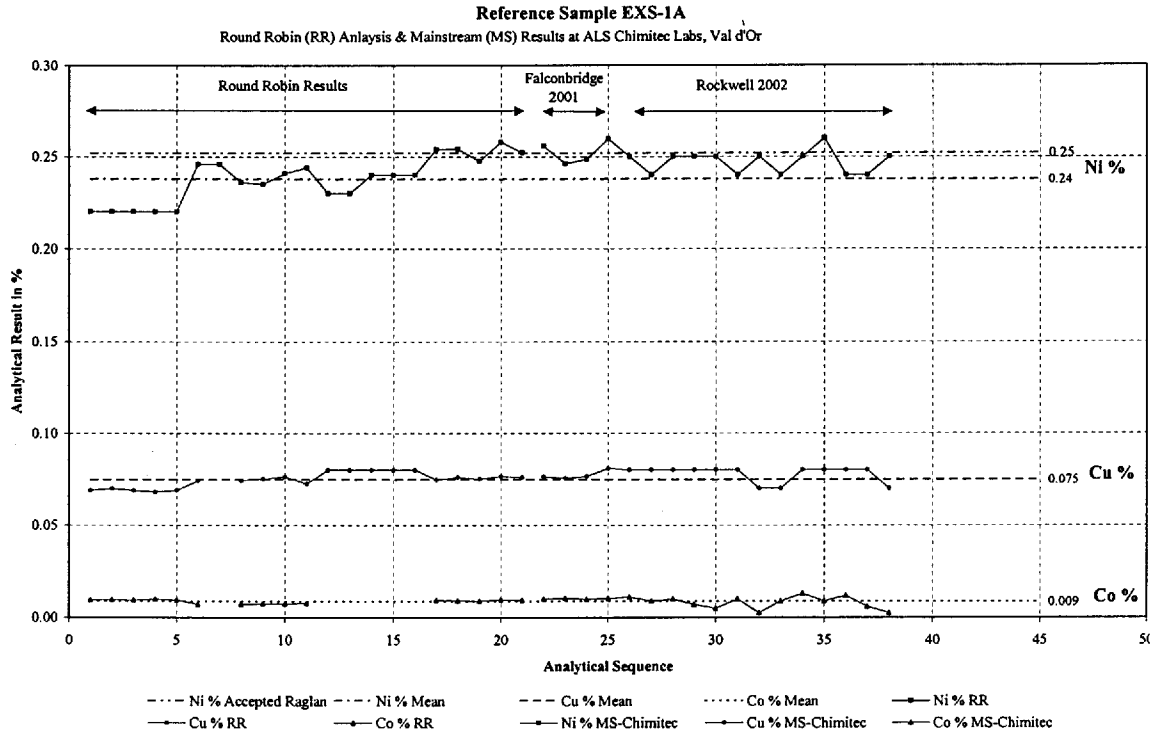


Figure 1 –Standard EXS-1A - Analytical Performance for Ni, Cu and Co

Rockwell Ventures Inc. - Haut Plateau Project

Analytical Quality Control - REFERENCE SAMPLE - EXS-1A

Reference Sample Statistics*	Ni %	Cu %	Co %	Pt ppb	Pd ppb	Au ppb
Max Raglan	0.266	0.092	0.014	90	220	
Accepted Raglan	0.252	0.079	0.010	70	200	20
Min Raglan	0.238	0.066	0.006	50	180	
Mean RR	0.238	0.075	0.0088	74.0	191.2	23.3
Std error	0.003	0.0009	0.000262	2.1	1.4	2.0
Median	0.240	0.075	0.009	72	190	23
Std deviation	0.0126	0.0041	0.00102	8.0	6.2	7.6
Min	0.220	0.068	0.0072	62	183	11
Max	0.258	0.080	0.010	85	210	35
95% con interval	0.0057	0.0019	0.000056	4.41	2.91	4.19
count	21	20	15	15	20	15

* Falconbridge report "Geochemical Standards EXS Seriies, Certificates, Results and Statistics"
Quality Control Codes, RR=Round robin analysis, MS= Regular mainstream analysis

SEQ	Use	Sort	Standard	Sample	Ni %	Cu %	Co %	Pt ppb	Pd ppb	Au ppb	File	Date Report	Lab
1	RR	1	EXS-1A	EXS-1A	0.22	0.069	0.0095		210				Lakefield
2	RR	2	EXS-1A	EXS-1A	0.22	0.07	0.0096		200				Lakefield
3	RR	3	EXS-1A	EXS-1A	0.22	0.069	0.0095		190				Lakefield
4	RR	4	EXS-1A	EXS-1A	0.22	0.068	0.0098		190				Lakefield
5	RR	5	EXS-1A	EXS-1A	0.22	0.069	0.0095		200				Lakefield
6	RR	6	EXS-1A	EXS-1A	0.246	0.0742	0.0072	63	183	17			XRAL
7	RR	7	EXS-1A	EXS-1A	0.246								XRAL
8	RR	8	EXS-1A	EXS-1A	0.236	0.0744	0.0072	68	183	16			XRAL
9	RR	9	EXS-1A	EXS-1A	0.235	0.0752	0.0075	62	186	26			XRAL
10	RR	10	EXS-1A	EXS-1A	0.241	0.0764	0.0075	67	190	19			XRAL
11	RR	11	EXS-1A	EXS-1A	0.244	0.0726	0.0077	74	186	18			XRAL
12	RR	12	EXS-1A	EXS-1A	0.23	0.08		85	190	20			TSL
13	RR	13	EXS-1A	EXS-1A	0.23	0.08		85	190	35			TSL
14	RR	14	EXS-1A	EXS-1A	0.24	0.08		75	190	15			TSL
15	RR	15	EXS-1A	EXS-1A	0.24	0.08		85	190	25			TSL
16	RR	16	EXS-1A	EXS-1A	0.24	0.08		85	190	35			TSL
17	RR	17	EXS-1A	EXS-1A	0.254	0.0749	0.0094	77	190	11			Chimitec
18	RR	18	EXS-1A	EXS-1A	0.2541	0.076	0.0091	71	192	23			Chimitec
19	RR	19	EXS-1A	EXS-1A	0.2475	0.0752	0.009	72	191	29			Chimitec
20	RR	20	EXS-1A	EXS-1A	0.2579	0.0766	0.0096	69	188	33			Chimitec
21	RR	21	EXS-1A	EXS-1A	0.2523	0.076	0.0095	72	195	28			Chimitec
22	151-01	25	EXS-1A	HPE-00100	0.2558	0.0764	0.01	79	195	40	C01-60933.0	10-May-01	Chimitec
23	151-02	82	EXS-1A	HPE-00140	0.2461	0.0755	0.0105	75	206	12	C01-60963.0	18-May-01	Chimitec
24	151-04	69	EXS-1A	HPE-00160	0.2485	0.0765	0.0098	80	203	18	C01-60987.0	30-May-01	Chimitec
25	151-04	156	EXS-1A	HPE-00180	0.2597	0.0807	0.0103	73	196	10	C01-60987.0	30-May-01	Chimitec
26	151-05	285	EXS-1A	HPE-00460	0.25	0.08	0.011				C02-61095.0	15-Apr-02	Chimitec
27	151-05	328	EXS-1A	HPE-00580	0.24	0.08	0.009				C02-61097.0	16-Apr-02	Chimitec
28	151-05	406	EXS-1A	HPE-00480	0.25	0.08	0.01				C02-61095.0	15-Apr-02	Chimitec
29	151-05	434	EXS-1A	HPE-00500	0.25	0.08	0.007				C02-61096.0	16-Apr-02	Chimitec
30	2001	26	EXS-1A	HPE-00300	0.25	0.08	0.005				C02-61044.0	16-Apr-02	Chimitec
31	2001	152	EXS-1A	HPE-00320	0.24	0.08	0.01				C02-61044.0	16-Apr-02	Chimitec
32	2002	103	EXS-1A	HPE-00360	0.25	0.07	0.0025				C02-61045.0	16-Apr-02	Chimitec
33	2002	178	EXS-1A	HPE-00400	0.24	0.07	0.009				C02-61045.0	16-Apr-02	Chimitec
34	2004	164	EXS-1A	HPE-00440	0.25	0.08	0.013				C02-61046.0	12-Apr-02	Chimitec
35	2005	224	EXS-1A	HPE-00520	0.26	0.08	0.009				C02-61096.0	16-Apr-02	Chimitec
36	2006	44	EXS-1A	HPE-00540	0.24	0.08	0.012				C02-61096.0	16-Apr-02	Chimitec
37	2006	90	EXS-1A	HPE-00560	0.24	0.08	0.006				C02-61097.0	16-Apr-02	Chimitec
38	2007	9.4	EXS-1A	HPE-00600	0.25	0.07	0.0025				C02-61097.0	16-Apr-02	Chimitec

Rockwell Ventures Inc. - Haut Plateau Project

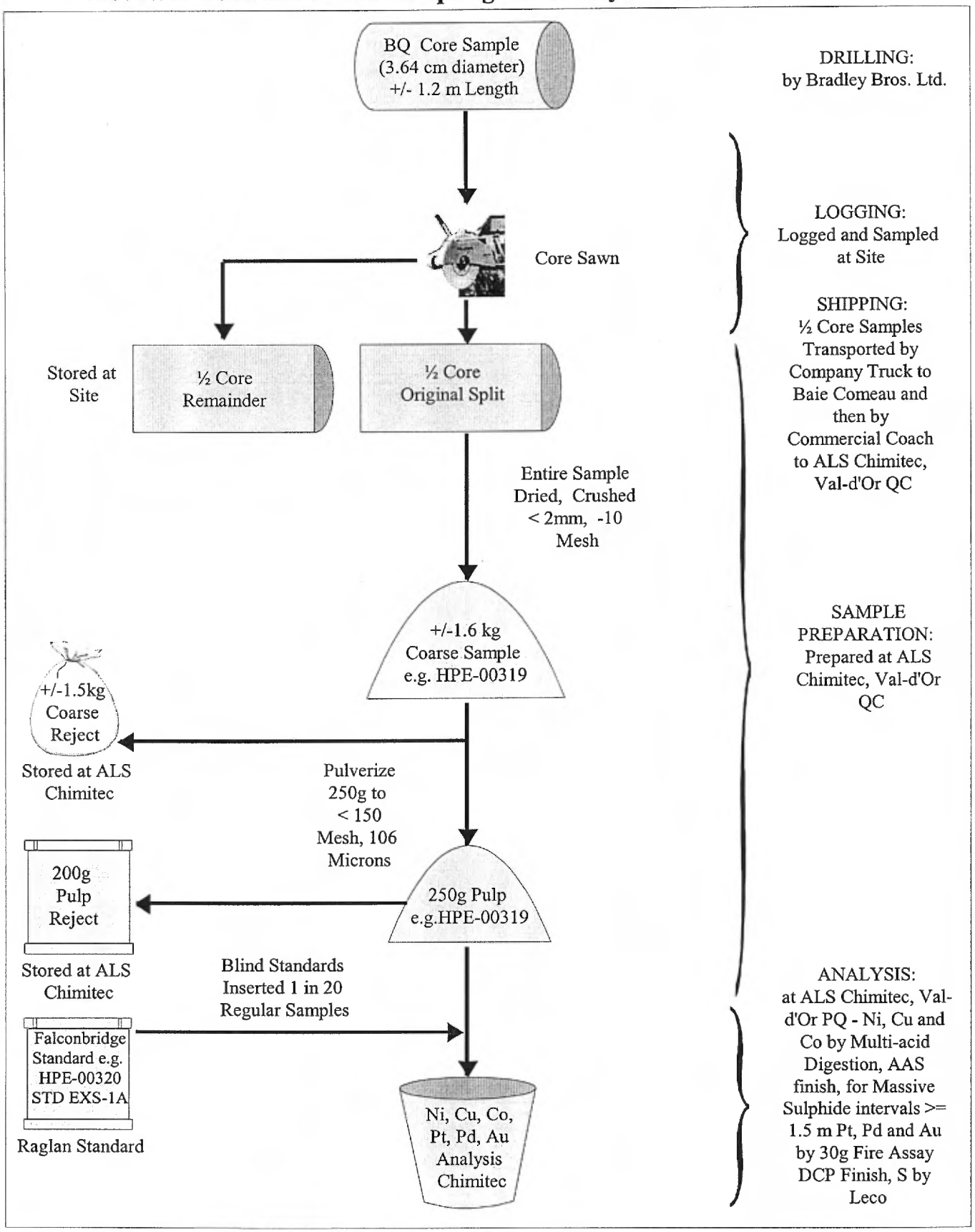
Analytical Quality Control - REFERENCE SAMPLE - EXS-3A

Reference Sample Statistics*	Ni %	Cu %	Co %	Pt ppb	Pd ppb	Au ppb
Max Raglan	0.884	0.214	0.028	180	580	
Accepted Raglan	0.880	0.210	0.025	150	530	30
Min Raglan	0.876	0.206	0.022	120	480	
Mean RR	0.791	0.195	0.0221	157.6	527.7	53.7
Std error	0.008	0.0031	0.00034	3.2	6.7	2.8
Median	0.785	0.200	0.022	150	526	48
Std deviation	0.0370	0.0144	0.00156	14.8	30.8	27.1
Min	0.740	0.16	0.02	140	480	30
Max	0.850	0.212	0.025	186	584	150
95% con interval	0.0169	0.0065	0.000071	6.74	14.04	6.05
count	21	21	21	21	21	21

* Falconbridge report "Geochemical Standards EXS Seriies, Certificates, Results and Statistics"
Quality Control Codes, RR=Round robin analysis, MS= Regular mainstream analysis

SEQ	Use	Sort	Standard	Sample	Ni %	Cu %	Co %	Pt ppb	Pd ppb	Au ppb	File	Date Report	Lab
1	RR	1	EXS-3A	EXS-3A	0.74	0.19	0.022	140	480	150			Lakefield
2	RR	2	EXS-3A	EXS-3A	0.75	0.19	0.022	140	490	60			Lakefield
3	RR	3	EXS-3A	EXS-3A	0.74	0.19	0.022	160	530	50			Lakefield
4	RR	4	EXS-3A	EXS-3A	0.76	0.18	0.022	150	510	50			Lakefield
5	RR	5	EXS-3A	EXS-3A	0.75	0.19	0.022	150	500	30			Lakefield
6	RR	6	EXS-3A	EXS-3A	0.75	0.19	0.022	150	510	100			Lakefield
7	RR	7	EXS-3A	EXS-3A	0.763	0.2024	0.0222	185	558	54			XRAL
8	RR	8	EXS-3A	EXS-3A	0.785	0.2024	0.0222	176	566	44			XRAL
9	RR	9	EXS-3A	EXS-3A	0.765	0.1996	0.0227	185	582	49			XRAL
10	RR	10	EXS-3A	EXS-3A	0.771	0.2042	0.0222	174	558	45			XRAL
11	RR	11	EXS-3A	EXS-3A	0.773	0.199	0.0222	186	584	48			XRAL
12	RR	12	EXS-3A	EXS-3A									XRAL
13	RR	13	EXS-3A	EXS-3A	0.83	0.21	0.02	150	510	40			TSL
14	RR	14	EXS-3A	EXS-3A	0.83	0.2	0.02	140	480	30			TSL
15	RR	15	EXS-3A	EXS-3A	0.82	0.17	0.02	150	540	45			TSL
16	RR	16	EXS-3A	EXS-3A	0.81	0.16	0.02	150	540	40			TSL
17	RR	17	EXS-3A	EXS-3A	0.81	0.17	0.02	150	550	35			TSL
18	RR	18	EXS-3A	EXS-3A	0.8502	0.208	0.024	155	526	49			Chimitec
19	RR	19	EXS-3A	EXS-3A	0.8374	0.2011	0.0235	150	538	30			Chimitec
20	RR	20	EXS-3A	EXS-3A	0.8121	0.207	0.0223	150	511	60			Chimitec
21	RR	21	EXS-3A	EXS-3A	0.8347	0.2118	0.0253	161	515	72			Chimitec
22	RR	22	EXS-3A	EXS-3A	0.8281	0.2091	0.0253	158	504	47			Chimitec
23	151-01	99	EXS-3A	HPE-00280	0.8426	0.2033	0.0269	163	528	36	C01-61055.0	1-Jun-01	Chimitec
24	151-02	67	EXS-3A	HPE-00120	0.81	0.203	0.0243	162	545	37	C01-60963.0	18-May-01	Chimitec
25	151-03	17	EXS-3A	HPE-00040	0.8365	0.2154	0.0248	172	569	83	C01-60961.0	28-May-01	Chimitec
26	151-03	33	EXS-3A	HPE-00060	0.8267	0.197	0.0243	171	548	30	C01-60933.0	10-May-01	Chimitec
27	151-04	182	EXS-3A	HPE-00200	0.8883	0.2168	0.0267	184	561	65	C01-60987.0	30-May-01	Chimitec
28	151-06	72	EXS-3A	HPE-00220	0.8002	0.2004	0.0261	178	563	76	C01-61055.0	1-Jun-01	Chimitec
29	151-06	160	EXS-3A	HPE-00240	0.8424	0.205	0.0263	170	545	34	C01-61025.0	29-May-01	Chimitec
30	151-06	234	EXS-3A	HPE-00260	0.8214	0.2034	0.0257	162	531	46	C01-61055.0	1-Jun-01	Chimitec
31	2002	38	EXS-3A	HPE-00340	0.86	0.2	0.019				C02-61044.0	16-Apr-02	Chimitec
32	2002	148	EXS-3A	HPE-00380	0.85	0.21	0.016				C02-61045.0	16-Apr-02	Chimitec
33	2004	105	EXS-3A	HPE-00420	0.87	0.2	0.018				C02-61046.0	12-Apr-02	Chimitec

Rockwell Ventures Inc. - Haut Plateau Project, Quebec
Rockwell 2002 Drill Core Sampling and Analytical Flow Chart



Rockwell Ventures Inc.

HUNTER DICKINSON INC. Responsible Mineral Development

GcdbHP.mdb [CoreFlow:Report]
Date: 24-Apr-02

GEOCHEMICAL STANDARDS

EXS SERIES
CERTIFICATES, RESULTS AND STATISTICS.

COMPILATION REPORT

Falconbridge Limited
Exploration - Eastern North America

Memorandum

Date:	**April 26, 2001**
To:	**ENA and WNA**
From:	**Danielle Giovenazzo**
Subject:	**EXS -Standard compilation**

Introduction

Please find in this binder

- A- Tables containing the analytical results from four commercial laboratories, with statistics and corresponding histograms per standard.
- B- Certificates of analytical data from the four different laboratories
- C- Certificates of analytical values from SMRQ with memos concerning the EXS standards
- D- CIM article on sampling best practices (memo by Chester Moore, Feb. 3, 2000)
- E- Analytical Quality control procedures in Mineral exploration, by Barry W. Smee, Oct. 13, 1993
- F- Precision Graphs, by Lynda Bloom, March 18, 2000
- G- Memo from Denis Prince on assay procedures, May 20, 1993

EXS-1a, EXS-2a and EXS-3a are internal standards made for the Laval Exploration Group in January 2000. They were mixed from rocks of Raglan and all three batches proved homogeneous (memo from C-E. Foucault, 27 April 2000). SMRQ issued certificate of analysis for the EXS series standards with recommended Ni, Cu, Co, S and specific gravity values.

Because SMRQ only analysed for the metals (Ni, Cu, Co, Fe, Au, Pd, Pt and S), twenty sub samples were provided in order to be sent for analysis for the other element and Oxides.

Four Analytical laboratories were approached - Lakefield, Bondar-Clegg, TSL Laboratories and X-Ral.

Analytical methods by Laboratory

TSL Laboratories
#2 – 302 48th Street
Saskatoon, SK

Element / Oxide	Methods	Extraction	Lower Detection limit
Oxides	ICP	Lithium Borate fusion	0.01 %
Ba, Sr, Zr	ICP	Lithium Borate fusion	10 ppm
Y, Sc	ICP	Lithium Borate fusion	1 and 2 ppm
Ni, Cu, Co, As Zn	Atomic Absorption	Hf-HNO3-HClO4	0.01%
Ag	Atomic Absorption	Hf-HNO3-HClO4	1.7 ppm
Au,	Atomic Absorption	Fire Assay Fusion	5 ppb
Pt, Pd	Atomic Absorption	Fire Assay Fusion	20 and 10 ppb
S	ICP	HCl-HNO3- HBr	0.01%

Bondar-Clegg
1322b rue Harricana,
Val D'Or, P.Q.
(Richard Deschambeault)

Element / Oxide	Methods	Extraction	Lower Detection limit
Oxides	XRF	Borate fusion	0.01%
Ba,	XRF	Pressed pellets	10 ppm
Nb, Rb,	XRF	Pressed pellets	2 ppm
Sr, Y, Zr	XRF	Pressed pellets	1 ppm
V	Atomic Absorption	Hf-HNO3-HClO4	10 ppm
Ni, Cu, Zn	Atomic Absorption	Hf-HNO3-HClO4	1 ppm
Co	Atomic Absorption	Hf-HNO3-HClO4	3 ppm
Ag	Atomic Absorption	Hf-HNO3-HClO4	0.1 ppm
As	Neutron Activation		1.0 ppm
Au, Pd	DCP	Fire assay	1 ppb
Pt	DCP	Fire assay	5 ppb
S	Leco		0.01 %

Lakefield Research Limited
Box 4300, 185 Concession St.
Lakefield, Ont.
(Roch Marion)

Element / Oxide	Methods	Extraction	Lower Detection limit
Oxides	XRF	Borate fusion	0.01%
Ba,	XRF	Pressed pellets	10 ppm
Nb, Rb, Sr, Y, Zr	XRF	Pressed pellets	5 ppm
Ni, Cu,Co,	XRF	Pulp	5 ppm
V	ICP	HCl-HNO3-HF-HClO4	50 ppm
Ag, Zn	ICP	HCl-HNO3-HF-HClO4	5 ppm
As	ICP	HCl-HNO3-HF-HClO4	10 ppm
Au, Pt, Pd	Fire Assay	Lead fusion	0.02 ppm
S	Leco		0.01%

XRAL Laboratories
SGS Canada Inc.
129 Ave. Marcel Baril
Rouyn-Noranda
(Joe Landers)

Element / Oxide	Methods	Extraction	Lower Detection limit
Oxides	XRF	Borate fusion	0.01%
Ba	XRF	Borate fusion	20 ppm
Nb, Rb Sr, Y, Zr	XRF	Borate fusion	2 ppm
Ni	Atomic Absorption	Hf-HNO3-HCl- HBr	0.01 %
Cu, Zn, Co	AA	HCl-HNO3	2 ppm
Ag	AA	HCl-HNO3	0.2 ppm
V	ICP		10 ppm
As,	AA	HCl-HNO3	0.1 ppm
Au, Pd	DCP	Fire Assay	1 ppb
Pt	DCP	Fire Assay	10 ppb
S	Leco	Fusion	0.01 %

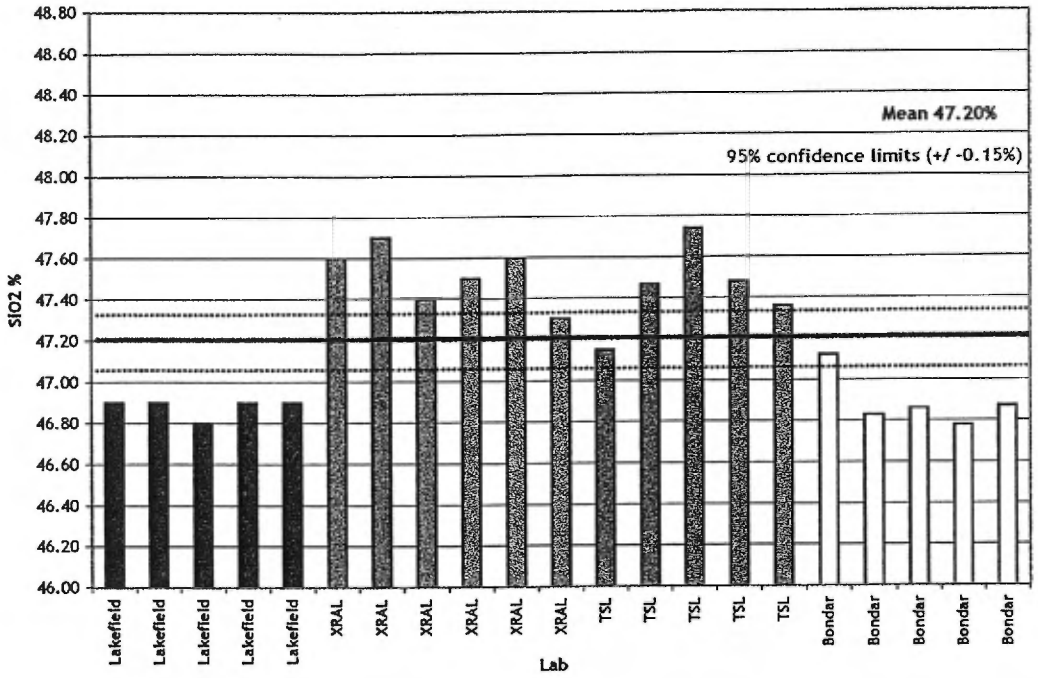
index	Sample ID	Standard	Lab	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
2	SB 4416	EXS-1A	*Lakefield*	46.90	11.30	14.10	10.50	10.50	1.13	0.15	1.07	0.10
3	SB 4417	EXS-1A	*Lakefield*	46.90	11.10	14.20	10.50	10.40	1.24	0.15	1.03	0.11
4	SB 4418	EXS-1A	*Lakefield*	46.80	11.10	14.20	10.60	10.40	1.15	0.15	1.04	0.10
5	SB 4419	EXS-1A	*Lakefield*	46.90	11.10	14.50	10.70	10.50	1.20	0.15	1.06	0.10
6	SB 4420	EXS-1A	*Lakefield*	46.90	11.20	14.60	10.40	10.40	1.19	0.15	1.04	0.10
20	SB 4411	EXS-1A	*XRAL*	47.60	11.10	14.30	10.80	10.30	1.09	0.17	1.05	0.12
35	SB 4411 (Dup	EXS-1A	*XRAL*	47.70	11.10	14.30	10.80	10.40	1.09	0.17	1.04	0.12
21	SB 4412	EXS-1A	*XRAL*	47.40	11.00	14.30	10.90	10.40	1.17	0.19	1.03	0.12
22	SB 4413	EXS-1A	*XRAL*	47.50	11.10	14.30	10.70	10.30	1.13	0.17	1.03	0.12
23	SB 4414	EXS-1A	*XRAL*	47.60	11.10	14.30	10.80	10.40	1.14	0.17	1.03	0.14
24	SB 4415	EXS-1A	*XRAL*	47.30	11.00	14.20	10.70	10.40	1.15	0.20	1.03	0.12
39	SB 4406	EXS-1A	*TSL*	47.15	10.86	14.02	10.86	10.66	1.18	0.14	1.03	0.15
40	SB 4407	EXS-1A	*TSL*	47.47	10.86	13.77	10.69	10.60	1.18	0.13	1.03	0.15
41	SB 4408	EXS-1A	*TSL*	47.74	10.69	13.84	10.57	10.54	1.15	0.13	1.01	0.15
42	SB 4409	EXS-1A	*TSL*	47.48	10.81	13.79	10.58	10.54	1.17	0.14	1.01	0.14
43	SB 4410	EXS-1A	*TSL*	47.36	10.87	13.91	10.52	10.68	1.21	0.14	1.01	0.13
55	SB 4401	EXS-1A	*Bondar*	47.12	10.94	14.24	10.47	10.51	1.06	0.17	1.04	0.12
56	SB 4402	EXS-1A	*Bondar*	46.83	10.87	14.14	10.40	10.44	1.04	0.16	1.02	0.11
57	SB 4403	EXS-1A	*Bondar*	46.86	10.91	14.14	10.36	10.45	1.06	0.16	1.04	0.12
58	SB 4404	EXS-1A	*Bondar*	46.78	10.86	14.10	10.34	10.37	1.05	0.16	1.04	0.11
59	SB 4405	EXS-1A	*Bondar*	46.87	10.98	14.08	10.27	10.49	1.06	0.16	1.05	0.14
		Mean		**47.20**	**10.99**	**14.16**	**10.59**	**10.46**	**1.14**	**0.16**	**1.03**	**0.12**
		Std error		0.07	0.03	0.05	0.04	0.02	0.01	0.00	0.00	0.00
		Median		47.15	11.00	14.20	10.58	10.44	1.15	0.16	1.03	0.12
		Std deviation		**0.34**	**0.15**	**0.21**	**0.18**	**0.10**	**0.06**	**0.02**	**0.02**	**0.02**
		Min		46.78	10.69	13.77	10.27	10.30	1.04	0.13	1.01	0.10
		Max		47.74	11.30	14.60	10.90	10.68	1.24	0.20	1.07	0.15
		95% con interval		0.15	0.07	0.10	0.08	0.05	0.03	0.01	0.01	0.01
		count		21	21	21	21	21	21	21	21	21

Standard	Lab	MnO %	Cr2O3 %	LOI %	SUM %	Ba ppm	Nb ppm	Rb ppm	Sr ppm	Y ppm	Zr ppm	Ni ppm	Cu ppm
EXS-1A	*Lakefield*	0.21	0.11	3.27	99.30	24	7	< 5	172	21	86	2200	690
EXS-1A	*Lakefield*	0.21	0.11	3.36	99.30	19	7	< 5	169	21	86	2200	700
EXS-1A	*Lakefield*	0.19	0.11	3.32	99.20	19	7	< 5	174	22	86	2200	690
EXS-1A	*Lakefield*	0.21	0.11	3.31	99.80	< 10	5	< 5	164	20	87	2200	680
EXS-1A	*Lakefield*	0.21	0.11	3.25	99.60	29	6	< 5	168	20	88	2200	690
EXS-1A	*XRAL*	0.22	0.12	3.10	100.00	42	7	7	192	25	96	2460	742
EXS-1A	*XRAL*	0.22	0.12	3.05	100.10	41	8	6	193	25	96	2460	
EXS-1A	*XRAL*	0.21	0.12	2.95	99.80	30	7	7	191	24	95	2360	744
EXS-1A	*XRAL*	0.22	0.12	3.05	99.90	33	7	5	186	27	95	2350	752
EXS-1A	*XRAL*	0.21	0.15	2.95	100.00	42	7	4	192	25	93	2410	764
EXS-1A	*XRAL*	0.22	0.12	2.90	99.40	31	8	4	197	25	94	2440	726
EXS-1A	*TSL*	0.21	na	3.25	99.55	30	< 10	< 100	190	20	80	2300	800
EXS-1A	*TSL*	0.20	na	3.20	99.32	30	< 10	< 100	200	20	90	2300	800
EXS-1A	*TSL*	0.20	na	3.22	99.29	30	< 10	< 100	190	20	80	2400	800
EXS-1A	*TSL*	0.20	na	3.25	99.16	30	< 10	< 100	190	20	80	2400	800
EXS-1A	*TSL*	0.20	na	3.28	99.34	30	< 10	< 100	200	20	80	2400	800
EXS-1A	*Bondar*	0.21	0.11	3.31	99.29	38	9	5	186	26	96	2540	749
EXS-1A	*Bondar*	0.21	0.11	3.36	98.69	34	8	4	186	26	94	2541	760
EXS-1A	*Bondar*	0.21	0.11	3.30	98.72	36	8	3	187	26	95	2475	752
EXS-1A	*Bondar*	0.21	0.11	3.39	98.52	33	8	4	185	26	95	2579	766
EXS-1A	*Bondar*	0.21	0.11	3.33	98.75	34	7	5	187	26	95	2523	760
Mean		**0.21**	**0.12**	**3.21**	**99.38**				**185.67**	**23.10**	**89.86**	**2378.00**	**748.25**
Std error		0.00	0.00	0.03	0.10				2.26	0.60	1.32	27.39	9.17
Median		0.21	0.11	3.25	99.32				187.00	24.00	93.00	2400.00	752.00
Std deviation		**0.01**	**0.01**	**0.15**	**0.46**				**10.36**	**2.74**	**6.06**	**125.52**	**41.02**
Min		0.19	0.11	2.90	98.52				164.00	20.00	80.00	2200.00	680.00
Max		0.22	0.15	3.39	100.10				200.00	27.00	96.00	2579.00	800.00
95% con interval		0.00	0.01	0.07	0.21				4.71	1.25	2.76	57.14	19.20
count		21	16	21	21				21.0	21.0	21.0	21.0	20.0

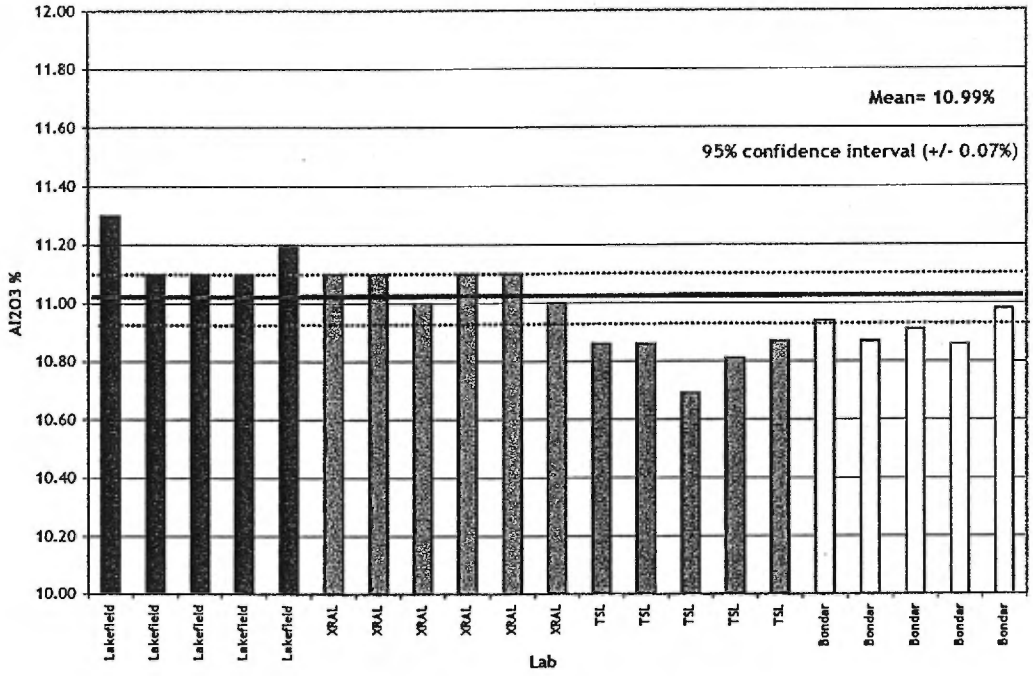
Standard	Lab	Co ppm	V ppm	Au ppb	Pt ppb	Pd ppb	S %	Ni %	Cu %	Co %	Au ppm	Pd ppm	Pt ppm
EXS-1A	*Lakefield*	95	250			210	0.61				0.09	0.21	0.07
EXS-1A	*Lakefield*	96	250			200	0.65				0.12	0.2	0.07
EXS-1A	*Lakefield*	95	260			190	0.65				0.06	0.19	0.06
EXS-1A	*Lakefield*	98	260			190	0.63				0.05	0.19	0.06
EXS-1A	*Lakefield*	95	260			200	0.63				0.04	0.2	0.06
EXS-1A	*XRAL*	72	326	17	63	183	0.6	0.246					
EXS-1A	*XRAL*		314				0.61	0.246					
EXS-1A	*XRAL*	72	327	16	68	183	0.62	0.236					
EXS-1A	*XRAL*	75	314	26	62	186	0.65	0.235					
EXS-1A	*XRAL*	75	330	19	67	190	0.6	0.241					
EXS-1A	*XRAL*	77	330	18	74	186	0.63	0.244					
EXS-1A	*TSL*			20	85	190	0.63		0.08	0.01			
EXS-1A	*TSL*			35	85	190	0.64		0.08	0.01			
EXS-1A	*TSL*			15	75	190	0.66		0.08	0.01			
EXS-1A	*TSL*			25	85	190	0.66		0.08	0.01			
EXS-1A	*TSL*			35	85	190	0.66		0.08	0.01			
EXS-1A	*Bondar*	94	294	11	77	190	0.58						
EXS-1A	*Bondar*	91	293	23	71	192	0.65						
EXS-1A	*Bondar*	90	309	29	72	191	0.61						
EXS-1A	*Bondar*	96	297	33	69	188	0.63						
EXS-1A	*Bondar*	95	300	28	72	195	0.62						
Mean		**87.73**	**294.63**	**23.33**	**74.00**	**191.20**	**0.63**						
Std error		2.62	7.39	1.96	2.05	1.39	0.00						
Median		94.00	298.50	23.00	72.00	190.00	0.63						
Std deviation		**10.15**	**29.56**	**7.58**	**7.96**	**6.22**	**0.02**						
Min		72.00	250.00	11.00	62.00	183.00	0.58						
Max		98.00	330.00	35.00	85.00	210.00	0.66						
95% con interval		5.62	15.75	4.19	4.41	2.91	0.01						
count		15.0	16.0	15	15	20.00	21						

Standard	*Lab*	Ag ppm	As ppm	As %	Zn ppm	Zn %
EXS-1A	*Lakefield*	< 5.0	< 10		77	
EXS-1A	*Lakefield*	< 5.0	< 10		77	
EXS-1A	*Lakefield*	< 5.0	< 10		75	
EXS-1A	*Lakefield*	< 5.0	< 10		78	
EXS-1A	*Lakefield*	< 5.0	< 10		76	
EXS-1A	*XRAL*	0.8	0.5		36	
EXS-1A	*XRAL*		0.4			
EXS-1A	*XRAL*	0.7	0.4		40	
EXS-1A	*XRAL*	0.7	0.3		37	
EXS-1A	*XRAL*	0.7	0.3		39	
EXS-1A	*XRAL*	0.7	0.4		40	
EXS-1A	*TSL*	<1.7		0.02		0.01
EXS-1A	*TSL*	<1.7		0.01		0.01
EXS-1A	*TSL*	<1.7		0.02		0.01
EXS-1A	*TSL*	<1.7		0.01		0.01
EXS-1A	*TSL*	<1.7		0.02		0.01
EXS-1A	*Bondar*	0.2	< 1		103	
EXS-1A	*Bondar*	0.4	< 1		101	
EXS-1A	*Bondar*	0.3	1.1		103	
EXS-1A	*Bondar*	0.3	< 1		101	
EXS-1A	*Bondar*	0.3	< 1		101	
Mean						
Std error						
Median						
Std deviation						
Min						
Max						
95% con interval						
count						

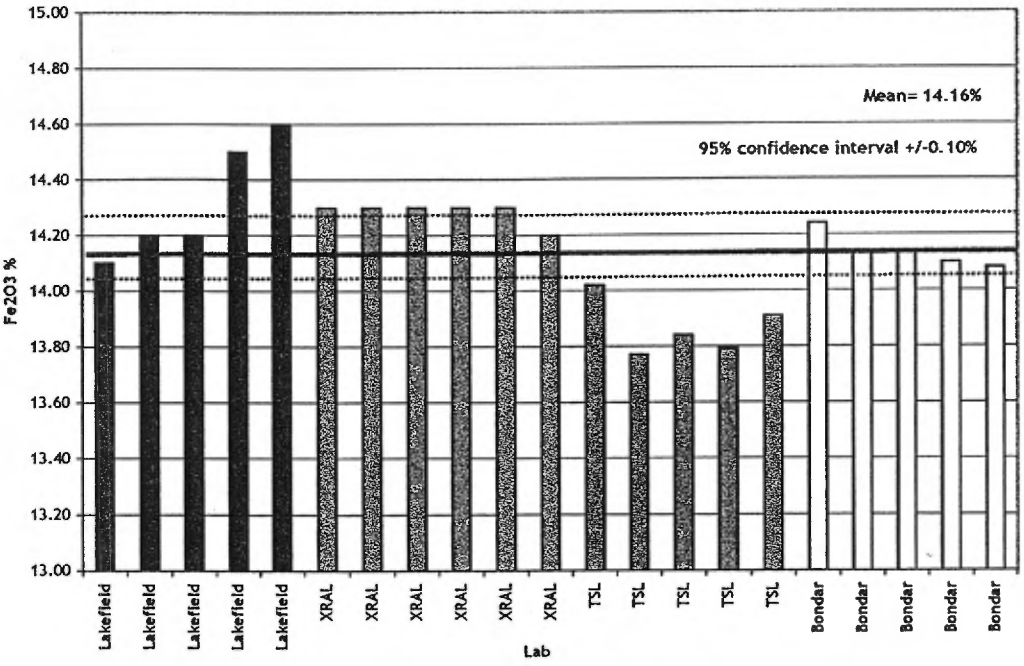
EXS-1A


48.80
48.60
48.40
48.20
48.00
47.80
47.60
47.40
47.20
47.00
46.80
46.60
46.40
46.20
46.00
SIO2 %
Mean 47.20%
95% confidence limits (+/ -0.15%)
Lakefield
Lakefield
Lakefield
Lakefield
Lakefield
XRAL
XRAL
XRAL
XRAL
XRAL
XRAL
TSL
TSL
TSL
TSL
TSL
Bondar
Bondar
Bondar
Bondar
Bondar
Lab

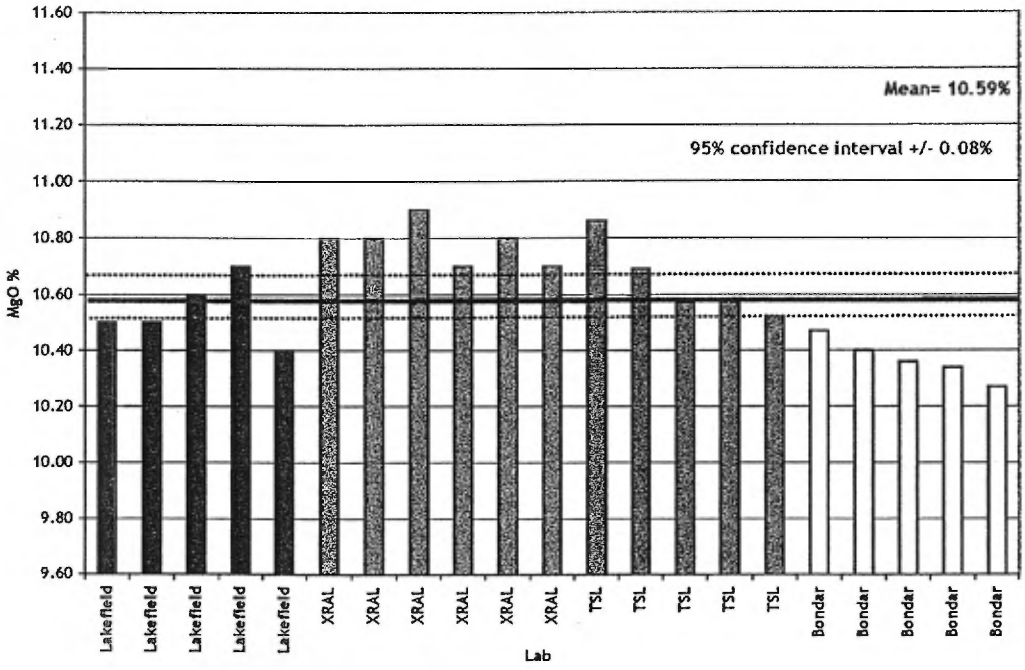
EXS-1A


12.00
11.80
11.60
11.40
11.20
11.00
10.80
10.60
10.40
10.20
10.00
AI2O3 %
Mean= 10.99%
95% confidence interval (+/- 0.07%)
Lakefield
Lakefield
Lakefield
Lakefield
Lakefield
XRAL
XRAL
XRAL
XRAL
XRAL
XRAL
TSL
TSL
TSL
TSL
TSL
Bondar
Bondar
Bondar
Bondar
Bondar
Lab

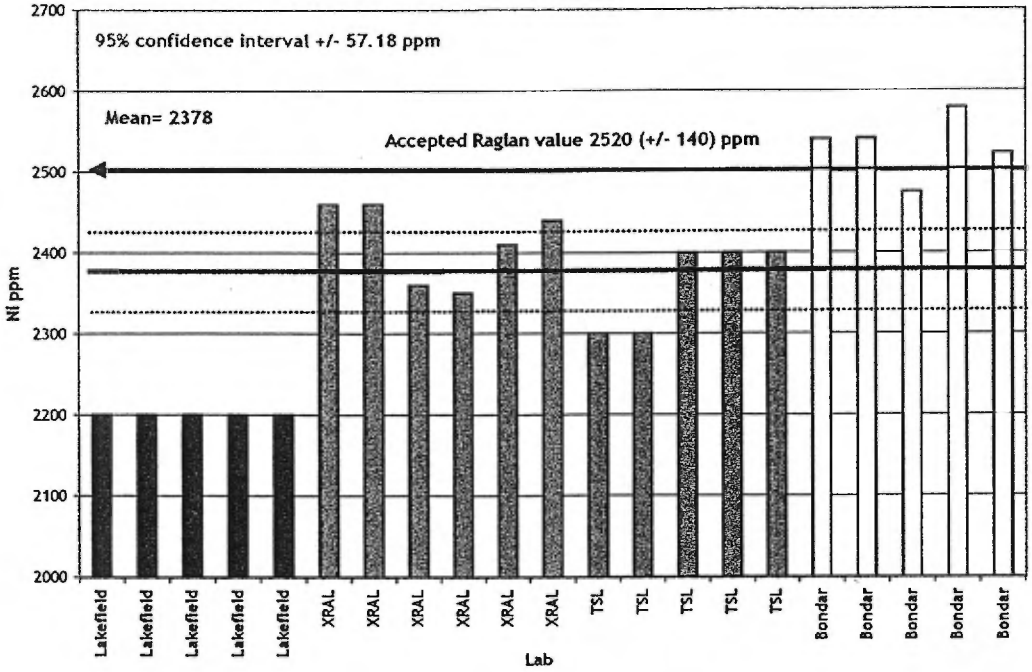
EXS-1A


15.00
14.80
14.60
14.40
14.20
14.00
13.80
13.60
13.40
13.20
13.00
Fe2O3 %
Mean= 14.16%
95% confidence interval +/-0.10%
Lakefield
Lakefield
Lakefield
Lakefield
Lakefield
XRAL
XRAL
XRAL
XRAL
XRAL
XRAL
TSL
TSL
TSL
TSL
TSL
Bondar
Bondar
Bondar
Bondar
Bondar
Lab

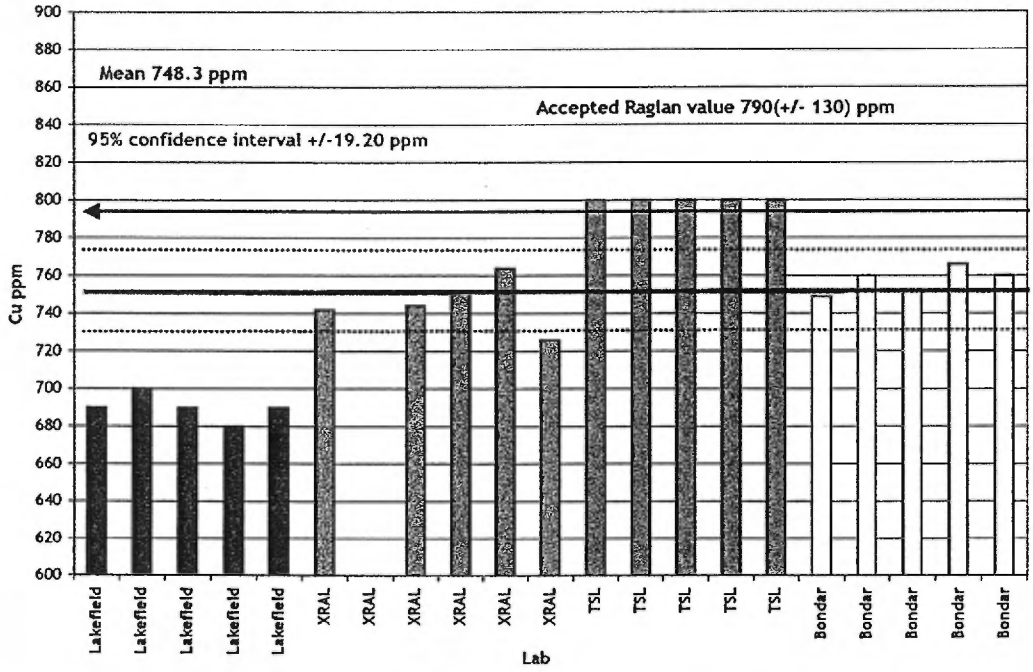
EXS-1A


11.60
11.40
11.20
11.00
10.80
10.60
10.40
10.20
10.00
9.80
9.60
MgO %
Mean= 10.59%
95% confidence interval +/- 0.08%
Lakefield
Lakefield
Lakefield
Lakefield
Lakefield
XRAL
XRAL
XRAL
XRAL
XRAL
XRAL
TSL
TSL
TSL
TSL
TSL
Bondar
Bondar
Bondar
Bondar
Bondar
Lab

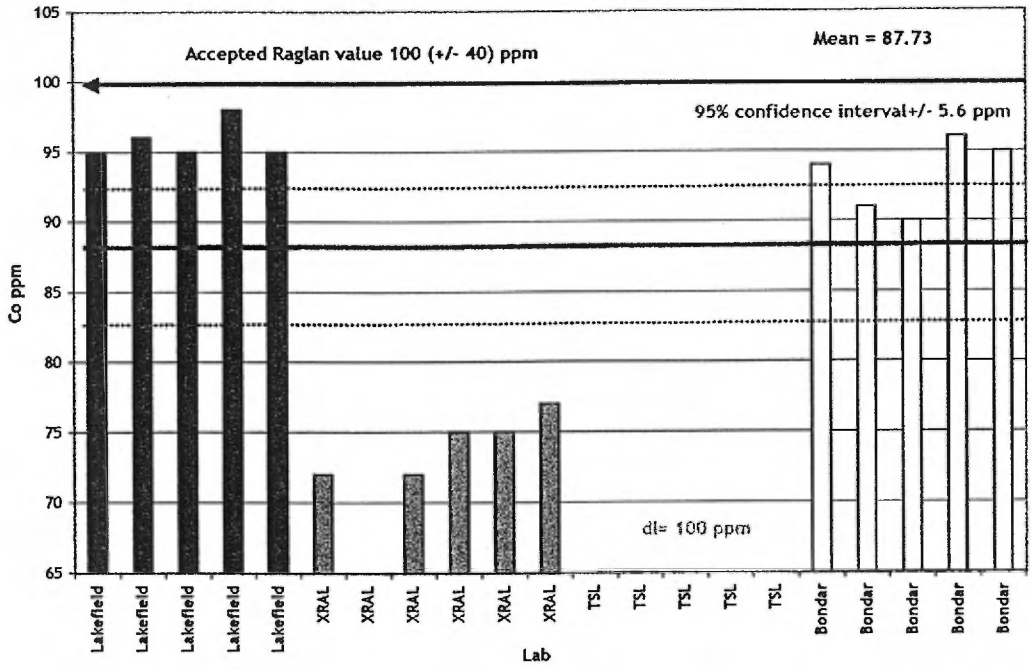
EXS-1A


95% confidence interval +/- 57.18 ppm
Mean= 2378
Accepted Raglan value 2520 (+/- 140) ppm
Ni ppm
2700
2600
2500
2400
2300
2200
2100
2000
Lakefield
XRAL
TSL
Bondar
Lab

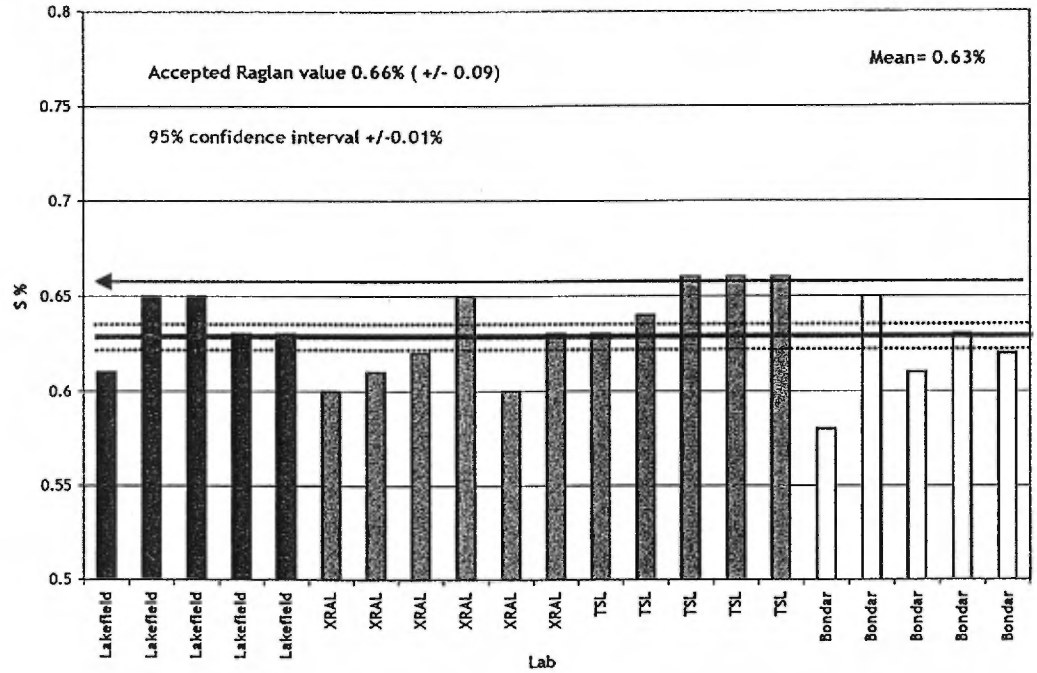
EXS-1A


Mean 748.3 ppm
Accepted Raglan value 790(+/- 130) ppm
95% confidence interval +/-19.20 ppm
Cu ppm
900
880
860
840
820
800
780
760
740
720
700
680
660
640
620
600
Lakefield
XRAL
TSL
Bondar
Lab

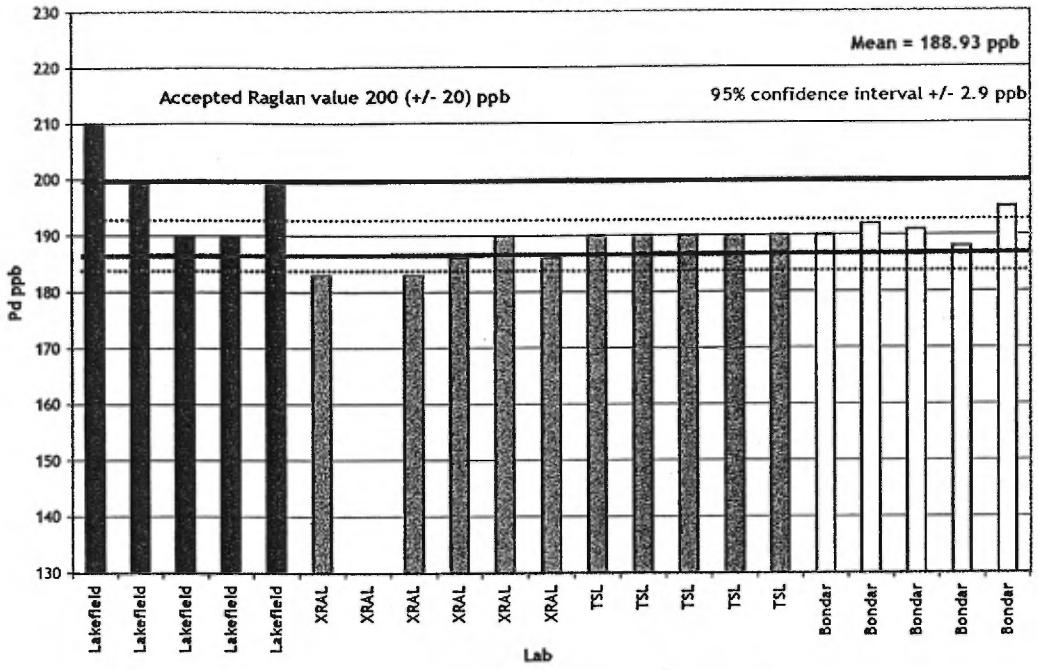
EXS-1A


Accepted Raglan value 100 (+/- 40) ppm
Mean = 87.73
95% confidence interval+/- 5.6 ppm
dl= 100 ppm
Co ppm
105
100
95
90
85
80
75
70
65
Lakefield
XRAL
TSL
Bondar
Lab

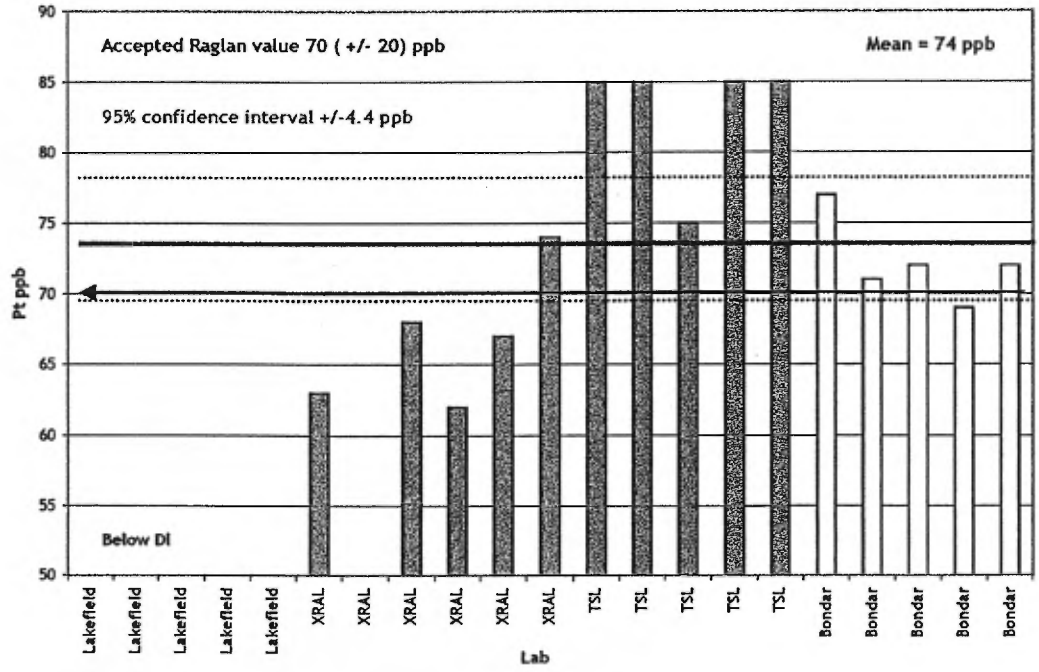
EXS-1A


Accepted Raglan value 0.66% (+/- 0.09)
Mean= 0.63%
95% confidence interval +/-0.01%
S %
0.8
0.75
0.7
0.65
0.6
0.55
0.5
Lakefield
XRAL
TSL
Bondar
Lab

EXS-1A


Mean = 188.93 ppb
Accepted Raglan value 200 (+/- 20) ppb
95% confidence interval +/- 2.9 ppb
Pd ppb
230
220
210
200
190
180
170
160
150
140
130
Lakefield
Lakefield
Lakefield
Lakefield
Lakefield
XRAL
XRAL
XRAL
XRAL
XRAL
XRAL
TSL
TSL
TSL
TSL
TSL
Bondar
Bondar
Bondar
Bondar
Bondar
Lab

EXS-1A


Accepted Raglan value 70 (+/- 20) ppb
Mean = 74 ppb
95% confidence interval +/-4.4 ppb
Below DI
Pt ppb
90
85
80
75
70
65
60
55
50
Lakefield
Lakefield
Lakefield
Lakefield
Lakefield
XRAL
XRAL
XRAL
XRAL
XRAL
XRAL
TSL
TSL
TSL
TSL
TSL
Bondar
Bondar
Bondar
Bondar
Bondar
Lab

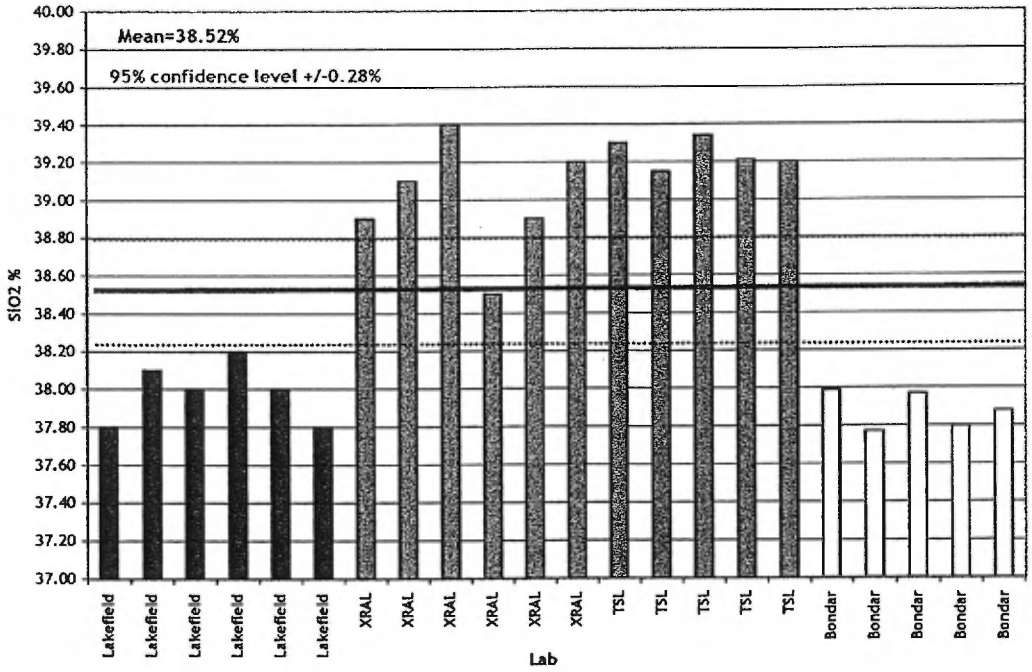
index	Sample ID	Standard	*Lab*	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
12	SB 4456	EXS-3A	*Lakefield*	37.80	4.64	14.10	27.90	2.91	0.12	0.02	0.30	0.03
13	SB 4457	EXS-3A	*Lakefield*	38.10	4.62	13.60	28.10	2.96	0.14	0.02	0.30	0.02
14	SB 4458	EXS-3A	*Lakefield*	38.00	4.58	13.80	27.80	2.93	0.05	0.02	0.29	0.02
15	SB 4459	EXS-3A	*Lakefield*	38.20	4.64	13.50	27.90	2.94	0.06	0.02	0.32	0.02
16	SB 4460	EXS-3A	*Lakefield*	38.00	4.71	14.20	28.00	2.93		0.02	0.29	0.02
17	SB 4460 (Dup	EXS-3A	*Lakefield*	37.80	4.63	14.30	28.10	2.92	0.07	0.02	0.31	0.02
30	SB 4451	EXS-3A	*XRAL*	38.90	4.67	14.40	28.80	2.86		0.04	0.32	0.04
31	SB 4452	EXS-3A	*XRAL*	39.10	4.79	14.40	28.60	2.97	0.02	0.05	0.33	0.05
32	SB 4453	EXS-3A	*XRAL*	39.40	4.63	14.40	29.00	2.91		0.04	0.32	0.04
33	SB 4454	EXS-3A	*XRAL*	38.50	4.62	14.30	28.70	2.85		0.05	0.31	0.05
34	SB 4455	EXS-3A	*XRAL*	38.90	4.67	14.40	28.80	2.86		0.05	0.31	0.04
36	SB 4453 (Dup	EXS-3A	*XRAL*	39.20	4.67	14.40	28.90	2.91		0.05	0.32	0.04
49	SB 4446	EXS-3A	*TSL*	39.30	4.44	13.82	28.39	2.96	0.04		0.28	0.09
50	SB 4447	EXS-3A	*TSL*	39.15	4.40	13.78	28.42	2.96	0.04		0.29	0.10
51	SB 4448	EXS-3A	*TSL*	39.34	4.33	13.87	28.50	2.91	0.04		0.27	0.10
52	SB 4449	EXS-3A	*TSL*	39.21	4.39	13.69	28.35	2.95	0.04		0.28	0.11
53	SB 4450	EXS-3A	*TSL*	39.20	4.41	13.68	28.47	2.97	0.04		0.29	0.07
65	SB 4441	EXS-3A	*Bondar*	37.99	4.55	14.19	27.51	2.95	0.08	0.03	0.28	0.03
66	SB 4442	EXS-3A	*Bondar*	37.77	4.51	14.05	27.49	2.93	0.06	0.04	0.29	0.03
67	SB 4443	EXS-3A	*Bondar*	37.97	4.52	14.23	27.66	2.94	0.06	0.03	0.28	0.03
68	SB 4444	EXS-3A	*Bondar*	37.80	4.42	13.91	27.07	4.26	0.07	0.03	0.28	0.20
69	SB 4445	EXS-3A	*Bondar*	37.88	4.51	14.17	27.61	2.95	0.07	0.03	0.28	0.04
		Mean		38.52	4.56	14.05	28.19	2.99	0.06	0.03	0.30	0.05
		Std error		0.13	0.03	0.06	0.11	0.06	0.01	0.00	0.00	0.01
		Median		38.35	4.60	14.14	28.23	2.94	0.06	0.03	0.29	0.04
		Std deviation		0.63	0.12	0.30	0.53	0.29	0.03	0.01	0.02	0.04
		Min		37.77	4.33	13.50	27.07	2.85	0.02	0.02	0.27	0.02
		Max		39.40	4.79	14.40	29.00	4.26	0.14	0.05	0.33	0.20
		95% con interval		0.28	0.05	0.13	0.23	0.13	0.02	0.01	0.01	0.02
		count		22	22	22	22	22	16	17	22	22

Standard	Lab	MnO %	Cr2O3 %	LOI %	SUM %	Ba ppm	Nb ppm	Rb ppm	Sr ppm	Y ppm	Zr ppm	Ni ppm	Cu ppm
EXS-3A	*Lakefield*	0.17	0.54	9.59	98.10	21	< 5	< 5	7	< 5	18	7400	1900
EXS-3A	*Lakefield*	0.17	0.53	9.50	98.10	< 10	< 5	< 5	8	7	17	7500	1900
EXS-3A	*Lakefield*	0.17	0.53	9.55	97.70	< 10	< 5	< 5	8	6	16	7400	1900
EXS-3A	*Lakefield*	0.16	0.53	9.58	97.90	< 10	< 5	< 5	9	5	17	7600	1800
EXS-3A	*Lakefield*	0.17	0.54	9.44	98.30	< 10	< 5	< 5	8	6	18	7500	1900
EXS-3A	*Lakefield*	0.17	0.53	9.47	98.30	< 10	< 5	< 5	9	< 5	14	7500	1900
EXS-3A	*XRAL*	0.18	0.55	9.20	100.00	< 20	< 2	6	9	8	17	7630	2024
EXS-3A	*XRAL*	0.18	0.54	9.10	100.20	25	< 2	5	9	6	20	7850	2024
EXS-3A	*XRAL*	0.19	0.55	9.05	100.50	< 20	< 2	4	10	5	19	7650	1996
EXS-3A	*XRAL*	0.18	0.54	9.10	99.20	< 20	< 2	7	11	6	20	7710	2042
EXS-3A	*XRAL*	0.18	0.55	9.35	100.10	23	< 2	4	11	7	18	7730	1990
EXS-3A	*XRAL*	0.18	0.55	9.10	100.40	< 20	< 2	5	9	5	19		
EXS-3A	*TSL*	0.17	na	9.36	98.87	<10	<10	<0.01	10	5	20	8300	2100
EXS-3A	*TSL*	0.16	na	9.34	98.65	10	<10	<0.01	10	5	20	8300	2000
EXS-3A	*TSL*	0.16	na	9.33	98.85	10	<10	<0.01	10	5	10	8200	1700
EXS-3A	*TSL*	0.16	na	9.36	98.56	10	<10	<0.01	10	5	10	8100	1600
EXS-3A	*TSL*	0.17	na	9.39	98.69	<10	<10	<0.01	10	5	10	8100	1700
EXS-3A	*Bondar*	0.18	0.52	9.51	97.80	< 10	< 2	4	10	7	21	8502	2080
EXS-3A	*Bondar*	0.18	0.51	9.49	97.35	< 10	2	4	10	7	20	8374	2011
EXS-3A	*Bondar*	0.18	0.52	9.43	97.85	< 10	< 2	5	11	7	19	8121	2070
EXS-3A	*Bondar*	0.17	0.50	9.48	98.19	< 10	< 2	4	11	6	20	8347	2118
EXS-3A	*Bondar*	0.18	0.51	9.56	97.78	< 10	< 2	4	11	6	19	8281	2091
Mean		**0.17**	**0.53**	**9.38**	**98.70**				**9.59**	**5.95**	**17.36**	**7909.29**	**1945.05**
Std error		0.00	0.00	0.04	0.21				0.24	0.21	0.73	80.80	31.37
Median		0.17	0.53	9.41	98.43				10.00	6.00	18.50	7850.00	1996.00
Std deviation		**0.01**	**0.02**	**0.17**	**0.96**				**1.14**	**0.94**	**3.40**	**370.27**	**143.74**
Min		0.16	0.50	9.05	97.35				7.00	5.00	10.00	7400.00	1600.00
Max		0.19	0.55	9.59	100.50				11.00	8.00	21.00	8502.00	2118.00
95% con interval		0.00	0.01	0.07	0.43				0.51	0.44	1.51	168.54	65.43
count		22	17	22	22				22	20	22	21	21

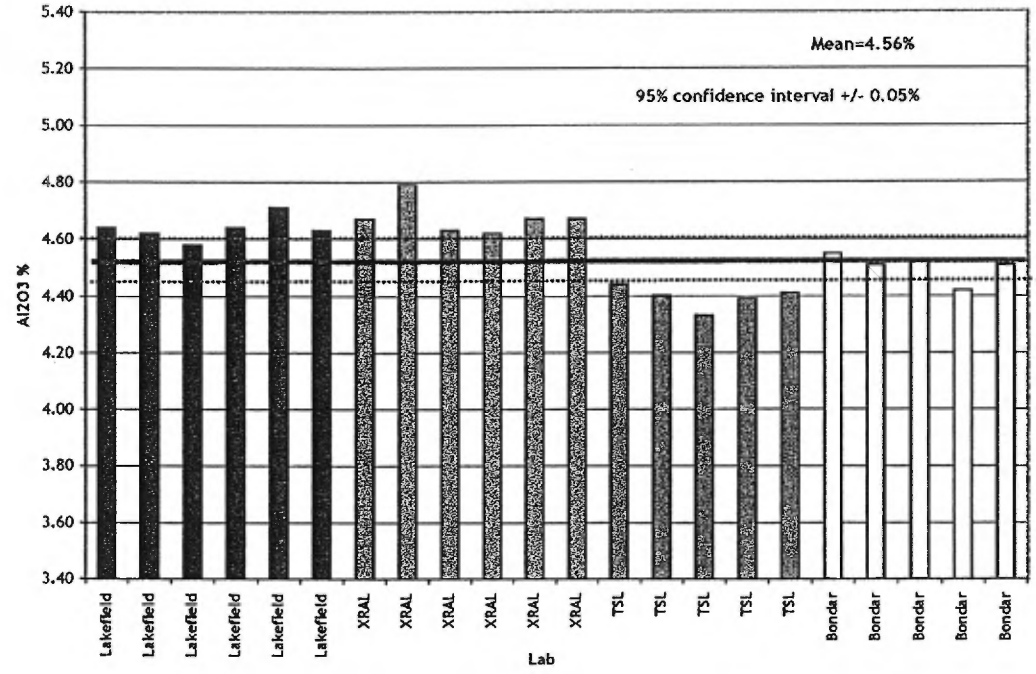
Standard	Lab	Co ppm	V ppm	Au ppb	Pt ppb	Pd ppb	S %	Ni %	Cu %	Co %	Au ppm	Pd ppm	Pt ppm
EXS-3A	*Lakefield*	220	93		140	480	1.95				0.15	0.48	0.14
EXS-3A	*Lakefield*	220	95		140	490	1.93				0.06	0.49	0.14
EXS-3A	*Lakefield*	220	92		160	530	1.97				0.05	0.53	0.16
EXS-3A	*Lakefield*	220	92		150	510	1.89				0.05	0.51	0.15
EXS-3A	*Lakefield*	220	96		150	500	1.94				0.03	0.5	0.15
EXS-3A	*Lakefield*	220	96		150	510	1.94				0.1	0.51	0.15
EXS-3A	*XRAL*	222	128	54	185	558	1.88	0.763					
EXS-3A	*XRAL*	222	135	44	176	566	1.92	0.785					
EXS-3A	*XRAL*	227	123	49	185	582	1.92	0.765					
EXS-3A	*XRAL*	222	127	45	174	558	1.87	0.771					
EXS-3A	*XRAL*	222	126	48	186	584	1.9	0.773					
EXS-3A	*XRAL*		122				2						
EXS-3A	*TSL*	200	na	40	150	510	1.87		0.21	0.02			
EXS-3A	*TSL*	200	na	30	140	480	1.88		0.2	0.02			
EXS-3A	*TSL*	200	na	45	150	540	1.89		0.17	0.02			
EXS-3A	*TSL*	200	na	40	150	540	1.89		0.16	0.02			
EXS-3A	*TSL*	200	na	35	150	550	1.92		0.17	0.02			
EXS-3A	*Bondar*	240	109	49	155	526	2.03						
EXS-3A	*Bondar*	235	113	30	150	538	2.08						
EXS-3A	*Bondar*	223	111	60	150	511	2.07						
EXS-3A	*Bondar*	253	112	72	161	515	2.07						
EXS-3A	*Bondar*	253	103	47	158	504	2.02						
Mean		**220.90**	**110.18**	**45.87**	**157.62**	**527.71**	**1.95**						
Std error		3.40	3.55	2.82	3.23	6.73	0.01						
Median		220.00	111.00	45.00	150.00	526.00	1.93						
Std deviation		**15.59**	**14.63**	**10.92**	**14.81**	**30.84**	**0.07**						
Min		200.00	92.00	30.00	140.00	480.00	1.87						
Max		253.00	135.00	72.00	186.00	584.00	2.08						
95% con interval		7.10	7.52	6.05	6.74	14.04	0.03						
count		21	17	15	21	21	22						

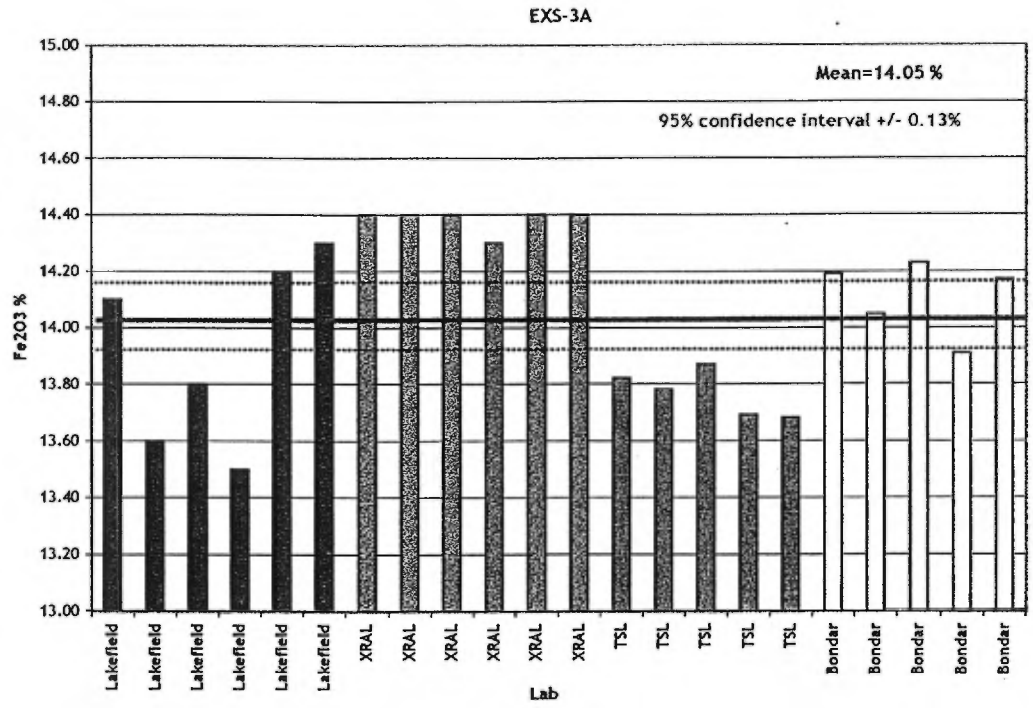
Standard	Lab	Ag ppm	As ppm	As %	Zn ppm	Zn %
EXS-3A	*Lakefield*	< 5.0	< 10		68	
EXS-3A	*Lakefield*	< 5.0	< 10		73	
EXS-3A	*Lakefield*	< 5.0	< 10		63	
EXS-3A	*Lakefield*	< 5.0	< 10		60	
EXS-3A	*Lakefield*	< 5.0	< 10		72	
EXS-3A	*Lakefield*	< 5.0	< 10		68	
EXS-3A	*XRAL*	1.2	1.3		39	
EXS-3A	*XRAL*	1.3	1.6		40	
EXS-3A	*XRAL*	1.2	1.6		36	
EXS-3A	*XRAL*	1.2	1.5		39	
EXS-3A	*XRAL*	1.3	1.4		39	
EXS-3A	*XRAL*		1.8			
EXS-3A	*TSL*	<1.7		0.02		0.02
EXS-3A	*TSL*	<1.7		0.02		0.01
EXS-3A	*TSL*	<1.7		0.01		0.01
EXS-3A	*TSL*	<1.7		0.02		0.01
EXS-3A	*TSL*	<1.7		0.01		0.01
EXS-3A	*Bondar*	0.4	2.6		111	
EXS-3A	*Bondar*	0.4	2.7		113	
EXS-3A	*Bondar*	0.4	2.1		113	
EXS-3A	*Bondar*	0.6	2.7		114	
EXS-3A	*Bondar*	0.6	2.5		108	
Mean						
Std error						
Median						
Std deviation						
Min						
Max						
95% con interval						
count						

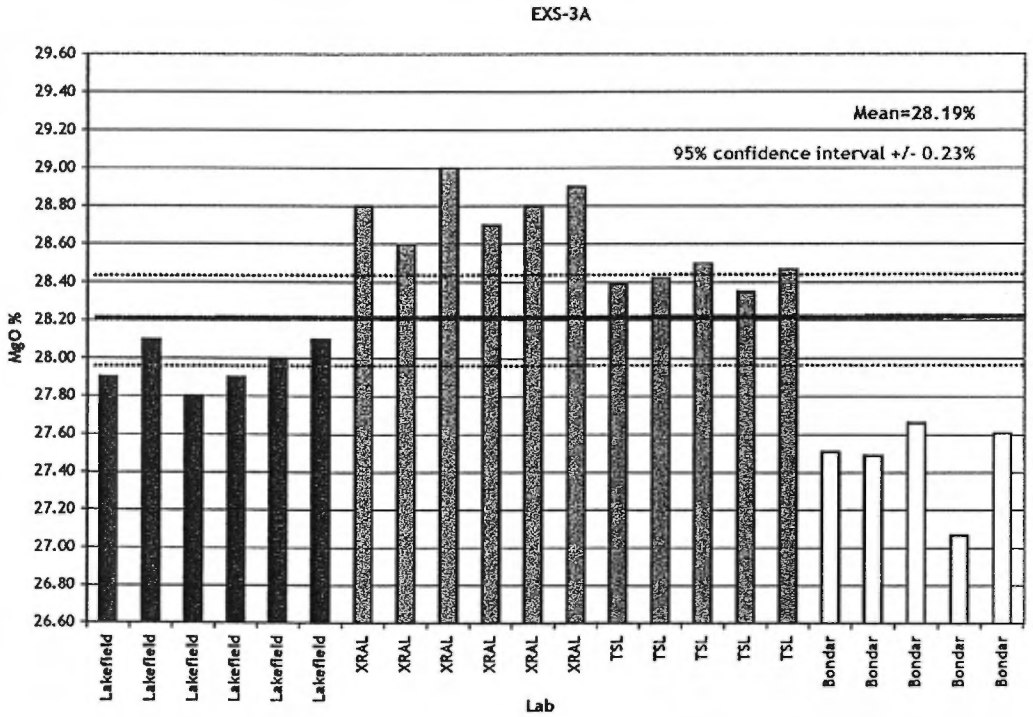
EXS-3A


Mean=38.52%
95% confidence level +/-0.28%
SiO2 %
40.00
39.80
39.60
39.40
39.20
39.00
38.80
38.60
38.40
38.20
38.00
37.80
37.60
37.40
37.20
37.00
Lakefield
XRAL
TSL
Bondar
Lab

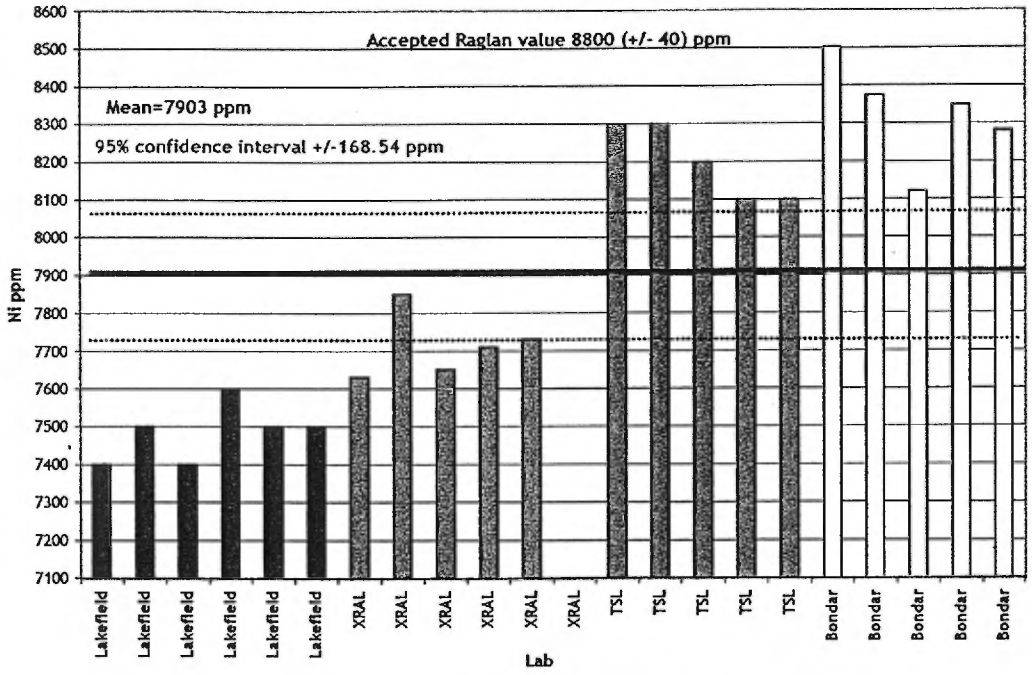
EXS-3A


Mean=4.56%
95% confidence interval +/- 0.05%
Al2O3 %
5.40
5.20
5.00
4.80
4.60
4.40
4.20
4.00
3.80
3.60
3.40
Lakefield
XRAL
TSL
Bondar
Lab

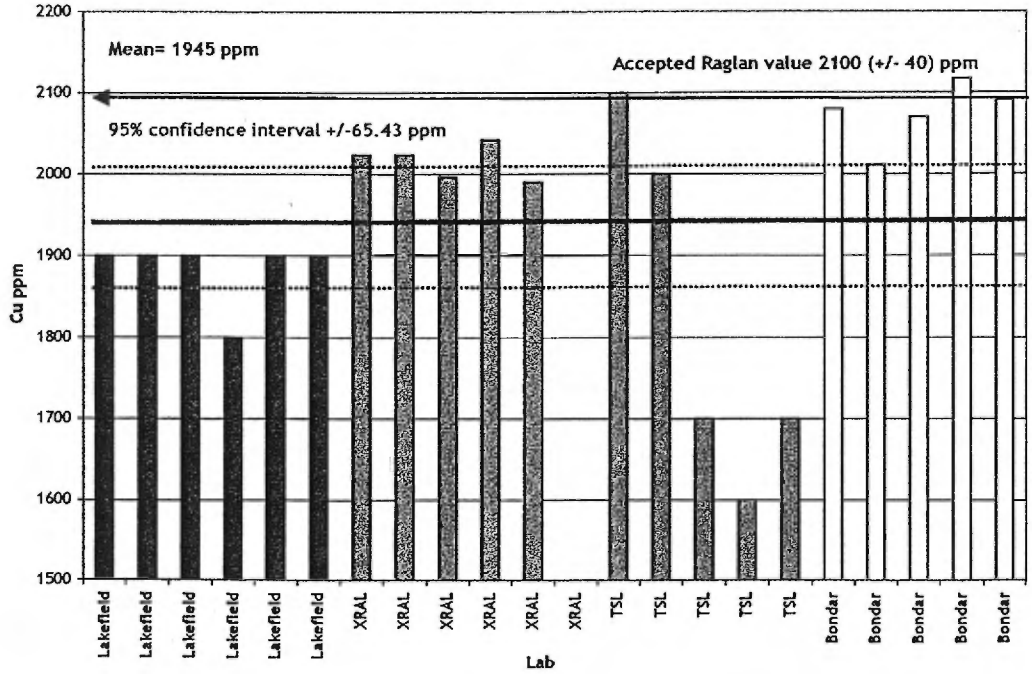

EXS-3A
Mean=14.05 %
95% confidence interval +/- 0.13%
Fe2O3 %
15.00
14.80
14.60
14.40
14.20
14.00
13.80
13.60
13.40
13.20
13.00
Lakefield
XRAL
TSL
Bondar
Lab


EXS-3A
Mean=28.19%
95% confidence interval +/- 0.23%
MgO %
29.60
29.40
29.20
29.00
28.80
28.60
28.40
28.20
28.00
27.80
27.60
27.40
27.20
27.00
26.80
26.60
Lakefield
XRAL
TSL
Bondar
Lab

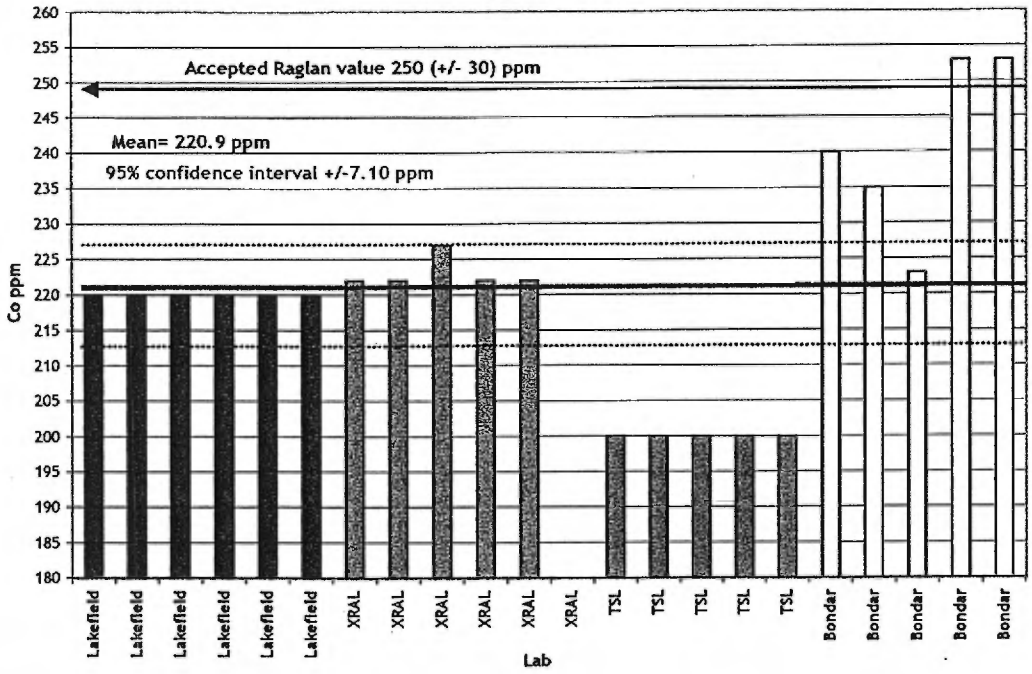
EXS-3A


Accepted Raglan value 8800 (+/- 40) ppm
Mean=7903 ppm
95% confidence interval +/-168.54 ppm
Ni ppm
8600
8500
8400
8300
8200
8100
8000
7900
7800
7700
7600
7500
7400
7300
7200
7100
Lakefield
XRAL
TSL
Bondar
Lab

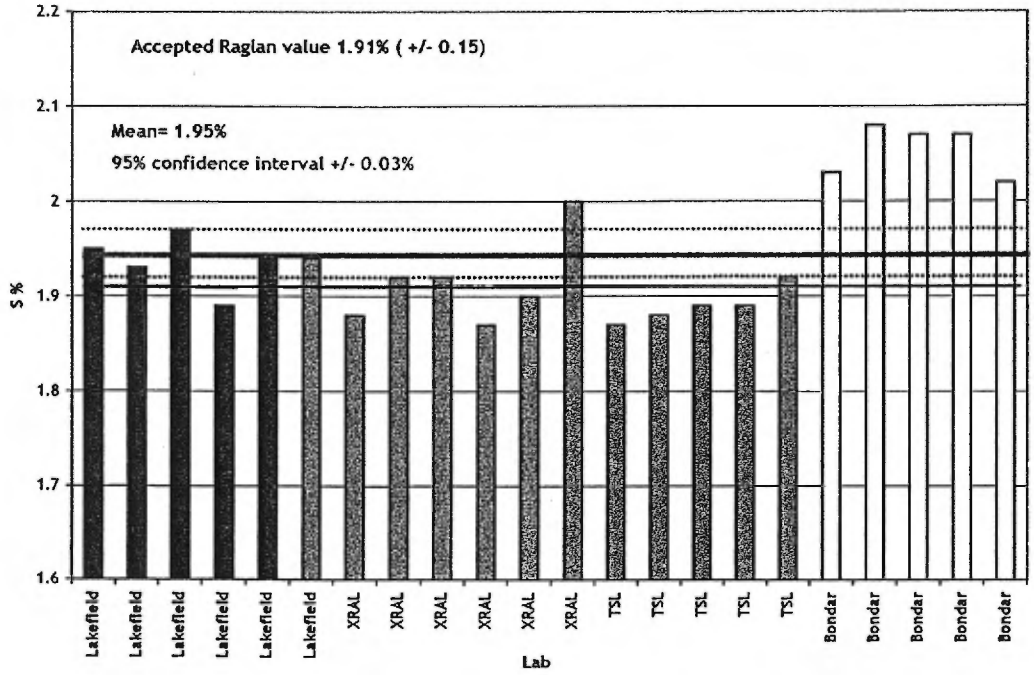
EXS-3A


Mean= 1945 ppm
Accepted Raglan value 2100 (+/- 40) ppm
95% confidence interval +/-65.43 ppm
Cu ppm
2200
2100
2000
1900
1800
1700
1600
1500
Lakefield
XRAL
TSL
Bondar
Lab

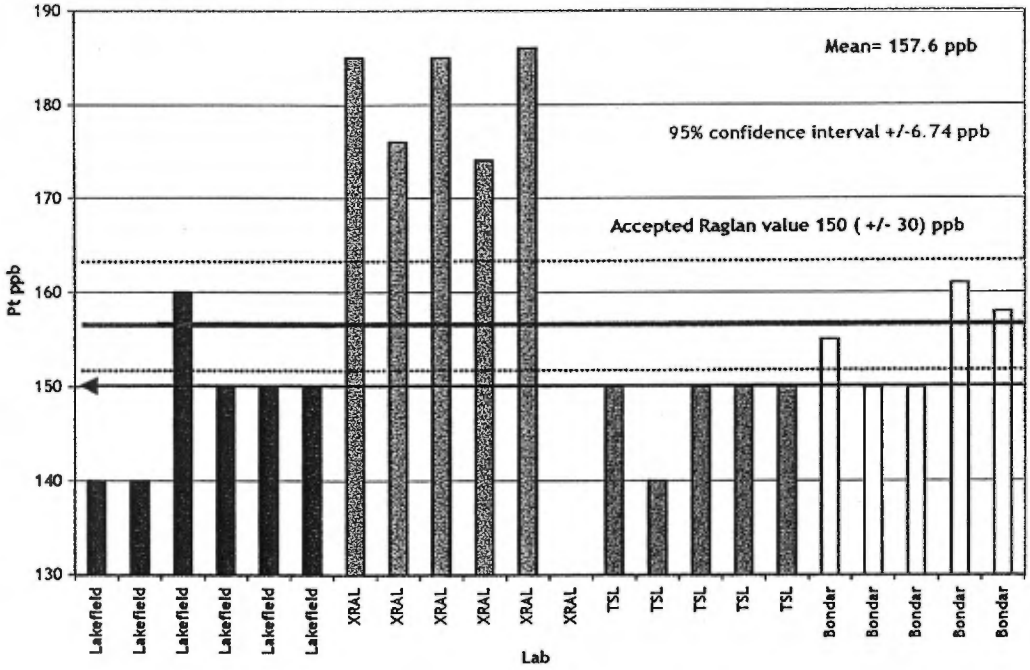
EXS-3A


Accepted Raglan value 250 (+/- 30) ppm
Mean= 220.9 ppm
95% confidence interval +/-7.10 ppm
Co ppm
260
255
250
245
240
235
230
225
220
215
210
205
200
195
190
185
180
Lakefield
XRAL
TSL
Bondar
Lab

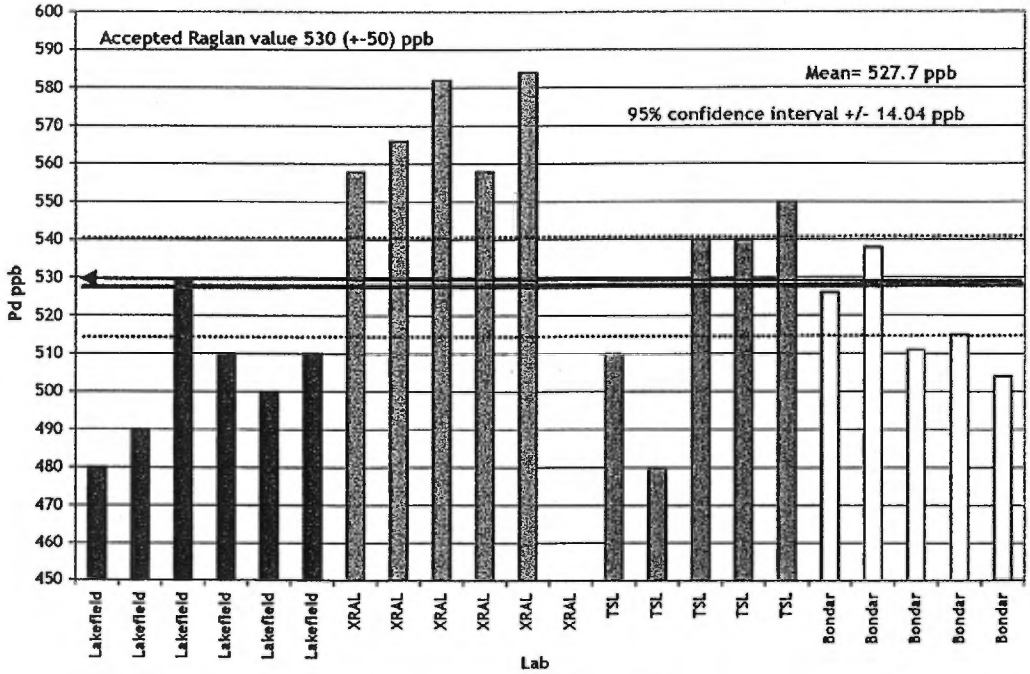
EXS-3A


Accepted Raglan value 1.91% (+/- 0.15)
Mean= 1.95%
95% confidence interval +/- 0.03%
S %
2.2
2.1
2
1.9
1.8
1.7
1.6
Lakefield
XRAL
TSL
Bondar
Lab

EXS-3A


Mean= 157.6 ppb
95% confidence interval +/-6.74 ppb
Accepted Raglan value 150 (+/- 30) ppb
Pt ppb
190
180
170
160
150
140
130
Lakefield
XRAL
TSL
Bondar
Lab

EXS-3A


Accepted Raglan value 530 (+-50) ppb
Mean= 527.7 ppb
95% confidence interval +/- 14.04 ppb
Pd ppb
600
590
580
570
560
550
540
530
520
510
500
490
480
470
460
450
Lakefield
XRAL
TSL
Bondar
Lab

APPENDIX 3

2001 AND 2002 SAMPLE INTERVALS AND ANALYSES

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID 151-01

Drill Core Samples		Location UTM NAD 27 Zone 19		Direction / Length		Drill Hole Information	
Laboratory	ALS Chimitec , Val d'Or	Easting	614,859.00	Azimuth	231 °	Drilled	30-Apr-01 - 30-Apr-01
Date Rec'd	02-May-01, 23-May-01	Northing	5,722,490.00	Inclination	-71 °	Operator	Falconbridge Ltd.
File No.	C01-60933.0, C01-61055.0	Elevation	920.00	Length	200 m	Logged By	Francois Thibert

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
4.00	17.50	13.50	Not Sampled										Not Sampled
17.50	19.00	1.50	HPE-00090	0.08	0.06	0.01	0.015	3	<5	<1	3	0.2	1/2 Core Sawn
19.00	19.85	0.85	HPE-00091	1.31	0.73	0.52	0.057	107	16	21	70	9.8	1/2 Core Sawn
19.85	21.00	1.15	HPE-00092	2.11	1.65	0.34	0.121	41	5	26	10	21.6	1/2 Core Sawn
21.00	22.30	1.30	HPE-00093	2.25	1.97	0.13	0.147	68	5	53	10	24.3	1/2 Core Sawn
22.30	22.55	0.25	HPE-00094	0.20	0.14	0.04	0.016	2	<5	2	<1	1.6	1/2 Core Sawn
22.55	22.75	0.20	HPE-00095	2.11	1.91	0.06	0.139	90	5	63	22	24.7	1/2 Core Sawn
22.75	23.90	1.15	HPE-00096	0.67	0.36	0.28	0.030	15	<5	5	10	5.3	1/2 Core Sawn
23.90	24.45	0.55	HPE-00097	0.85	0.65	0.14	0.053	12	<5	6	6	8.5	1/2 Core Sawn
24.45	24.80	0.35	HPE-00098	1.05	0.57	0.43	0.047	73	12	13	48	7.3	1/2 Core Sawn
24.80	26.30	1.50	HPE-00099	0.16	0.10	0.05	0.016	4	<5	1	3	0.4	1/2 Core Sawn
Standard	EXS-1A	-	HPE-00100	0.34	0.26	0.08	0.010	314	79	195	40	0.8	Quality Control
26.30	27.50	1.20	HPE-00101	0.18	0.15	0.02	0.021	3	<5	2	1	1.5	1/2 Core Sawn
27.50	28.75	1.25	HPE-00102	0.12	0.08	0.03	0.012	7	5	<1	2	0.6	1/2 Core Sawn
28.75	28.90	0.15	HPE-00103	1.81	1.58	0.11	0.122	43	<5	40	3	22.5	1/2 Core Sawn
28.90	30.40	1.50	HPE-00104	0.08	0.06	0.01	0.016	1	<5	<1	1	0.2	1/2 Core Sawn
30.40	93.20	62.80	Not Sampled										Not Sampled
93.20	94.60	1.40	HPE-00274	0.10	0.07	0.02	0.015	2	<5	1	1	0.3	1/2 Core Sawn
94.60	95.40	0.80	HPE-00275	1.06	0.71	0.29	0.060	90	<5	77	13	9.7	1/2 Core Sawn
95.40	96.80	1.40	HPE-00276	3.22	2.30	0.73	0.190	389	<5	187	202	34.1	1/2 Core Sawn
96.80	97.90	1.10	HPE-00277	4.38	2.50	1.67	0.213	87	<5	62	25	36.0	1/2 Core Sawn
97.90	99.20	1.30	HPE-00278	0.86	0.67	0.13	0.055	22	<5	14	8	7.8	1/2 Core Sawn
99.20	100.40	1.20	HPE-00279	1.09	0.92	0.10	0.071	12	<5	8	4	11.8	1/2 Core Sawn
Standard	EXS-3A	-	HPE-00280	1.07	0.84	0.20	0.027	727	163	528	36	2.0	Quality Control
100.40	101.20	0.80	HPE-00281	0.07	0.01	0.05	0.002	4	<5	1	3	0.2	1/2 Core Sawn
101.20	102.50	1.30	HPE-00282	0.33	0.24	0.07	0.027	16	<5	7	9	3.1	1/2 Core Sawn
102.50	103.70	1.20	HPE-00283	0.08	0.05	0.01	0.014	2	<5	<1	2	0.3	1/2 Core Sawn
103.70	200.00	96.30	Not Sampled										Not Sampled

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 151-02

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	07-May-01, 11-May-01
File No.	C01-60962.0, C01-60987.0

Location UTM NAD 27 Zone 19

Easting	614,848.00
Northing	5,722,606.00
Elevation	915.00

Direction / Length

Azimuth	231 °
Inclination	-70 °
Length	164 m

Drill Hole Information

Drilled	01-May-01 - 04-May-01
Operator	Falconbridge Ltd.
Logged By	Francois Thibert

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
10.00	18.90	8.90	Not Sampled										Not Sampled
18.90	20.40	1.50	HPE-00105	0.00	0.00	0.001	<0.0003	0	<5	<1	<1	0.04	1/2 Core Sawn
20.40	20.90	0.50	HPE-00106	0.07	0.05	0.01	0.010	4	<5	2	2	0.5	1/2 Core Sawn
20.90	21.20	0.30	HPE-00107	1.72	1.14	0.50	0.075	26	5	13	8	15.7	1/2 Core Sawn
21.20	22.55	1.35	HPE-00108	0.03	0.02	0.004	0.006	0	<5	<1	<1	0.1	1/2 Core Sawn
22.55	23.70	1.15	HPE-00109	0.09	0.07	0.01	0.015	0	<5	<1	<1	0.2	1/2 Core Sawn
23.70	24.55	0.85	HPE-00110	0.89	0.59	0.26	0.040	54	8	16	30	9.2	1/2 Core Sawn
24.55	26.00	1.45	HPE-00111	0.01	0.00	0.003	<0.0003	0	<5	<1	<1	0.1	1/2 Core Sawn
26.00	50.50	24.50	Not Sampled										Not Sampled
50.50	52.00	1.50	HPE-00112	0.08	0.06	0.01	0.014	5	5	<1	<1	0.3	1/2 Core Sawn
52.00	52.40	0.40	HPE-00113	0.95	0.55	0.35	0.045	54	<5	11	43	8.3	1/2 Core Sawn
52.40	52.95	0.55	HPE-00114	0.32	0.28	0.02	0.025	7	<5	3	4	3.2	1/2 Core Sawn
52.95	53.45	0.50	HPE-00115	1.62	1.45	0.06	0.110	16	<5	14	2	22.6	1/2 Core Sawn
53.45	54.95	1.50	HPE-00116	0.07	0.05	0.005	0.010	1	<5	<1	1	0.2	1/2 Core Sawn
54.95	64.05	9.10	Not Sampled										Not Sampled
64.05	65.55	1.50	HPE-00117	0.11	0.09	0.01	0.014	1	<5	<1	1	0.5	1/2 Core Sawn
65.55	67.00	1.45	HPE-00118	3.11	1.94	1.02	0.146	212	152	40	20	26.1	1/2 Core Sawn
67.00	68.40	1.40	HPE-00119	3.35	2.10	1.08	0.167	55	9	33	13	29.8	1/2 Core Sawn
Standard	EXS-3A	-	HPE-00120	1.04	0.81	0.20	0.024	744	162	545	37	2.1	Quality Control
68.40	69.00	0.60	HPE-00121	0.61	0.18	0.41	0.019	7	<5	5	2	2.5	1/2 Core Sawn
69.00	69.50	0.50	HPE-00122	2.66	2.10	0.39	0.174	57	<5	46	11	29.6	1/2 Core Sawn
69.50	69.80	0.30	HPE-00123	1.04	0.63	0.36	0.052	14	7	6	1	8.6	1/2 Core Sawn
69.80	71.00	1.20	HPE-00124	2.46	1.89	0.43	0.137	36	<5	27	9	25.7	1/2 Core Sawn
71.00	71.85	0.85	HPE-00125	0.20	0.13	0.06	0.018	2	<5	<1	2	0.9	1/2 Core Sawn
71.85	73.25	1.40	HPE-00126	1.99	1.74	0.12	0.128	38	<5	22	16	24.1	1/2 Core Sawn
73.25	74.35	1.10	HPE-00127	1.96	0.57	1.35	0.047	515	<5	431	84	9.1	1/2 Core Sawn
74.35	74.95	0.60	HPE-00128	2.35	1.47	0.77	0.109	70	<5	22	48	21.3	1/2 Core Sawn
74.95	75.75	0.80	HPE-00129	0.90	0.58	0.27	0.049	5	<5	5	<1	9.3	1/2 Core Sawn
75.75	77.00	1.25	HPE-00130	0.26	0.15	0.09	0.021	1	<5	1	<1	1.6	1/2 Core Sawn
77.00	78.20	1.20	HPE-00131	0.16	0.12	0.02	0.017	1	<5	1	<1	1.4	1/2 Core Sawn
78.20	78.65	0.45	HPE-00132	1.34	0.71	0.57	0.056	34	6	12	16	10.3	1/2 Core Sawn
78.65	79.50	0.85	HPE-00133	2.93	2.20	0.56	0.167	113	6	91	16	28.8	1/2 Core Sawn
79.50	80.30	0.80	HPE-00134	1.08	0.52	0.52	0.041	18	<5	12	6	7.5	1/2 Core Sawn
80.30	80.75	0.45	HPE-00135	0.12	0.06	0.06	0.012	22	7	2	13	0.5	1/2 Core Sawn
80.75	81.35	0.60	HPE-00136	0.54	0.30	0.22	0.025	24	<5	10	14	3.9	1/2 Core Sawn
81.35	81.50	0.15	HPE-00137	0.93	0.37	0.52	0.031	12	<5	6	6	4.2	1/2 Core Sawn
81.50	82.00	0.50	HPE-00138	2.83	2.40	0.24	0.192	54	<5	50	4	33.6	1/2 Core Sawn

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 151-02

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	07-May-01, 11-May-01
File No.	C01-60962.0, C01-60987.0

Location UTM NAD 27 Zone 19

Easting	614,848.00
Northing	5,722,606.00
Elevation	915.00

Direction / Length

Azimuth	231 °
Inclination	-70 °
Length	164 m

Drill Hole Information

Drilled	01-May-01 - 04-May-01
Operator	Falconbridge Ltd.
Logged By	Francois Thibert

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
82.00	82.35	0.35	HPE-00139	0.20	0.14	0.05	0.014	1	<5	1	<1	1.7	1/2 Core Sawn
Standard	EXS-1A	-	HPE-00140	0.33	0.25	0.08	0.011	293	75	206	12	0.7	Quality Control
82.35	83.85	1.50	HPE-00141	0.06	0.04	0.01	0.009	0	<5	<1	<1	0.2	1/2 Core Sawn
83.85	85.00	1.15	HPE-00142	0.09	0.07	0.01	0.012	10	<5	7	3	0.4	1/2 Core Sawn
85.00	86.30	1.30	HPE-00143	0.08	0.05	0.01	0.009	1	<5	1	<1	0.4	1/2 Core Sawn
86.30	87.45	1.15	HPE-00144	0.08	0.05	0.01	0.010	0	<5	<1	<1	0.4	1/2 Core Sawn
87.45	88.45	1.00	HPE-00145	0.23	0.15	0.06	0.017	7	<5	4	3	1.8	1/2 Core Sawn
88.45	89.40	0.95	HPE-00146	0.27	0.15	0.11	0.016	4	<5	4	<1	1.6	1/2 Core Sawn
89.40	90.90	1.50	HPE-00147	0.11	0.07	0.02	0.011	5	<5	2	3	0.7	1/2 Core Sawn
90.90	127.70	36.80	Not Sampled										Not Sampled
127.70	128.25	0.55	HPE-00148	0.26	0.16	0.09	0.015	19	7	6	6	1.6	1/2 Core Sawn
128.25	136.20	7.95	Not Sampled										Not Sampled
136.20	137.70	1.50	HPE-00149	0.06	0.02	0.03	0.005	1	<5	<1	1	0.1	1/2 Core Sawn
137.70	138.00	0.30	HPE-00150	3.87	0.34	3.50	0.032	84	<5	8	76	7.6	1/2 Core Sawn
138.00	138.70	0.70	HPE-00151	0.32	0.04	0.27	0.008	1	<5	<1	1	0.6	1/2 Core Sawn
138.70	142.55	3.85	Not Sampled										Not Sampled
142.55	143.95	1.40	HPE-00152	0.08	0.06	0.02	0.012	2	<5	<1	2	0.4	1/2 Core Sawn
143.95	144.25	0.30	HPE-00153	1.37	0.94	0.36	0.070	20	<5	15	5	10.6	1/2 Core Sawn
144.25	144.90	0.65	HPE-00154	0.20	0.09	0.09	0.008	13	6	3	4	0.8	1/2 Core Sawn
144.90	146.40	1.50	HPE-00155	0.49	0.35	0.11	0.027	13	<5	10	3	4.3	1/2 Core Sawn
146.40	164.00	17.60	Not Sampled										Not Sampled

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 151-03

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	02-May-01, 07-May-01
File No.	C01-60933.0, C01-60962.0

Location UTM NAD 27 Zone 19

Easting	613,245.00
Northing	5,721,734.00
Elevation	915.00

Direction / Length

Azimuth	231 °
Inclination	-51 °
Length	80 m

Drill Hole Information

Drilled	03-May-01 - 03-May-01
Operator	Falconbridge Ltd.
Logged By	Francois Thibert

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
4.00	13.40	9.40	Not Sampled										Not Sampled
13.40	14.90	1.50	HPE-00035	0.01	0.00	0.01	0.001	1	<5	<1	1	0.9	1/2 Core Sawn
14.90	16.20	1.30	HPE-00036	0.02	0.01	0.01	0.006	0	<5	<1	<1	0.5	1/2 Core Sawn
16.20	16.80	0.60	HPE-00037	0.12	0.07	0.03	0.018	9	<5	5	4	2.4	1/2 Core Sawn
16.80	17.25	0.45	HPE-00038	0.03	0.01	0.01	0.007	0	<5	<1	<1	0.4	1/2 Core Sawn
17.25	18.15	0.90	HPE-00039	0.35	0.19	0.12	0.046	8	<5	5	3	6.9	1/2 Core Sawn
Standard	EXS-3A	-	HPE-00040	1.08	0.84	0.22	0.025	824	172	569	83	2.0	Quality Control
18.15	19.15	1.00	HPE-00041	0.08	0.05	0.02	0.014	5	<5	2	3	1.8	1/2 Core Sawn
19.15	19.45	0.30	HPE-00042	0.28	0.17	0.06	0.041	9	<5	5	4	6.3	1/2 Core Sawn
19.45	20.40	0.95	HPE-00043	0.09	0.05	0.02	0.015	2	<5	1	1	1.8	1/2 Core Sawn
20.40	21.35	0.95	HPE-00044	0.16	0.10	0.04	0.025	3	<5	2	1	3.5	1/2 Core Sawn
21.35	21.60	0.25	HPE-00045	0.45	0.29	0.09	0.066	25	<5	9	16	10.5	1/2 Core Sawn
21.60	22.60	1.00	HPE-00046	0.20	0.11	0.06	0.027	10	<5	4	6	4.2	1/2 Core Sawn
22.60	23.95	1.35	HPE-00047	0.11	0.06	0.03	0.018	3	<5	2	1	2.4	1/2 Core Sawn
23.95	25.20	1.25	HPE-00048	0.45	0.26	0.13	0.061	11	<5	6	5	9.7	1/2 Core Sawn
25.20	25.75	0.55	HPE-00049	0.10	0.06	0.03	0.016	1	<5	1	<1	2.2	1/2 Core Sawn
25.75	26.45	0.70	HPE-00050	0.05	0.03	0.02	0.010	2	<5	1	1	0.9	1/2 Core Sawn
26.45	27.85	1.40	HPE-00051	0.44	0.26	0.12	0.058	5	<5	4	1	9.7	1/2 Core Sawn
27.85	28.65	0.80	HPE-00052	0.29	0.16	0.09	0.041	8	<5	5	3	5.4	1/2 Core Sawn
28.65	29.60	0.95	HPE-00053	0.14	0.08	0.04	0.021	7	<5	4	3	2.9	1/2 Core Sawn
29.60	30.15	0.55	HPE-00054	0.48	0.26	0.15	0.061	26	16	6	4	10.4	1/2 Core Sawn
30.15	30.35	0.20	HPE-00055	0.78	0.54	0.11	0.120	45	16	15	14	20.8	1/2 Core Sawn
30.35	30.90	0.55	HPE-00056	0.47	0.25	0.16	0.056	23	<5	5	18	9.6	1/2 Core Sawn
30.90	31.35	0.45	HPE-00057	1.00	0.73	0.11	0.156	28	7	14	7	27.7	1/2 Core Sawn
31.35	32.50	1.15	HPE-00058	0.73	0.41	0.22	0.093	34	<5	17	17	15.8	1/2 Core Sawn
32.50	33.45	0.95	HPE-00059	0.48	0.24	0.18	0.057	12	<5	8	4	9.3	1/2 Core Sawn
Standard	EXS-3A	-	HPE-00060	1.05	0.83	0.20	0.024	749	171	548	30	2.1	Quality Control
33.45	34.80	1.35	HPE-00061	0.37	0.22	0.11	0.047	19	11	4	4	8.4	1/2 Core Sawn
34.80	36.30	1.50	HPE-00062	0.20	0.11	0.06	0.027	7	<5	3	4	4.2	1/2 Core Sawn
36.30	37.80	1.50	HPE-00063	0.21	0.12	0.07	0.031	5	<5	3	2	4.3	1/2 Core Sawn
37.80	38.20	0.40	HPE-00064	0.34	0.21	0.08	0.049	21	<5	10	11	7.6	1/2 Core Sawn
38.20	38.60	0.40	HPE-00065	0.81	0.42	0.30	0.098	137	<5	114	23	15.9	1/2 Core Sawn
38.60	39.95	1.35	HPE-00066	0.42	0.18	0.20	0.040	26	<5	16	10	6.6	1/2 Core Sawn
39.95	40.35	0.40	HPE-00067	0.37	0.21	0.11	0.048	19	<5	15	4	7.3	1/2 Core Sawn
40.35	41.40	1.05	HPE-00068	0.23	0.13	0.07	0.032	5	<5	4	1	4.5	1/2 Core Sawn
41.40	42.70	1.30	HPE-00069	0.58	0.33	0.17	0.077	24	<5	14	10	12.8	1/2 Core Sawn
42.70	44.10	1.40	HPE-00070	0.76	0.44	0.22	0.095	12	8	4	<1	18.0	1/2 Core Sawn

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID 151-03

Drill Core Samples		Location UTM NAD 27 Zone 19		Direction / Length		Drill Hole Information	
Laboratory	ALS Chimitec , Val d'Or	Easting	613,245.00	Azimuth	231 °	Drilled	03-May-01 - 03-May-01
Date Rec'd	02-May-01, 07-May-01	Northing	5,721,734.00	Inclination	-51 °	Operator	Falconbridge Ltd.
File No.	C01-60933.0, C01-60962.0	Elevation	915.00	Length	80 m	Logged By	Francois Thibert

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
44.10	44.40	0.30	HPE-00071	0.81	0.62	0.05	0.136	10	<5	4	6	23.9	1/2 Core Sawn
44.40	44.90	0.50	HPE-00072	0.69	0.42	0.17	0.096	100	<5	44	56	17.7	1/2 Core Sawn
44.90	46.40	1.50	HPE-00073	0.14	0.07	0.05	0.018	3	<5	3	<1	2.8	1/2 Core Sawn
46.40	47.90	1.50	HPE-00074	0.11	0.06	0.03	0.017	2	<5	2	<1	2.3	1/2 Core Sawn
47.90	49.40	1.50	HPE-00075	0.16	0.08	0.06	0.021	6	<5	4	2	3.2	1/2 Core Sawn
49.40	50.90	1.50	HPE-00076	0.13	0.08	0.03	0.020	2	<5	2	<1	2.8	1/2 Core Sawn
50.90	51.90	1.00	HPE-00077	0.28	0.16	0.08	0.035	12	<5	8	4	6.3	1/2 Core Sawn
51.90	52.80	0.90	HPE-00078	0.17	0.10	0.05	0.023	6	<5	2	4	3.5	1/2 Core Sawn
52.80	53.60	0.80	HPE-00079	0.15	0.09	0.05	0.020	5	<5	3	2	3.3	1/2 Core Sawn
Standard		-	HPE-00080										Quality Control
53.60	54.40	0.80	HPE-00081	0.03	0.01	0.01	0.007	0	<5	<1	<1	0.5	1/2 Core Sawn
54.40	55.30	0.90	HPE-00082	0.01	0.01	0.003	0.003	0	<5	<1	<1	0.2	1/2 Core Sawn
55.30	56.80	1.50	HPE-00083	0.01	0.00	0.01	0.002	0	<5	<1	<1	0.9	1/2 Core Sawn
56.80	72.00	15.20	Not Sampled										Not Sampled
72.00	73.50	1.50	HPE-00084	0.07	0.04	0.02	0.010	17	<5	13	4	1.1	1/2 Core Sawn
73.50	74.05	0.55	HPE-00085	1.23	0.18	1.01	0.037	7	<5	7	<1	7.6	1/2 Core Sawn
74.05	74.70	0.65	HPE-00086	0.06	0.03	0.02	0.010	0	<5	<1	<1	1.0	1/2 Core Sawn
74.70	76.20	1.50	HPE-00087	0.07	0.04	0.03	0.005	5	<5	5	<1	1.4	1/2 Core Sawn
76.20	78.30	2.10	Not Sampled										Not Sampled
78.30	79.65	1.35	HPE-00088	0.01	0.00	0.003	0.003	0	<5	<1	<1	0.2	1/2 Core Sawn
79.65	80.00	0.35	HPE-00089	0.19	0.11	0.06	0.025	15	11	4	<1	3.6	1/2 Core Sawn

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 151-04

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	07-May-01, 23-May-01
File No.	C01-60960.0, C01-61055.0

Location UTM NAD 27 Zone 19

Easting	614,936.00
Northing	5,722,548.00
Elevation	923.00

Direction / Length

Azimuth	231 °
Inclination	-67 °
Length	287 m

Drill Hole Information

Drilled	08-May-01 - 08-May-01
Operator	Falconbridge Ltd.
Logged By	Yves Boulianne

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
2.80	66.75	63.95	Not Sampled										Not Sampled
66.75	68.25	1.50	HPE-00156	0.13	0.04	0.08	0.007	4	<5	2	2	0.7	1/2 Core Sawn
68.25	68.35	0.10	HPE-00157	0.50	0.38	0.08	0.033	13	<5	10	3	4.6	1/2 Core Sawn
68.35	68.50	0.15	HPE-00158	0.08	0.05	0.03	0.009	9	<5	5	4	0.5	1/2 Core Sawn
68.50	70.00	1.50	HPE-00159	0.07	0.04	0.02	0.008	1	<5	1	<1	0.5	1/2 Core Sawn
Standard	EXS-1A	-	HPE-00160	0.33	0.25	0.08	0.010	301	80	203	18	0.7	Quality Control
84.70	86.20	1.50	HPE-00161	0.06	0.03	0.02	0.008	1	<5	1	<1	0.4	1/2 Core Sawn
86.20	86.70	0.50	HPE-00162	2.60	1.92	0.54	0.143	25	<5	25	<1	26.8	1/2 Core Sawn
86.70	87.70	1.00	HPE-00163	0.29	0.11	0.17	0.013	27	14	5	8	1.6	1/2 Core Sawn
87.70	89.05	1.35	HPE-00164	0.06	0.02	0.04	0.006	2	<5	<1	2	0.2	1/2 Core Sawn
89.05	122.70	33.65	Not Sampled										Not Sampled
122.70	123.30	0.60	HPE-00168	0.09	0.05	0.03	0.011	6	<5	3	3	1.2	1/2 Core Sawn
123.30	145.80	22.50	Not Sampled										Not Sampled
145.80	147.20	1.40	HPE-00169	0.03	0.02	0.01	0.006	2	<5	1	1	0.3	1/2 Core Sawn
147.20	148.60	1.40	HPE-00170	0.07	0.05	0.02	0.007	13	<5	4	9	0.6	1/2 Core Sawn
148.60	149.70	1.10	HPE-00171	0.28	0.18	0.08	0.016	17	<5	11	6	2.2	1/2 Core Sawn
149.70	150.75	1.05	HPE-00172	0.33	0.23	0.09	0.018	20	5	11	4	2.4	1/2 Core Sawn
150.75	152.20	1.45	HPE-00173	0.47	0.25	0.21	0.021	10	<5	6	4	3.2	1/2 Core Sawn
152.20	153.90	1.70	HPE-00174	1.31	0.77	0.47	0.068	41	<5	18	23	10.5	1/2 Core Sawn
153.90	154.70	0.80	HPE-00175	0.65	0.49	0.12	0.043	22	<5	17	5	6.4	1/2 Core Sawn
154.70	155.10	0.40	HPE-00176	0.71	0.58	0.08	0.045	29	<5	24	5	7.4	1/2 Core Sawn
155.10	155.90	0.80	HPE-00177	0.63	0.36	0.24	0.028	18	<5	9	9	4.8	1/2 Core Sawn
155.90	156.20	0.30	HPE-00178	0.86	0.60	0.22	0.041	20	<5	12	8	7.7	1/2 Core Sawn
156.20	157.50	1.30	HPE-00179	0.45	0.28	0.14	0.023	37	23	9	5	3.4	1/2 Core Sawn
Standard	EXS-1A	-	HPE-00180	0.35	0.26	0.08	0.010	279	73	196	10	0.7	Quality Control
157.50	159.00	1.50	HPE-00181	0.51	0.26	0.23	0.022	22	9	7	6	3.0	1/2 Core Sawn
159.00	160.50	1.50	HPE-00182	0.24	0.16	0.07	0.014	8	<5	5	3	1.9	1/2 Core Sawn
160.50	162.00	1.50	HPE-00183	0.38	0.26	0.10	0.021	7	<5	5	2	3.1	1/2 Core Sawn
162.00	163.50	1.50	HPE-00184	0.49	0.33	0.13	0.027	10	<5	7	3	4.1	1/2 Core Sawn
163.50	165.00	1.50	HPE-00185	0.62	0.40	0.19	0.032	13	<5	9	4	4.9	1/2 Core Sawn
165.00	166.50	1.50	HPE-00186	0.57	0.42	0.12	0.034	21	5	10	6	4.5	1/2 Core Sawn
166.50	168.00	1.50	HPE-00187	0.95	0.47	0.45	0.037	18	<5	12	6	6.2	1/2 Core Sawn
168.00	169.50	1.50	HPE-00188	0.39	0.29	0.08	0.024	10	<5	7	3	3.2	1/2 Core Sawn
169.50	171.00	1.50	HPE-00189	0.61	0.31	0.27	0.028	11	<5	7	4	3.8	1/2 Core Sawn
171.00	172.50	1.50	HPE-00190	0.53	0.38	0.12	0.031	11	<5	8	3	4.5	1/2 Core Sawn
172.50	174.00	1.50	HPE-00191	0.55	0.39	0.13	0.031	12	<5	10	2	4.7	1/2 Core Sawn
174.00	175.00	1.00	HPE-00192	0.55	0.38	0.14	0.032	14	<5	10	4	4.8	1/2 Core Sawn

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 151-04

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	07-May-01, 23-May-01
File No.	C01-60960.0, C01-61055.0

Location UTM NAD 27 Zone 19

Easting	614,936.00
Northing	5,722,548.00
Elevation	923.00

Direction / Length

Azimuth	231 °
Inclination	-67 °
Length	287 m

Drill Hole Information

Drilled	08-May-01 - 08-May-01
Operator	Falconbridge Ltd.
Logged By	Yves Boulianne

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
175.00	175.80	0.80	HPE-00193	0.56	0.36	0.17	0.029	17	<5	9	8	4.4	1/2 Core Sawn
175.80	176.20	0.40	HPE-00194	1.08	0.58	0.46	0.040	101	<5	27	74	7.8	1/2 Core Sawn
176.20	177.70	1.50	HPE-00195	0.93	0.61	0.28	0.038	40	8	20	12	7.8	1/2 Core Sawn
177.70	179.20	1.50	HPE-00196	0.86	0.59	0.23	0.041	25	<5	15	10	7.7	1/2 Core Sawn
179.20	180.70	1.50	HPE-00197	1.05	0.56	0.45	0.041	18	<5	11	7	7.4	1/2 Core Sawn
180.70	181.60	0.90	HPE-00198	0.96	0.51	0.41	0.040	13	<5	9	4	6.7	1/2 Core Sawn
181.60	182.60	1.00	HPE-00199	1.60	1.21	0.31	0.077	67	<5	46	21	15.5	1/2 Core Sawn
Standard	EXS-3A	-	HPE-00200	1.13	0.89	0.22	0.027	810	184	561	65	1.9	Quality Control
182.60	183.75	1.15	HPE-00201	2.23	1.11	1.04	0.075	53	<5	26	27	15.1	1/2 Core Sawn
183.75	185.25	1.50	HPE-00202	0.68	0.50	0.14	0.038	19	<5	16	3	6.7	1/2 Core Sawn
185.25	186.75	1.50	HPE-00203	0.66	0.43	0.20	0.032	12	<5	9	3	5.3	1/2 Core Sawn
186.75	188.30	1.55	HPE-00204	0.75	0.51	0.20	0.037	17	<5	13	4	6.7	1/2 Core Sawn
188.30	189.80	1.50	HPE-00205	1.22	0.88	0.28	0.066	52	10	25	17	10.7	1/2 Core Sawn
189.80	191.30	1.50	HPE-00206	0.83	0.52	0.28	0.040	32	11	14	7	6.5	1/2 Core Sawn
191.30	191.80	0.50	A-47190	1.31	0.94	0.29	0.070	42	<5	31	11	11.7	1/2 Core Sawn
191.80	192.60	0.80	HPE-00207	1.31	0.80	0.45	0.056	16	<5	9	7	9.6	1/2 Core Sawn
192.60	194.10	1.50	HPE-00208	0.69	0.48	0.16	0.042	16	<5	13	3	6.2	1/2 Core Sawn
194.10	195.60	1.50	HPE-00209	0.59	0.37	0.19	0.031	10	<5	7	3	4.1	1/2 Core Sawn
195.60	197.10	1.50	HPE-00210	0.42	0.26	0.14	0.022	7	<5	5	2	2.9	1/2 Core Sawn
197.10	198.60	1.50	HPE-00211	0.53	0.36	0.14	0.030	9	<5	8	1	4.2	1/2 Core Sawn
198.60	199.60	1.00	HPE-00212	0.42	0.28	0.11	0.025	7	<5	7	<1	3.4	1/2 Core Sawn
199.60	200.70	1.10	HPE-00213	0.41	0.27	0.11	0.024	13	<5	8	5	3.4	1/2 Core Sawn
200.70	201.35	0.65	HPE-00214	1.10	0.68	0.36	0.053	384	331	31	22	9.2	1/2 Core Sawn
201.35	202.40	1.05	HPE-00215	1.15	0.36	0.76	0.029	22	<5	12	10	4.6	1/2 Core Sawn
202.40	203.00	0.60	HPE-00216	1.35	0.67	0.63	0.045	39	<5	23	16	8.8	1/2 Core Sawn
203.00	204.40	1.40	HPE-00289	0.73	0.54	0.15	0.038	23	<5	15	8	6.5	1/2 Core Sawn
204.40	206.00	1.60	HPE-00290	0.53	0.31	0.19	0.029	41	19	12	10	3.8	1/2 Core Sawn
206.00	207.30	1.30	HPE-00291	0.30	0.17	0.11	0.018	9	<5	5	4	2.0	1/2 Core Sawn
207.30	209.00	1.70	HPE-00292	0.30	0.19	0.10	0.017	9	<5	5	4	2.3	1/2 Core Sawn
209.00	210.50	1.50	HPE-00293	0.01	0.00	0.003	0.003	1	<5	<1	1	0.1	1/2 Core Sawn
210.50	287.00	76.50	Not Sampled										Not Sampled

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 151-05

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	11-May-01, 11-Apr-02
File No.	C01-60987.0, C02-61097.0

Location UTM NAD 27 Zone 19

Easting	614,926.00
Northing	5,722,672.00
Elevation	915.00

Direction / Length

Azimuth	231 °
Inclination	-70 °
Length	473 m

Drill Hole Information

Drilled	05-May-01 - 07-May-01
Operator	Falconbridge Ltd.
Logged By	Francois Thibert

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
4.00	26.00	22.00	Not Sampled										Not Sampled
26.00	26.90	0.90	HPE-00165	0.02	0.01	0.003	0.006	1	<5	<1	1	0.9	1/2 Core Sawn
26.90	48.50	21.60	Not Sampled										Not Sampled
48.50	48.80	0.30	HPE-00166	0.37	0.26	0.10	0.020	109	<5	11	98	3.0	1/2 Core Sawn
48.80	51.00	2.20	Not Sampled										Not Sampled
51.00	51.40	0.40	HPE-00167	0.52	0.40	0.09	0.032	11	<5	7	4	5.0	1/2 Core Sawn
51.40	180.00	128.60	Not Sampled										Not Sampled
180.00	265.65	85.65	Not Sampled										Not Sampled
265.65	266.40	0.75	HPE-00447	0.37	0.25	0.10	0.023						1/2 Core Sawn
266.40	267.10	0.70	HPE-00448	0.31	0.21	0.08	0.020						1/2 Core Sawn
267.10	268.75	1.65	HPE-00449	0.33	0.22	0.09	0.018						1/2 Core Sawn
268.75	270.65	1.90	HPE-00450	0.41	0.27	0.11	0.026						1/2 Core Sawn
270.65	272.20	1.55	HPE-00451	0.46	0.30	0.13	0.029						1/2 Core Sawn
272.20	273.70	1.50	HPE-00452	0.42	0.27	0.12	0.025						1/2 Core Sawn
273.70	275.00	1.30	HPE-00453	0.42	0.27	0.12	0.027						1/2 Core Sawn
275.00	278.55	3.55	Not Sampled										Not Sampled
278.55	280.80	2.25	HPE-00454	0.35	0.23	0.10	0.024						1/2 Core Sawn
280.80	281.60	0.80	HPE-00455	0.31	0.21	0.08	0.018						1/2 Core Sawn
281.60	282.45	0.85	HPE-00456	0.29	0.19	0.08	0.015						1/2 Core Sawn
282.45	283.90	1.45	HPE-00457	0.36	0.24	0.10	0.018						1/2 Core Sawn
283.90	285.30	1.40	HPE-00458	0.40	0.27	0.11	0.021						1/2 Core Sawn
285.30	286.85	1.55	HPE-00459	0.43	0.28	0.12	0.026						1/2 Core Sawn
Standard	EXS-1A	-	HPE-00460	0.34	0.25	0.08	0.011						Quality Control
286.85	287.65	0.80	HPE-00461	0.46	0.32	0.11	0.026						1/2 Core Sawn
287.65	323.35	35.70	Not Sampled										Not Sampled
323.35	324.80	1.45	HPE-00575	0.02	0.01	<0.01	0.012						1/2 Core Sawn
324.80	325.95	1.15	HPE-00576	0.27	0.19	0.07	0.014						1/2 Core Sawn
325.95	327.00	1.05	HPE-00577	0.21	0.15	0.05	0.014						1/2 Core Sawn
327.00	327.50	0.50	HPE-00578	0.31	0.21	0.08	0.019						1/2 Core Sawn
327.50	333.00	5.50	HPE-00579	0.26	0.19	0.06	0.013						1/2 Core Sawn
Standard	EXS-1A	-	HPE-00580	0.33	0.24	0.08	0.009						Quality Control
333.00	334.50	1.50	HPE-00581	0.38	0.25	0.11	0.020						1/2 Core Sawn
334.50	335.20	0.70	HPE-00582	0.45	0.22	0.22	0.012						1/2 Core Sawn
335.20	336.80	1.60	HPE-00583	0.19	0.11	0.06	0.017						1/2 Core Sawn
336.80	338.80	2.00	HPE-00584	0.10	0.05	0.03	0.018						1/2 Core Sawn
338.80	340.25	1.45	HPE-00585	0.12	0.08	0.03	0.008						1/2 Core Sawn
340.25	341.75	1.50	HPE-00586	0.28	0.19	0.08	0.007						1/2 Core Sawn

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID 151-05

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	11-May-01, 11-Apr-02
File No.	C01-60987.0, C02-61097.0

Location UTM NAD 27 Zone 19

Easting	614,926.00
Northing	5,722,672.00
Elevation	915.00

Direction / Length

Azimuth	231 °
Inclination	-70 °
Length	473 m

Drill Hole Information

Drilled	05-May-01 - 07-May-01
Operator	Falconbridge Ltd.
Logged By	Francois Thibert

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
341.75	343.00	1.25	HPE-00587	0.31	0.20	0.09	0.019						1/2 Core Sawn
343.00	344.50	1.50	HPE-00588	0.31	0.21	0.09	0.009						1/2 Core Sawn
344.50	346.00	1.50	HPE-00589	0.29	0.19	0.08	0.020						1/2 Core Sawn
346.00	347.60	1.60	HPE-00462	0.29	0.19	0.08	0.022						1/2 Core Sawn
347.60	348.40	0.80	HPE-00463	0.37	0.25	0.10	0.020						1/2 Core Sawn
348.40	349.80	1.40	HPE-00464	0.29	0.20	0.07	0.020						1/2 Core Sawn
349.80	367.50	17.70	Not Sampled										Not Sampled
367.50	369.10	1.60	HPE-00465	0.39	0.26	0.11	0.024						1/2 Core Sawn
369.10	370.10	1.00	HPE-00466	0.39	0.26	0.11	0.022						1/2 Core Sawn
370.10	370.75	0.65	HPE-00467	0.35	0.23	0.09	0.025						1/2 Core Sawn
370.75	371.75	1.00	HPE-00468	0.66	0.43	0.19	0.038						1/2 Core Sawn
371.75	386.90	15.15	Not Sampled										Not Sampled
386.90	388.45	1.55	HPE-00469	0.33	0.23	0.08	0.024						1/2 Core Sawn
388.45	390.40	1.95	HPE-00470	0.35	0.24	0.09	0.023						1/2 Core Sawn
390.40	391.20	0.80	HPE-00471	0.35	0.22	0.10	0.029						1/2 Core Sawn
391.20	392.60	1.40	HPE-00472	0.39	0.25	0.11	0.025						1/2 Core Sawn
392.60	393.25	0.65	HPE-00473	0.34	0.22	0.10	0.020						1/2 Core Sawn
393.25	394.90	1.65	HPE-00474	0.27	0.18	0.07	0.022						1/2 Core Sawn
394.90	400.40	5.50	Not Sampled										Not Sampled
400.40	402.10	1.70	HPE-00475	0.34	0.22	0.10	0.018						1/2 Core Sawn
402.10	403.90	1.80	HPE-00476	0.46	0.30	0.13	0.030						1/2 Core Sawn
403.90	405.50	1.60	HPE-00477	0.43	0.29	0.12	0.022						1/2 Core Sawn
405.50	406.15	0.65	HPE-00478	0.68	0.45	0.19	0.041						1/2 Core Sawn
406.15	407.50	1.35	HPE-00479	0.46	0.30	0.14	0.024						1/2 Core Sawn
Standard	EXS-1A	-	HPE-00480	0.34	0.25	0.08	0.010						Quality Control
407.50	409.60	2.10	HPE-00481	0.37	0.23	0.11	0.025						1/2 Core Sawn
409.60	411.70	2.10	HPE-00482	0.38	0.25	0.11	0.022						1/2 Core Sawn
411.70	413.70	2.00	HPE-00483	0.34	0.22	0.10	0.024						1/2 Core Sawn
413.70	414.40	0.70	HPE-00484	0.43	0.29	0.12	0.021						1/2 Core Sawn
414.40	416.50	2.10	HPE-00485	0.49	0.32	0.14	0.027						1/2 Core Sawn
416.50	417.55	1.05	HPE-00486	1.11	0.62	0.44	0.048						1/2 Core Sawn
417.55	419.35	1.80	HPE-00487	0.79	0.55	0.19	0.045						1/2 Core Sawn
419.35	420.20	0.85	HPE-00488	0.83	0.57	0.22	0.045						1/2 Core Sawn
420.20	421.85	1.65	HPE-00489	0.56	0.37	0.16	0.032						1/2 Core Sawn
421.85	423.10	1.25	HPE-00490	0.38	0.27	0.08	0.025						1/2 Core Sawn
423.10	424.90	1.80	HPE-00491	0.54	0.35	0.16	0.030						1/2 Core Sawn
424.90	426.25	1.35	HPE-00492	0.79	0.53	0.22	0.044						1/2 Core Sawn

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID 151-05

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	11-May-01, 11-Apr-02
File No.	C01-60987.0, C02-61097.0

Location UTM NAD 27 Zone 19

Easting	614,926.00
Northing	5,722,672.00
Elevation	915.00

Direction / Length

Azimuth	231 °
Inclination	-70 °
Length	473 m

Drill Hole Information

Drilled	05-May-01 - 07-May-01
Operator	Falconbridge Ltd.
Logged By	Francois Thibert

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
426.25	428.00	1.75	HPE-00493	0.37	0.24	0.11	0.023						1/2 Core Sawn
428.00	429.40	1.40	HPE-00494	0.65	0.43	0.18	0.038						1/2 Core Sawn
429.40	430.70	1.30	HPE-00495	0.80	0.51	0.24	0.045						1/2 Core Sawn
430.70	431.65	0.95	HPE-00496	0.63	0.41	0.18	0.035						1/2 Core Sawn
431.65	432.35	0.70	HPE-00497	1.04	0.61	0.37	0.058						1/2 Core Sawn
432.35	433.80	1.45	HPE-00498	0.53	0.35	0.15	0.030						1/2 Core Sawn
433.80	434.55	0.75	HPE-00499	0.68	0.39	0.26	0.031						1/2 Core Sawn
Standard	EXS-1A	-	HPE-00500	0.34	0.25	0.08	0.007						Quality Control
434.55	435.30	0.75	HPE-00501	0.64	0.40	0.20	0.036						1/2 Core Sawn
435.30	436.45	1.15	HPE-00502	0.50	0.35	0.13	0.023						1/2 Core Sawn
436.45	437.10	0.65	HPE-00503	0.46	0.30	0.14	0.022						1/2 Core Sawn
437.10	438.10	1.00	HPE-00504	0.76	0.54	0.17	0.049						1/2 Core Sawn
438.10	439.65	1.55	HPE-00505	0.42	0.29	0.10	0.031						1/2 Core Sawn
439.65	442.40	2.75	HPE-00506	0.38	0.25	0.11	0.020						1/2 Core Sawn
442.40	443.00	0.60	HPE-00507	0.33	0.21	0.10	0.021						1/2 Core Sawn
443.00	444.70	1.70	HPE-00508	0.32	0.21	0.09	0.023						1/2 Core Sawn
444.70	446.50	1.80	HPE-00509	0.19	0.12	0.06	0.010						1/2 Core Sawn
446.50	448.40	1.90	HPE-00510	0.20	0.14	0.06	<0.005						1/2 Core Sawn
448.40	463.00	14.60	Not Sampled										Not Sampled
463.00	464.40	1.40	HPE-00590	0.09	0.06	0.02	0.011						1/2 Core Sawn
464.40	466.00	1.60	HPE-00591	0.11	0.08	0.02	0.011						1/2 Core Sawn
466.00	467.80	1.80	HPE-00592	0.23	0.15	0.06	0.018						1/2 Core Sawn
467.80	469.95	2.15	HPE-00593	0.13	0.09	0.03	0.008						1/2 Core Sawn
469.95	471.50	1.55	HPE-00594	0.19	0.13	0.06	<0.005						1/2 Core Sawn
471.50	473.00	1.50	Not Sampled										Not Sampled

BM3=Ni+Cu+Co (Base Metals)
PM3=Pt+Pd+Au (Precious Metals)

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 151-06

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	17-May-01, 23-May-01
File No.	C01-61025.0, C01-61055.0

Location UTM NAD 27 Zone 19

Easting	614,853.00
Northing	5,722,715.00
Elevation	915.00

Direction / Length

Azimuth	231 °
Inclination	-70 °
Length	301 m

Drill Hole Information

Drilled	23-May-01 - 23-May-01
Operator	Falconbridge Ltd.
Logged By	Francois Thibert

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
4.00	69.40	65.40	Not Sampled										Not Sampled
69.40	70.80	1.40	HPE-00217	0.15	0.09	0.04	0.016	5	<5	3	2	1.0	1/2 Core Sawn
70.80	72.30	1.50	HPE-00218	0.19	0.11	0.07	0.016	13	<5	4	9	1.3	1/2 Core Sawn
72.30	73.70	1.40	HPE-00219	0.32	0.20	0.10	0.022	4	<5	3	1	2.4	1/2 Core Sawn
Standard	EXS-3A	-	HPE-00220	1.03	0.80	0.20	0.026	817	178	563	76	2.0	Quality Control
73.70	74.30	0.60	HPE-00221	0.67	0.47	0.17	0.039	17	<5	14	3	5.5	1/2 Core Sawn
74.30	75.70	1.40	HPE-00222	0.29	0.16	0.12	0.015	6	<5	5	1	1.8	1/2 Core Sawn
75.70	76.20	0.50	HPE-00223	0.49	0.33	0.13	0.028	10	<5	8	2	3.8	1/2 Core Sawn
76.20	77.50	1.30	HPE-00224	0.23	0.12	0.09	0.016	72	<5	4	68	1.2	1/2 Core Sawn
77.50	78.00	0.50	HPE-00225	0.40	0.26	0.12	0.024	10	5	3	2	3.0	1/2 Core Sawn
78.00	79.30	1.30	HPE-00226	0.08	0.05	0.01	0.014	0	<5	<1	<1	0.3	1/2 Core Sawn
79.30	86.40	7.10	Not Sampled										Not Sampled
86.40	86.60	0.20	HPE-00227	1.43	1.17	0.18	0.083	46	<5	27	19	13.7	1/2 Core Sawn
86.60	131.50	44.90	Not Sampled										Not Sampled
131.50	132.65	1.15	HPE-00228	0.04	0.02	0.01	0.007	1	<5	<1	1	0.2	1/2 Core Sawn
132.65	133.00	0.35	HPE-00229	0.96	0.77	0.12	0.062	132	99	28	5	9.7	1/2 Core Sawn
133.00	134.10	1.10	HPE-00230	0.16	0.06	0.09	0.010	0	<5	<1	<1	0.9	1/2 Core Sawn
134.10	135.30	1.20	HPE-00231	0.31	0.13	0.17	0.016	17	<5	7	10	1.7	1/2 Core Sawn
135.30	135.90	0.60	HPE-00232	2.52	2.00	0.36	0.154	121	<5	63	58	29.7	1/2 Core Sawn
135.90	136.70	0.80	HPE-00233	0.45	0.28	0.14	0.025	7	<5	5	2	3.4	1/2 Core Sawn
136.70	137.20	0.50	HPE-00234	0.17	0.09	0.07	0.013	7	<5	3	4	1.0	1/2 Core Sawn
137.20	138.90	1.70	HPE-00235	1.05	0.71	0.29	0.053	93	<5	30	63	9.7	1/2 Core Sawn
138.90	140.50	1.60	HPE-00236	0.50	0.37	0.10	0.032	21	<5	18	3	5.3	1/2 Core Sawn
140.50	142.00	1.50	HPE-00237	0.34	0.20	0.12	0.019	12	<5	9	3	2.5	1/2 Core Sawn
142.00	157.90	15.90	Not Sampled										Not Sampled
157.90	159.50	1.60	HPE-00238	0.15	0.09	0.04	0.013	4	<5	3	1	0.8	1/2 Core Sawn
159.50	160.20	0.70	HPE-00239	0.67	0.40	0.23	0.033	19	<5	13	6	4.6	1/2 Core Sawn
Standard	EXS-3A	-	HPE-00240	1.07	0.84	0.20	0.026	749	170	545	34	1.9	Quality Control
160.20	161.60	1.40	HPE-00241	0.04	0.02	0.02	0.005	0	<5	<1	<1	0.3	1/2 Core Sawn
161.60	188.20	26.60	Not Sampled										Not Sampled
188.20	189.70	1.50	HPE-00286	0.01	0.00	0.003	0.001	0	<5	<1	<1	0.1	1/2 Core Sawn
189.70	190.70	1.00	HPE-00242	1.69	1.20	0.39	0.096	47	<5	37	10	13.8	1/2 Core Sawn
190.70	191.60	0.90	HPE-00243	3.36	2.74	0.44	0.186	86	<5	69	17	28.1	1/2 Core Sawn
191.60	192.70	1.10	HPE-00244	1.70	1.10	0.52	0.081	55	<5	29	26	12.3	1/2 Core Sawn
192.70	194.00	1.30	HPE-00245	0.25	0.16	0.07	0.017	5	<5	3	2	2.0	1/2 Core Sawn
194.00	195.20	1.20	HPE-00246	1.05	0.62	0.39	0.044	11	<5	5	6	7.7	1/2 Core Sawn
195.20	195.80	0.60	HPE-00247	1.69	0.97	0.66	0.065	344	301	33	10	12.8	1/2 Core Sawn

BM3=Ni+Cu+Co (Base Metals)
PM3=Pt+Pd+Au (Precious Metals)

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 151-06

Drill Core Samples		Location UTM NAD 27 Zone 19		Direction / Length		Drill Hole Information	
Laboratory	ALS Chimitec , Val d'Or	Easting	614,853.00	Azimuth	231 °	Drilled	23-May-01 - 23-May-01
Date Rec'd	17-May-01, 23-May-01	Northing	5,722,715.00	Inclination	-70 °	Operator	Falconbridge Ltd.
File No.	C01-61025.0, C01-61055.0	Elevation	915.00	Length	301 m	Logged By	Francois Thibert

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
195.80	197.00	1.20	HPE-00248	2.88	2.36	0.36	0.156	70	<5	49	21	25.2	1/2 Core Sawn
197.00	198.10	1.10	HPE-00249	1.50	0.43	1.03	0.040	19	<5	8	11	6.6	1/2 Core Sawn
198.10	199.50	1.40	HPE-00250	2.75	1.80	0.82	0.131	59	<5	32	27	22.8	1/2 Core Sawn
199.50	200.10	0.60	HPE-00251	3.17	2.52	0.48	0.175	78	<5	55	23	29.6	1/2 Core Sawn
200.10	202.10	2.00	HPE-00252	0.32	0.23	0.06	0.029	13	<5	9	4	2.8	1/2 Core Sawn
202.10	209.50	7.40	Not Sampled										Not Sampled
209.50	211.00	1.50	HPE-00253	0.45	0.21	0.21	0.028	11	<5	4	7	2.6	1/2 Core Sawn
211.00	211.80	0.80	HPE-00254	2.78	1.37	1.31	0.097	79	15	46	18	16.0	1/2 Core Sawn
211.80	212.55	0.75	HPE-00255	0.08	0.06	0.01	0.014	3	<5	1	2	0.2	1/2 Core Sawn
212.55	230.10	17.55	Not Sampled										Not Sampled
230.10	231.60	1.50	HPE-00256	0.87	0.22	0.63	0.023	12	<5	8	4	3.0	1/2 Core Sawn
231.60	233.00	1.40	HPE-00257	0.20	0.16	0.03	0.019	6	<5	4	2	1.7	1/2 Core Sawn
233.00	234.40	1.40	HPE-00258	3.04	1.71	1.20	0.124	36	<5	24	12	19.0	1/2 Core Sawn
234.40	235.70	1.30	HPE-00259	0.15	0.07	0.07	0.013	2	<5	1	1	0.6	1/2 Core Sawn
Standard	EXS-3A	-	HPE-00260	1.05	0.82	0.20	0.026	739	162	531	46	2.1	Quality Control
235.70	237.60	1.90	HPE-00287	0.08	0.05	0.02	0.013	1	<5	<1	1	0.3	1/2 Core Sawn
237.60	238.70	1.10	HPE-00261	0.54	0.30	0.21	0.028	9	<5	5	4	3.5	1/2 Core Sawn
238.70	240.20	1.50	HPE-00288	0.07	0.05	0.01	0.015	0	<5	<1	<1	0.2	1/2 Core Sawn
240.20	252.50	12.30	Not Sampled										Not Sampled
252.50	253.90	1.40	HPE-00262	0.25	0.15	0.08	0.019	16	10	1	5	1.7	1/2 Core Sawn
253.90	254.50	0.60	HPE-00263	2.63	1.82	0.67	0.143	27	<5	20	7	25.2	1/2 Core Sawn
254.50	255.70	1.20	HPE-00264	0.31	0.20	0.09	0.019	9	<5	6	3	2.4	1/2 Core Sawn
255.70	276.80	21.10	Not Sampled										Not Sampled
276.80	277.20	0.40	HPE-00265	0.59	0.34	0.21	0.036	7	<5	6	1	5.1	1/2 Core Sawn
277.20	280.50	3.30	Not Sampled										Not Sampled
280.50	282.00	1.50	HPE-00266	0.07	0.05	0.01	0.014	3	<5	1	2	0.2	1/2 Core Sawn
282.00	282.70	0.70	HPE-00267	0.42	0.22	0.18	0.024	25	<5	7	18	2.8	1/2 Core Sawn
282.70	283.20	0.50	HPE-00268	4.02	1.58	2.30	0.140	58	25	13	20	28.9	1/2 Core Sawn
283.20	284.30	1.10	HPE-00269	0.18	0.08	0.09	0.012	16	<5	10	6	1.1	1/2 Core Sawn
284.30	286.50	2.20	HPE-00270	0.04	0.02	0.01	0.006	1	<5	<1	1	0.1	1/2 Core Sawn
286.50	287.10	0.60	HPE-00271	1.87	1.41	0.33	0.131	31	6	11	14	21.1	1/2 Core Sawn
287.10	288.40	1.30	HPE-00272	0.14	0.08	0.04	0.014	20	<5	18	2	0.7	1/2 Core Sawn
288.40	289.20	0.80	HPE-00284	0.06	0.04	0.01	0.011	0	<5	<1	<1	0.2	1/2 Core Sawn
289.20	289.70	0.50	HPE-00273	1.32	0.25	1.03	0.030	490	<5	461	29	4.6	1/2 Core Sawn
289.70	291.10	1.40	HPE-00285	0.15	0.09	0.04	0.013	6	<5	3	3	1.0	1/2 Core Sawn
291.10	301.00	9.90	Not Sampled										Not Sampled

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 2001

Drill Core Samples	
Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	04-Apr-02, 11-Apr-02
File No.	C02-61044.0, C02-61097.0

Location UTM NAD 27 Zone 19	
Easting	614,823.24
Northing	5,722,601.75
Elevation	915.00

Direction / Length	
Azimuth	231 °
Inclination	-45 °
Length	198 m

Drill Hole Information	
Drilled	17-Mar-02 - 20-Mar-02
Operator	Rockwell Ventures
Logged By	Yves Boulianne

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
2.70	10.00	7.30	Not Sampled										Not Sampled
10.00	11.45	1.45	HPE-00294	0.43	0.32	0.08	0.028						1/2 Core Sawn
11.45	11.70	0.25	HPE-00295	1.60	1.37	0.13	0.095						1/2 Core Sawn
11.70	12.30	0.60	HPE-00296	0.33	0.20	0.11	0.024						1/2 Core Sawn
12.30	13.10	0.80	HPE-00297	1.86	1.49	0.26	0.111						1/2 Core Sawn
13.10	14.30	1.20	HPE-00298	0.10	0.08	0.01	0.009						1/2 Core Sawn
14.30	25.80	11.50	Not Sampled										Not Sampled
25.80	27.40	1.60	HPE-00299	0.11	0.08	0.01	0.016						1/2 Core Sawn
Standard	EXS-1A	-	HPE-00300	0.34	0.25	0.08	0.005						Quality Control
27.40	28.30	0.90	HPE-00301	1.63	1.12	0.42	0.085						1/2 Core Sawn
28.30	36.40	8.10	Not Sampled										Not Sampled
36.40	36.43	0.03	HPE-00302	0.10	0.08	0.01	0.014						1/2 Core Sawn
36.43	55.80	19.37	Not Sampled										Not Sampled
55.80	56.30	0.50	HPE-00303	1.25	0.03	1.22	<0.005						1/2 Core Sawn
56.30	56.65	0.35	HPE-00304	0.11	0.08	0.02	0.006						1/2 Core Sawn
56.65	57.00	0.35	HPE-00305	3.06	2.57	0.31	0.185						1/2 Core Sawn
57.00	58.45	1.45	HPE-00306	0.11	0.03	0.07	0.007						1/2 Core Sawn
58.45	58.90	0.45	HPE-00307	0.86	0.46	0.36	0.038						1/2 Core Sawn
58.90	59.40	0.50	HPE-00308	0.02	0.01	<0.01	0.007						1/2 Core Sawn
59.40	139.65	80.25	Not Sampled										Not Sampled
139.65	140.50	0.85	HPE-00309	0.12	0.09	0.02	0.012						1/2 Core Sawn
140.50	140.80	0.30	HPE-00310	1.33	1.02	0.23	0.076						1/2 Core Sawn
140.80	142.15	1.35	HPE-00311	0.08	0.07	<0.01	0.009						1/2 Core Sawn
142.15	147.50	5.35	Not Sampled										Not Sampled
147.50	148.00	0.50	HPE-00312	0.38	0.15	0.21	0.015						1/2 Core Sawn
148.00	148.60	0.60	HPE-00313	0.10	0.08	0.02	<0.005						1/2 Core Sawn
148.60	149.70	1.10	HPE-00314	0.72	0.41	0.29	0.024						1/2 Core Sawn
149.70	150.30	0.60	HPE-00315	0.05	0.05	<0.01	<0.005						1/2 Core Sawn
150.30	150.80	0.50	HPE-00316	0.95	0.80	0.09	0.060						1/2 Core Sawn
150.80	151.30	0.50	HPE-00317	0.10	0.08	<0.01	0.020						1/2 Core Sawn
151.30	152.20	0.90	HPE-00318	0.09	0.07	0.01	0.007						1/2 Core Sawn
152.20	152.80	0.60	HPE-00319	2.10	1.62	0.35	0.134						1/2 Core Sawn
Standard	EXS-1A	-	HPE-00320	0.33	0.24	0.08	0.010						Quality Control
152.80	153.60	0.80	HPE-00321	0.20	0.10	0.08	0.015						1/2 Core Sawn
153.60	154.60	1.00	HPE-00322	1.53	1.01	0.44	0.083						1/2 Core Sawn
154.60	156.20	1.60	HPE-00323	1.36	0.86	0.43	0.068						1/2 Core Sawn
156.20	157.10	0.90	HPE-00324	3.07	2.07	0.84	0.163						1/2 Core Sawn

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 2001

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	04-Apr-02, 11-Apr-02
File No.	C02-61044.0, C02-61097.0

Location UTM NAD 27 Zone 19

Easting	614,823.24
Northing	5,722,601.75
Elevation	915.00

Direction / Length

Azimuth	231 °
Inclination	-45 °
Length	198 m

Drill Hole Information

Drilled	17-Mar-02 - 20-Mar-02
Operator	Rockwell Ventures
Logged By	Yves Boulianne

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
157.10	158.50	1.40	HPE-00325	0.38	0.26	0.09	0.027						1/2 Core Sawn
158.50	166.10	7.60	Not Sampled										Not Sampled
166.10	167.60	1.50	HPE-00326	0.11	0.07	0.03	0.008						1/2 Core Sawn
167.60	168.20	0.60	HPE-00327	1.53	1.15	0.28	0.096						1/2 Core Sawn
168.20	169.50	1.30	HPE-00328	0.06	0.04	0.02	<0.005						1/2 Core Sawn
169.50	170.30	0.80	HPE-00329	0.58	0.38	0.18	0.021						1/2 Core Sawn
170.30	171.60	1.30	HPE-00330	0.08	0.05	0.03	<0.005						1/2 Core Sawn
171.60	188.70	17.10	Not Sampled										Not Sampled
188.70	190.00	1.30	HPE-00568	0.07	0.05	0.01	0.012						1/2 Core Sawn
190.00	191.50	1.50	HPE-00569	0.09	0.06	0.01	0.016						1/2 Core Sawn
191.50	193.00	1.50	HPE-00570	0.27	0.19	0.07	0.012						1/2 Core Sawn
193.00	194.50	1.50	HPE-00571	0.25	0.16	0.07	0.018						1/2 Core Sawn
194.50	195.50	1.00	HPE-00572	0.21	0.15	0.05	0.013						1/2 Core Sawn
195.50	197.35	1.85	HPE-00573	0.16	0.11	0.04	0.013						1/2 Core Sawn
197.35	198.00	0.65	HPE-00574	0.07	0.05	<0.01	0.015						1/2 Core Sawn

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 2002

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	04-Apr-02
File No.	C02-61044.0, C02-61045.0

Location UTM NAD 27 Zone 19

Easting	614,849.75
Northing	5,722,557.07
Elevation	918.00

Direction / Length

Azimuth	234 °
Inclination	-74 °
Length	186 m

Drill Hole Information

Drilled	20-Mar-02 - 22-Mar-02
Operator	Rockwell Ventures
Logged By	Yves Boulianne

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
1.75	22.70	20.95	Not Sampled										Not Sampled
22.70	24.20	1.50	HPE-00331	0.07	0.07	<0.01	<0.005						1/2 Core Sawn
24.20	24.60	0.40	HPE-00332	1.53	0.94	0.52	0.067						1/2 Core Sawn
24.60	25.95	1.35	Not Sampled										Not Sampled
25.95	33.00	7.05	HPE-00333	0.09	0.08	<0.01	0.011						1/2 Core Sawn
33.00	33.70	0.70	HPE-00334	0.09	0.07	0.01	0.005						1/2 Core Sawn
33.70	35.15	1.45	HPE-00335	0.17	0.13	0.03	0.006						1/2 Core Sawn
35.15	36.70	1.55	HPE-00336	0.42	0.27	0.13	0.015						1/2 Core Sawn
36.70	37.40	0.70	HPE-00337	0.21	0.15	0.05	0.008						1/2 Core Sawn
37.40	37.80	0.40	HPE-00338	2.62	1.68	0.82	0.120						1/2 Core Sawn
37.80	39.45	1.65	HPE-00339	0.16	0.12	0.03	0.015						1/2 Core Sawn
Standard	EXS-3A	-	HPE-00340	1.08	0.86	0.20	0.019						Quality Control
39.45	40.30	0.85	HPE-00341	2.64	1.02	1.54	0.081						1/2 Core Sawn
40.30	41.70	1.40	HPE-00342	2.86	2.54	0.14	0.176	20	<5	15	5	32.6	1/2 Core Sawn
41.70	42.80	1.10	HPE-00343	3.25	2.80	0.25	0.202	22	5	14	3	36.3	1/2 Core Sawn
42.80	43.60	0.80	HPE-00344	3.55	2.77	0.59	0.193	26	5	16	5	37.1	1/2 Core Sawn
43.60	45.90	2.30	HPE-00345	0.17	0.14	0.01	0.019						1/2 Core Sawn
45.90	46.00	0.10	HPE-00346	0.18	0.12	0.05	0.006						1/2 Core Sawn
46.00	47.10	1.10	HPE-00347	2.97	2.21	0.62	0.140						1/2 Core Sawn
47.10	48.60	1.50	HPE-00348	0.18	0.12	0.04	0.022						1/2 Core Sawn
48.60	49.60	1.00	HPE-00349	1.40	0.85	0.49	0.063						1/2 Core Sawn
49.60	50.50	0.90	HPE-00350	1.40	0.93	0.40	0.068						1/2 Core Sawn
50.50	51.60	1.10	HPE-00351	0.51	0.06	0.44	0.007						1/2 Core Sawn
51.60	52.90	1.30	HPE-00352	0.02	0.02	<0.01	<0.005						1/2 Core Sawn
52.90	53.25	0.35	HPE-00353	3.14	2.59	0.37	0.182						1/2 Core Sawn
53.25	54.75	1.50	HPE-00354	0.09	0.07	<0.01	0.021						1/2 Core Sawn
54.75	98.30	43.55	Not Sampled										Not Sampled
98.30	98.90	0.60	HPE-00355	0.15	0.09	0.04	0.017						1/2 Core Sawn
98.90	99.60	0.70	HPE-00356	1.54	1.08	0.39	0.074						1/2 Core Sawn
99.60	101.00	1.40	HPE-00382	0.90	0.42	0.44	0.040						1/2 Core Sawn
101.00	102.30	1.30	HPE-00357	1.36	0.86	0.44	0.063						1/2 Core Sawn
102.30	102.70	0.40	HPE-00358	0.41	0.28	0.10	0.030						1/2 Core Sawn
102.70	103.90	1.20	HPE-00359	1.83	1.60	0.11	0.119						1/2 Core Sawn
tandard	EXS-1A	-	HPE-00360	0.32	0.25	0.07	<0.005						Quality Control
103.90	104.90	1.00	HPE-00361	0.79	0.40	0.36	0.026						1/2 Core Sawn
104.90	105.75	0.85	HPE-00362	0.43	0.23	0.18	0.023						1/2 Core Sawn
105.75	106.10	0.35	HPE-00363	0.33	0.03	0.29	0.007						1/2 Core Sawn

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 2002

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	04-Apr-02
File No.	C02-61044.0, C02-61045.0

Location UTM NAD 27 Zone 19

Easting	614,849.75
Northing	5,722,557.07
Elevation	918.00

Direction / Length

Azimuth	234 °
Inclination	-74 °
Length	186 m

Drill Hole Information

Drilled	20-Mar-02 - 22-Mar-02
Operator	Rockwell Ventures
Logged By	Yves Boulianne

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
106.10	107.85	1.75	HPE-00364	1.67	0.49	1.14	0.041						1/2 Core Sawn
107.85	109.15	1.30	HPE-00365	0.62	0.25	0.34	0.027						1/2 Core Sawn
109.15	110.70	1.55	HPE-00366	0.08	0.05	0.02	0.010						1/2 Core Sawn
110.70	111.30	0.60	HPE-00367	2.78	1.59	1.07	0.119						1/2 Core Sawn
111.30	112.15	0.85	HPE-00368	0.57	0.26	0.28	0.027						1/2 Core Sawn
112.15	112.70	0.55	HPE-00369	0.14	0.09	0.03	0.018						1/2 Core Sawn
112.70	138.10	25.40	Not Sampled										Not Sampled
138.10	139.60	1.50	HPE-00370	0.06	0.05	<0.01	0.013						1/2 Core Sawn
139.60	140.60	1.00	HPE-00371	1.53	0.84	0.64	0.055						1/2 Core Sawn
140.60	141.65	1.05	HPE-00372	0.26	0.09	0.16	0.009						1/2 Core Sawn
141.65	143.15	1.50	HPE-00373	1.34	0.34	0.97	0.028						1/2 Core Sawn
143.15	144.60	1.45	HPE-00374	2.38	1.90	0.35	0.132	74	<5	36	38	24.6	1/2 Core Sawn
144.60	145.25	0.65	HPE-00375	2.13	1.21	0.83	0.092	96	<5	66	30	17.4	1/2 Core Sawn
145.25	146.00	0.75	HPE-00376	3.51	2.70	0.62	0.191	53	<5	38	15	34.7	1/2 Core Sawn
146.00	146.70	0.70	HPE-00377	0.33	0.16	0.15	0.017	4	<5	1	3	2.0	1/2 Core Sawn
146.70	147.80	1.10	HPE-00378	6.49	2.65	3.65	0.186	37	<5	30	7	36.3	1/2 Core Sawn
147.80	149.05	1.25	HPE-00379	3.97	2.86	0.91	0.204	34	5	24	5	35.5	1/2 Core Sawn
Standard	EXS-3A	-	HPE-00380	1.08	0.85	0.21	0.016						Quality Control
149.05	150.20	1.15	HPE-00381	0.53	0.08	0.44	0.008						1/2 Core Sawn
150.20	153.10	2.90	Not Sampled										Not Sampled
153.10	155.15	2.05	HPE-00383	0.45	0.27	0.15	0.029						1/2 Core Sawn
155.15	155.75	0.60	HPE-00384	1.11	0.66	0.40	0.047						1/2 Core Sawn
155.75	156.90	1.15	HPE-00385	0.49	0.33	0.14	0.023						1/2 Core Sawn
156.90	158.40	1.50	HPE-00386	0.42	0.27	0.13	0.020						1/2 Core Sawn
158.40	159.40	1.00	HPE-00387	0.60	0.45	0.11	0.040						1/2 Core Sawn
159.40	160.45	1.05	HPE-00388	0.36	0.24	0.10	0.017						1/2 Core Sawn
160.45	162.00	1.55	HPE-00389	0.34	0.22	0.10	0.017						1/2 Core Sawn
162.00	162.70	0.70	HPE-00390	0.82	0.49	0.29	0.041						1/2 Core Sawn
162.70	163.60	0.90	HPE-00391	0.40	0.26	0.12	0.015						1/2 Core Sawn
163.60	164.45	0.85	HPE-00392	1.09	0.81	0.22	0.062						1/2 Core Sawn
164.45	165.70	1.25	HPE-00393	0.50	0.32	0.16	0.022						1/2 Core Sawn
165.70	172.55	6.85	Not Sampled										Not Sampled
172.55	174.10	1.55	HPE-00394	0.50	0.34	0.13	0.032						1/2 Core Sawn
174.10	174.65	0.55	HPE-00395	0.75	0.54	0.17	0.040						1/2 Core Sawn
174.65	175.60	0.95	HPE-00396	0.31	0.20	0.09	0.019						1/2 Core Sawn
175.60	176.55	0.95	HPE-00397	0.30	0.22	0.06	0.024						1/2 Core Sawn
176.55	177.60	1.05	HPE-00398	0.39	0.26	0.11	0.016						1/2 Core Sawn

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 2002

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	04-Apr-02
File No.	C02-61044.0, C02-61045.0

Location UTM NAD 27 Zone 19

Easting	614,849.75
Northing	5,722,557.07
Elevation	918.00

Direction / Length

Azimuth	234 °
Inclination	-74 °
Length	186 m

Drill Hole Information

Drilled	20-Mar-02 - 22-Mar-02
Operator	Rockwell Ventures
Logged By	Yves Boulianne

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
177.60	179.20	1.60	HPE-00399	0.25	0.16	0.08	0.006						1/2 Core Sawn
Standard	EXS-1A	-	HPE-00400	0.32	0.24	0.07	0.009						Quality Control
179.20	180.35	1.15	HPE-00401	0.28	0.17	0.08	0.025						1/2 Core Sawn
180.35	181.45	1.10	HPE-00402	0.36	0.23	0.11	0.019						1/2 Core Sawn
181.45	182.85	1.40	HPE-00403	0.19	0.11	0.07	0.014						1/2 Core Sawn
182.85	186.00	3.15	Not Sampled										Not Sampled

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 2003

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	04-Apr-02
File No.	C02-61045.0

Location UTM NAD 27 Zone 19

Easting	614,855.93
Northing	5,722,496.59
Elevation	925.44

Direction / Length

Azimuth	231 °
Inclination	-45 °
Length	129 m

Drill Hole Information

Drilled	22-Mar-02 - 24-Mar-02
Operator	Rockwell Ventures
Logged By	Yves Boulianne

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
6.25	7.80	1.55	HPE-00404	0.10	0.07	0.02	0.014						1/2 Core Sawn
7.80	8.35	0.55	HPE-00405	2.53	2.19	0.18	0.156						1/2 Core Sawn
8.35	10.00	1.65	HPE-00406	0.09	0.06	0.02	0.013						1/2 Core Sawn
10.00	85.00	75.00	Not Sampled										Not Sampled
85.00	86.60	1.60	HPE-00407	0.14	0.09	0.03	0.018						1/2 Core Sawn
86.60	87.65	1.05	HPE-00408	2.92	2.51	0.24	0.173	56	<5	38	18	33.5	1/2 Core Sawn
87.65	88.60	0.95	HPE-00409	3.71	2.41	1.12	0.177	54	<5	37	17	30.8	1/2 Core Sawn
88.60	89.90	1.30	HPE-00410	0.12	0.02	0.10	<0.005						1/2 Core Sawn
89.90	129.00	39.10	Not Sampled										Not Sampled

BM3=Ni+Cu+Co (Base Metals)
PM3=Pt+Pd+Au (Precious Metals)

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 2004

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	04-Apr-02
File No.	C02-61046.0

Location UTM NAD 27 Zone 19

Easting	614,882.50
Northing	5,722,592.49
Elevation	918.27

Direction / Length

Azimuth	231 °
Inclination	-69 °
Length	262 m

Drill Hole Information

Drilled	24-Mar-02 - 27-Mar-02
Operator	Rockwell Ventures
Logged By	Yves Boulianne

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
3.75	84.45	80.70	Not Sampled										Not Sampled
84.45	86.00	1.55	HPE-00411	0.12	0.08	0.03	0.013	7	<5	4	3	0.6	1/2 Core Sawn
86.00	87.00	1.00	HPE-00412	3.21	2.74	0.28	0.191	148	6	92	50	33.5	1/2 Core Sawn
87.00	87.95	0.95	HPE-00413	3.33	2.21	0.97	0.151						1/2 Core Sawn
87.95	89.65	1.70	HPE-00414	0.41	0.22	0.16	0.026						1/2 Core Sawn
89.65	90.75	1.10	HPE-00415	0.49	0.32	0.15	0.018						1/2 Core Sawn
90.75	102.20	11.45	Not Sampled										Not Sampled
102.20	102.65	0.45	HPE-00416	0.31	0.20	0.09	0.017						1/2 Core Sawn
102.65	103.65	1.00	HPE-00417	0.35	0.17	0.17	0.013						1/2 Core Sawn
103.65	105.35	1.70	HPE-00418	0.29	0.17	0.10	0.024						1/2 Core Sawn
105.35	106.50	1.15	HPE-00419	0.26	0.18	0.06	0.015						1/2 Core Sawn
Standard	EXS-3A	-	HPE-00420	1.09	0.87	0.20	0.018						Quality Control
106.50	107.80	1.30	HPE-00421	0.19	0.13	0.04	0.019						1/2 Core Sawn
107.80	109.00	1.20	HPE-00422	0.20	0.14	0.04	0.016						1/2 Core Sawn
109.00	110.65	1.65	HPE-00423	0.23	0.14	0.08	0.005						1/2 Core Sawn
110.65	111.45	0.80	HPE-00424	2.69	2.17	0.37	0.153	41	8	22	11	29.5	1/2 Core Sawn
111.45	112.90	1.45	HPE-00425	3.02	2.59	0.26	0.175	40	9	25	6	33.5	1/2 Core Sawn
112.90	114.10	1.20	HPE-00426	3.29	2.50	0.61	0.180	51	8	29	14	34.3	1/2 Core Sawn
114.10	115.55	1.45	HPE-00427	0.11	0.08	0.02	0.010						1/2 Core Sawn
115.55	143.20	27.65	Not Sampled										Not Sampled
143.20	144.80	1.60	HPE-00428	0.16	0.10	0.04	0.015						1/2 Core Sawn
144.80	145.40	0.60	HPE-00429	2.75	2.35	0.23	0.170						1/2 Core Sawn
145.40	145.90	0.50	HPE-00430	0.34	0.13	0.18	0.025						1/2 Core Sawn
145.90	146.30	0.40	HPE-00431	2.07	1.86	0.08	0.132						1/2 Core Sawn
146.30	147.35	1.05	HPE-00432	1.69	0.31	1.35	0.030						1/2 Core Sawn
147.35	148.00	0.65	HPE-00433	0.10	0.07	0.01	0.015						1/2 Core Sawn
148.00	148.35	0.35	HPE-00434	1.68	1.35	0.24	0.092						1/2 Core Sawn
148.35	149.90	1.55	HPE-00435	0.15	0.09	0.04	0.017						1/2 Core Sawn
149.90	151.40	1.50	HPE-00436	0.36	0.19	0.14	0.026						1/2 Core Sawn
151.40	152.70	1.30	HPE-00437	3.13	2.23	0.73	0.167						1/2 Core Sawn
152.70	154.15	1.45	HPE-00438	0.19	0.12	0.05	0.019						1/2 Core Sawn
154.15	164.20	10.05	Not Sampled										Not Sampled
164.20	164.90	0.70	HPE-00439	0.12	0.08	0.02	0.019						1/2 Core Sawn
Standard	EXS-1A	-	HPE-00440	0.34	0.25	0.08	0.013						Quality Control
164.90	165.50	0.60	HPE-00441	1.13	0.03	1.10	<0.005						1/2 Core Sawn
165.50	167.25	1.75	HPE-00442	3.65	2.70	0.76	0.191	79	10	57	12	35.2	1/2 Core Sawn
167.25	169.90	2.65	HPE-00443	4.00	2.81	0.99	0.203	137	12	104	21	35.6	1/2 Core Sawn

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 2004

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	04-Apr-02
File No.	C02-61046.0

Location UTM NAD 27 Zone 19

Easting	614,882.50
Northing	5,722,592.49
Elevation	918.27

Direction / Length

Azimuth	231 °
Inclination	-69 °
Length	262 m

Drill Hole Information

Drilled	24-Mar-02 - 27-Mar-02
Operator	Rockwell Ventures
Logged By	Yves Boulianne

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
169.90	171.45	1.55	HPE-00444	3.58	2.66	0.73	0.186	110	7	49	54	35.9	1/2 Core Sawn
171.45	172.20	0.75	HPE-00445	0.33	0.06	0.26	0.014						1/2 Core Sawn
172.20	173.00	0.80	HPE-00446	0.01	<0.01	0.01	<0.005						1/2 Core Sawn
173.00	265.65	92.65	Not Sampled										Not Sampled

BM3=Ni+Cu+Co (Base Metals)
PM3=Pt+Pd+Au (Precious Metals)

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 2005

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	11-Apr-02
File No.	C02-61096.0

Location UTM NAD 27 Zone 19

Easting	614,926.72
Northing	5,722,619.00
Elevation	931.98

Direction / Length

Azimuth	231 °
Inclination	-70 °
Length	302 m

Drill Hole Information

Drilled	31-Mar-02 - 03-Apr-02
Operator	Rockwell Ventures
Logged By	Yves Boulianne

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
0.20	200.70	200.50	Not Sampled										Not Sampled
200.70	201.40	0.70	HPE-00511	1.07	0.72	0.30	0.051						1/2 Core Sawn
201.40	202.40	1.00	HPE-00512	0.97	0.53	0.40	0.035						1/2 Core Sawn
202.40	203.75	1.35	HPE-00513	0.88	0.53	0.31	0.036						1/2 Core Sawn
203.75	204.25	0.50	HPE-00514	1.59	1.28	0.22	0.091						1/2 Core Sawn
204.25	205.75	1.50	HPE-00515	0.61	0.44	0.14	0.027						1/2 Core Sawn
205.75	219.85	14.10	Not Sampled										Not Sampled
219.85	221.55	1.70	HPE-00516	0.26	0.16	0.08	0.018						1/2 Core Sawn
221.55	223.50	1.95	HPE-00517	0.30	0.19	0.09	0.016						1/2 Core Sawn
223.50	223.75	0.25	HPE-00518	0.38	0.26	0.09	0.026						1/2 Core Sawn
223.75	225.25	1.50	HPE-00519	0.56	0.35	0.19	0.023						1/2 Core Sawn
Standard	EXS-1A	-	HPE-00520	0.35	0.26	0.08	0.009						Quality Control
225.25	226.40	1.15	HPE-00521	0.43	0.31	0.10	0.017						1/2 Core Sawn
226.40	302.00	75.60	Not Sampled										Not Sampled

BM3=Ni+Cu+Co (Base Metals)
PM3=Pt+Pd+Au (Precious Metals)

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 2006

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	11-Apr-02
File No.	C02-61096.0, C02-61097.0

Location UTM NAD 27 Zone 19

Easting	614,847.06
Northing	5,722,671.00
Elevation	919.39

Direction / Length

Azimuth	231 °
Inclination	-45 °
Length	203 m

Drill Hole Information

Drilled	03-Apr-02 - 05-Apr-02
Operator	Rockwell Ventures
Logged By	Yves Boulianne

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
1.00	29.65	28.65	Not Sampled										Not Sampled
29.65	31.15	1.50	HPE-00522	0.13	0.06	0.06	0.007						1/2 Core Sawn
31.15	31.45	0.30	HPE-00523	2.74	1.86	0.74	0.137						1/2 Core Sawn
31.45	31.95	0.50	HPE-00524	0.17	0.09	0.07	0.012						1/2 Core Sawn
31.95	32.55	0.60	HPE-00525	1.90	1.32	0.49	0.089						1/2 Core Sawn
32.55	32.80	0.25	HPE-00526	5.07	2.17	2.75	0.154						1/2 Core Sawn
32.80	34.40	1.60	HPE-00527	0.24	0.08	0.15	0.012						1/2 Core Sawn
34.40	35.50	1.10	HPE-00528	1.10	0.52	0.54	0.038						1/2 Core Sawn
35.50	36.00	0.50	HPE-00529	2.29	1.88	0.28	0.130						1/2 Core Sawn
36.00	37.40	1.40	HPE-00530	0.27	0.18	0.07	0.015						1/2 Core Sawn
37.40	37.90	0.50	HPE-00531	3.07	2.67	0.21	0.187						1/2 Core Sawn
37.90	39.20	1.30	HPE-00532	0.32	0.22	0.08	0.016						1/2 Core Sawn
39.20	39.70	0.50	HPE-00533	1.38	1.01	0.29	0.075						1/2 Core Sawn
39.70	40.20	0.50	HPE-00534	0.21	0.14	0.06	0.007						1/2 Core Sawn
40.20	40.70	0.50	HPE-00535	0.82	0.44	0.35	0.028						1/2 Core Sawn
40.70	42.30	1.60	HPE-00536	0.51	0.27	0.21	0.025						1/2 Core Sawn
42.30	42.70	0.40	HPE-00537	0.94	0.29	0.63	0.024						1/2 Core Sawn
42.70	43.60	0.90	HPE-00538	0.76	0.39	0.35	0.022						1/2 Core Sawn
43.60	45.50	1.90	HPE-00539	1.02	0.66	0.31	0.054						1/2 Core Sawn
Standard	EXS-1A	-	HPE-00540	0.33	0.24	0.08	0.012						Quality Control
45.50	46.50	1.00	HPE-00541	0.09	0.05	0.03	0.006						1/2 Core Sawn
46.50	47.60	1.10	HPE-00542	0.60	0.32	0.25	0.028						1/2 Core Sawn
47.60	48.30	0.70	HPE-00543	0.05	0.03	0.01	0.010						1/2 Core Sawn
48.30	48.80	0.50	HPE-00544	0.38	0.27	0.10	0.010						1/2 Core Sawn
48.80	50.05	1.25	HPE-00545	0.17	0.12	0.04	0.008						1/2 Core Sawn
50.05	51.70	1.65	HPE-00546	0.16	0.09	0.05	0.015						1/2 Core Sawn
51.70	52.10	0.40	HPE-00547	0.88	0.52	0.33	0.034						1/2 Core Sawn
52.10	53.70	1.60	HPE-00548	0.14	0.09	0.04	0.006						1/2 Core Sawn
53.70	60.95	7.25	HPE-00549	0.11	0.08	0.02	0.013						1/2 Core Sawn
60.95	61.75	0.80	HPE-00550	1.79	1.50	0.19	0.102						1/2 Core Sawn
61.75	62.50	0.75	HPE-00551	0.32	0.15	0.15	0.018						1/2 Core Sawn
62.50	63.30	0.80	HPE-00552	0.33	0.08	0.24	0.010						1/2 Core Sawn
63.30	68.60	5.30	Not Sampled										Not Sampled
68.60	70.20	1.60	HPE-00553	0.12	0.09	0.03	<0.005						1/2 Core Sawn
70.20	70.65	0.45	HPE-00554	3.07	2.56	0.33	0.178						1/2 Core Sawn
70.65	72.20	1.55	HPE-00555	0.34	0.20	0.12	0.016						1/2 Core Sawn
72.20	72.60	0.40	HPE-00556	2.99	2.48	0.35	0.156						1/2 Core Sawn

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 2006

Drill Core Samples

Laboratory	ALS Chimitec , Val d'Or
Date Rec'd	11-Apr-02
File No.	C02-61096.0, C02-61097.0

Location UTM NAD 27 Zone 19

Easting	614,847.06
Northing	5,722,671.00
Elevation	919.39

Direction / Length

Azimuth	231 °
Inclination	-45 °
Length	203 m

Drill Hole Information

Drilled	03-Apr-02 - 05-Apr-02
Operator	Rockwell Ventures
Logged By	Yves Boulianne

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
72.60	73.70	1.10	HPE-00557	0.20	0.14	0.05	0.011						1/2 Core Sawn
73.70	74.20	0.50	HPE-00558	0.01	0.01	<0.01	<0.005						1/2 Core Sawn
74.20	89.65	15.45	Not Sampled										Not Sampled
89.65	90.50	0.85	HPE-00559	0.28	0.19	0.07	0.024						1/2 Core Sawn
Standard	EXS-1A	-	HPE-00560	0.33	0.24	0.08	0.006						Quality Control
90.50	92.15	1.65	HPE-00561	0.20	0.14	0.05	0.014						1/2 Core Sawn
92.15	95.00	2.85	HPE-00562	0.29	0.18	0.09	0.015						1/2 Core Sawn
95.00	96.60	1.60	HPE-00563	0.46	0.28	0.16	0.023						1/2 Core Sawn
96.60	98.40	1.80	HPE-00564	0.15	0.10	0.04	0.010						1/2 Core Sawn
98.40	99.60	1.20	Not Sampled										Not Sampled
99.60	99.65	0.05	HPE-00595	0.06	0.04	<0.01	0.015	1	<5	<1	1	<0.02	1/2 Core Sawn
99.65	111.30	11.65	Not Sampled										Not Sampled
111.30	112.65	1.35	HPE-00565	0.58	0.37	0.19	0.023						1/2 Core Sawn
112.65	114.15	1.50	HPE-00566	0.55	0.30	0.23	0.020						1/2 Core Sawn
114.15	115.60	1.45	HPE-00567	0.62	0.44	0.15	0.032						1/2 Core Sawn
115.60	203.00	87.40	Not Sampled										Not Sampled

Rockwell Ventures Inc.

HAUT PLATEAU PROJECT - ANALYTICAL RESULTS

Hole ID: 2007

Drill Core Samples		Location UTM NAD 27 Zone 19		Direction / Length		Drill Hole Information	
Laboratory	ALS Chimitec , Val d'Or	Easting	614,807.00	Azimuth	231 °	Drilled	05-Apr-02 - 07-Apr-02
Date Rec'd	11-Apr-02	Northing	5,722,691.50	Inclination	-45 °	Operator	Rockwell Ventures
File No.	C02-61097.0	Elevation	920.97	Length	197 m	Logged By	Yves Boulianne

Sample Interval (metres)			Sample Number	BM3 %	Ni %	Cu %	Co %	PM3 ppb	Pt ppb	Pd ppb	Au ppb	S %	Sample Method
From	To	Int.											
5.00	7.00	2.00	Not Sampled										Not Sampled
7.00	8.20	1.20	HPE-00596	0.09	0.05	0.04	<0.005						1/2 Core Sawn
8.20	9.10	0.90	HPE-00597	0.03	0.01	0.02	<0.005						1/2 Core Sawn
9.10	9.35	0.25	HPE-00598	0.60	0.39	0.19	0.015						1/2 Core Sawn
9.35	10.90	1.55	HPE-00599	0.05	0.02	0.02	0.009						1/2 Core Sawn
Standard	EXS-1A	-	HPE-00600	0.32	0.25	0.07	<0.005						Quality Control
10.90	117.00	106.10	Not Sampled										Not Sampled
117.00	118.50	1.50	HPE-00601	0.09	0.06	0.02	0.009						1/2 Core Sawn
118.50	120.10	1.60	HPE-00602	0.15	0.10	0.04	0.006						1/2 Core Sawn
120.10	121.40	1.30	HPE-00603	0.04	0.03	0.01	<0.005						1/2 Core Sawn
121.40	123.10	1.70	HPE-00604	0.05	0.03	0.01	0.012						1/2 Core Sawn
123.10	124.60	1.50	HPE-00605	0.44	0.25	0.17	0.020						1/2 Core Sawn
124.60	125.35	0.75	HPE-00606	0.14	0.09	0.04	0.008						1/2 Core Sawn
125.35	125.80	0.45	HPE-00607	2.30	1.47	0.75	0.084						1/2 Core Sawn
125.80	127.35	1.55	HPE-00608	0.16	0.07	0.07	0.024						1/2 Core Sawn
127.35	128.70	1.35	HPE-00609	0.07	0.03	0.03	0.010						1/2 Core Sawn
128.70	129.60	0.90	HPE-00610	0.20	0.11	0.08	0.014						1/2 Core Sawn
129.60	130.20	0.60	HPE-00611	0.24	0.15	0.08	0.012						1/2 Core Sawn
130.20	131.80	1.60	HPE-00612	0.06	0.02	0.03	0.012						1/2 Core Sawn
131.80	132.40	0.60	HPE-00613	0.43	0.23	0.19	0.010						1/2 Core Sawn
132.40	133.75	1.35	HPE-00614	0.10	0.05	0.05	<0.005						1/2 Core Sawn
133.75	134.60	0.85	HPE-00615	0.72	0.51	0.17	0.038						1/2 Core Sawn
134.60	136.00	1.40	HPE-00616	0.10	0.05	0.05	<0.005						1/2 Core Sawn
136.00	197.00	61.00	Not Sampled										Not Sampled

BC CHIMITEC BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

ROCKWELL VENTURES INC.
MR ERIC TITLEY
1020 - 800 WEST PENDER ST
VANCOUVER, BC, CANADA
V6C 2V6

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

REPORT: C02-61044.0 (COMPLETE) REFERENCE: 170877

CLIENT: ROCKWELL VENTURES INC. SUBMITTED BY: Y. BOULIANNE
PROJECT: HAUT DATE RECEIVED: 04-APR-02 DATE PRINTED: 16-AVR-02

DATE APPROVED	ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
020411	1	Au	Gold - Fire Assay	3	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
020411	2	Pt	Platinum	3	5 PPB	FIRE ASSAY	FIRE ASSAY-DCP
020411	3	Pd	Palladium	3	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
020411	4	Co	Co - GA50	57	0.005 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020411	5	Cu	Cu - GA50	57	0.01 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020411	6	Ni	Ni - GA50	57	0.01 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020411	7	S Tot	S (Total) - ST60	3	0.02 PCT		LECO

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	57	-150	57	CRUSH/SPLIT & PULV.	54
				AS RECEIVED	3

REPORT COPIES TO: MR ERIC TITLEY
MR MARK REBAGLIATI

INVOICE TO: MR ERIC TITLEY

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT
REPORT: C02-61044.0 (COMPLETE) DATE RECEIVED: 04-APR-02 DATE PRINTED: 16-AVR-02 PAGE 1 DE 4

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Co PCT	Cu PCT	Ni PCT	S Tot PCT
HPE00294					0.028	0.08	0.32	
HPE00295					0.095	0.13	1.37	
HPE00296					0.024	0.11	0.20	
HPE00297					0.111	0.26	1.49	
HPE00298					0.009	0.01	0.08	
HPE00299					0.016	0.01	0.08	
HPE00300					0.005	0.08	0.25	
HPE00301					0.085	0.42	1.12	
HPE00302					0.014	0.01	0.08	
HPE00303					<0.005	1.22	0.03	
HPE00304					0.006	0.02	0.08	
HPE00305					0.185	0.31	2.57	
HPE00306					0.007	0.07	0.03	
HPE00307					0.038	0.36	0.46	
HPE00308					0.007	<0.01	0.01	
HPE00309					0.012	0.02	0.09	
HPE00310					0.076	0.23	1.02	
HPE00311					0.009	<0.01	0.07	
HPE00312					0.015	0.21	0.15	
HPE00313					<0.005	0.02	0.08	
HPE00314					0.024	0.29	0.41	
HPE00315					<0.005	<0.01	0.05	
HPE00316					0.060	0.09	0.80	
HPE00317					0.020	<0.01	0.08	
HPE00318					0.007	0.01	0.07	
HPE00319					0.134	0.35	1.62	
HPE00320					0.010	0.08	0.24	
HPE00321					0.015	0.08	0.10	
HPE00322					0.083	0.44	1.01	
HPE00323					0.068	0.43	0.86	
HPE00324					0.163	0.84	2.07	
HPE00325					0.027	0.09	0.26	
HPE00326					0.008	0.03	0.07	
HPE00327					0.096	0.28	1.15	
HPE00328					<0.005	0.02	0.04	
HPE00329					0.021	0.18	0.38	
HPE00330					<0.005	0.03	0.05	
HPE00331					<0.005	<0.01	0.07	
HPE00332					0.067	0.52	0.94	
HPE00333					0.011	<0.01	0.08	

2001

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT
REPORT: C02-61044.0 (COMPLETE) DATE RECEIVED: 04-APR-02 DATE PRINTED: 16-AVR-02 PAGE 2 DE 4

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Co PCT	Cu PCT	Ni PCT	S Tot PCT
HPE00334					0.005	0.01	0.07	
HPE00335					0.006	0.03	0.13	
HPE00336					0.015	0.13	0.27	
HPE00337					0.008	0.05	0.15	
HPE00338					0.120	0.82	1.68	
HPE00339					0.015	0.03	0.12	
HPE00340					0.019	0.20	0.86	
HPE00341					0.081	1.54	1.02	
HPE00342		5	<5	15	0.176	0.14	2.54	32.63
HPE00343		3	5	14	0.202	0.25	2.80	36.25
HPE00344		5	5	16	0.193	0.59	2.77	37.06
HPE00345					0.019	0.01	0.14	
HPE00346					0.006	0.05	0.12	
HPE00347					0.140	0.62	2.21	
HPE00348					0.022	0.04	0.12	
HPE00349					0.063	0.49	0.85	
HPE00350					0.068	0.40	0.93	

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT
REPORT: C02-61044.0 (COMPLETE) DATE RECEIVED: 04-APR-02 DATE PRINTED: 16-AVR-02 PAGE 3 DE 4

STANDARD NAME	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Co PCT	Cu PCT	Ni PCT	S Tot PCT
ME89-1		-	-	-	<0.005	1.89	0.01	-
Number of Analyses		-	-	-	1	1	1	-
Mean Value		-	-	-	0.0025	1.894	0.010	-
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		-	-	-	-	1.96	-	-
SU-1A		-	-	-	0.038	0.94	1.23	-
SU-1A		-	-	-	0.042	0.94	1.22	-
Number of Analyses		-	-	-	2	2	2	-
Mean Value		-	-	-	0.0400	0.938	1.225	-
Standard Deviation		-	-	-	0.00283	0.0008	0.0071	-
Accepted Value		-	-	-	0.041	0.97	1.23	10.00
BCC PULP STD.		-	-	-	0.031	4.89	<0.01	-
Number of Analyses		-	-	-	1	1	1	-
Mean Value		-	-	-	0.0306	4.891	0.005	-
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		-	-	-	-	5.00	-	11.40
CCU-1C		-	-	-	-	-	-	33.31
Number of Analyses		-	-	-	-	-	-	1
Mean Value		-	-	-	-	-	-	33.310
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		-	-	-	-	25.62	-	-

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT

REPORT: C02-61044.0 (COMPLETE) DATE RECEIVED: 04-APR-02 DATE PRINTED: 16-AVR-02

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Co PCT	Cu PCT	Ni PCT	S Tot PCT
HPE00294					0.028	0.08	0.32	
Duplicate					0.020	0.08	0.30	
HPE00305					0.185	0.31	2.57	
Duplicate					0.193	0.31	2.56	
HPE00322					0.083	0.44	1.01	
Duplicate					0.084	0.45	0.99	
HPE00338					0.120	0.82	1.68	
Duplicate					0.119	0.83	1.66	
HPE00342		5	<5	15	0.176	0.14	2.54	32.63
Duplicate					0.172	0.15	2.62	32.43

2001

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

BC CHIMITEC BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

ROCKWELL VENTURES INC.
MR ERIC TITLEY
1020 - 800 WEST PENDER ST
VANCOUVER, BC, CANADA
V6C 2V6

+ + + + +

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

VANCOUVER BRANCH

Certificat D'Analyse
Assay Lab Report

REPORT: C02-61045.0 (COMPLETE) REFERENCE: 170877

CLIENT: ROCKWELL VENTURES INC. SUBMITTED BY: Y. BOULIANNE
PROJECT: HAUT DATE RECEIVED: 04-APR-02 DATE PRINTED: 16-AVR-02

DATE APPROVED	ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
020411	1	Au	Gold - Fire Assay	8	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
020411	2	Pt	Platinum	8	5 PPB	FIRE ASSAY	FIRE ASSAY-DCP
020411	3	Pd	Palladium	8	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
020411	4	Co	Co - GA50	60	0.005 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020411	5	Cu	Cu - GA50	60	0.01 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020411	6	Ni	Ni - GA50	60	0.01 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020411	7	S Tot	S (Total) - ST60	8	0.02 PCT		LECO

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	60	-150	60	CRUSH/SPLIT & PULV.	57
				AS RECEIVED	3

REPORT COPIES TO: MR ERIC TITLEY
MR MARK REBAGLIATI

INVOICE TO: MR ERIC TITLEY

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

BC CHIMITEC BONDAR CLEGG

ISO 9002 VANCOUVER BRANCH

Certificat D'Analyse
Assay Lab Report

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT

REPORT: C02-61045.0 (COMPLETE) DATE RECEIVED: 04-APR-02 DATE PRINTED: 16-AVR-02

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Co PCT	Cu PCT	Ni PCT	S Tot PCT
HPE00351					0.007	0.44	0.06	
HPE00352					<0.005	<0.01	0.02	
HPE00353					0.182	0.37	2.59	
HPE00354					0.021	<0.01	0.07	
HPE00355					0.017	0.04	0.09	
HPE00356					0.074	0.39	1.08	
HPE00357					0.063	0.44	0.86	
HPE00358					0.030	0.10	0.28	
HPE00359					0.119	0.11	1.60	
HPE00360					<0.005	0.07	0.25	
HPE00361					0.026	0.36	0.40	
HPE00362					0.023	0.18	0.23	
HPE00363					0.007	0.29	0.03	
HPE00364					0.041	1.14	0.49	
HPE00365					0.027	0.34	0.25	
HPE00366					0.010	0.02	0.05	
HPE00367					0.119	1.07	1.59	
HPE00368					0.027	0.28	0.26	
HPE00369					0.018	0.03	0.09	
HPE00370					0.013	<0.01	0.05	
HPE00371					0.055	0.64	0.84	
HPE00372					0.009	0.16	0.09	
HPE00373					0.028	0.97	0.34	
HPE00374		38	<5	36	0.132	0.35	1.90	24.58
HPE00375		30	<5	66	0.092	0.83	1.21	17.39
HPE00376		15	<5	38	0.191	0.62	2.70	34.70
HPE00377		3	<5	1	0.017	0.15	0.16	1.98
HPE00378		7	<5	30	0.186	3.65	2.65	36.29
HPE00379		5	5	24	0.204	0.91	2.86	35.45
HPE00380					0.016	0.21	0.85	
HPE00381					0.008	0.44	0.08	
HPE00382					0.040	0.44	0.42	
HPE00383					0.029	0.15	0.27	
HPE00384					0.047	0.40	0.66	
HPE00385					0.023	0.14	0.33	
HPE00386					0.020	0.13	0.27	
HPE00387					0.040	0.11	0.45	
HPE00388					0.017	0.10	0.24	
HPE00389					0.017	0.10	0.22	
HPE00390					0.041	0.29	0.49	

2002

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT

REPORT: C02-61045.0 (COMPLETE) DATE RECEIVED: 04-APR-02 DATE PRINTED: 16-AVR-02

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Co PCT	Cu PCT	Ni PCT	S Tot PCT
HPE00391					0.015	0.12	0.26	
HPE00392					0.062	0.22	0.81	
HPE00393					0.022	0.16	0.32	
HPE00394					0.032	0.13	0.34	
HPE00395					0.040	0.17	0.54	
HPE00396					0.019	0.09	0.20	
HPE00397					0.024	0.06	0.22	
HPE00398					0.016	0.11	0.26	
HPE00399					0.006	0.08	0.16	
HPE00400					0.009	0.07	0.24	
HPE00401					0.025	0.08	0.17	
HPE00402					0.019	0.11	0.23	
HPE00403					0.014	0.07	0.11	
HPE00404					0.014	0.02	0.07	
HPE00405					0.156	0.18	2.19	
HPE00406					0.013	0.02	0.06	
HPE00407					0.018	0.03	0.09	
HPE00408		18	<5	38	0.173	0.24	2.51	33.45
HPE00409		17	<5	37	0.177	1.12	2.41	30.81
HPE00410					<0.005	0.10	0.02	

2002

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT
REPORT: C02-61045.0 (COMPLETE) DATE RECEIVED: 04-APR-02 DATE PRINTED: 16-AVR-02

STANDARD NAME	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Co PCT	Cu PCT	Ni PCT	S Tot PCT
BCC PULP STD.		-	-	-	0.034	4.90	<0.01	-
Number of Analyses		-	-	-	1	1	1	-
Mean Value		-	-	-	0.0338	4.900	0.005	-
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		-	-	-	-	5.00	-	11.40
SU-1A		-	-	-	0.044	0.94	1.21	-
Number of Analyses		-	-	-	1	1	1	-
Mean Value		-	-	-	0.0437	0.940	1.214	-
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		-	-	-	0.041	0.97	1.23	10.00
ME89-1		-	-	-	<0.005	1.91	<0.01	-
Number of Analyses		-	-	-	1	1	1	-
Mean Value		-	-	-	0.0025	1.910	0.005	-
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		-	-	-	-	1.96	-	-
ANALYTICAL BLANK		<1	<5	<1	-	-	-	-
Number of Analyses		1	1	1	-	-	-	-
Mean Value		0.5	2.5	0.5	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		5	5	5	<0.001	<0.01	<0.01	<0.01
ST 260		828	2092	1441	-	-	-	-
Number of Analyses		1	1	1	-	-	-	-
Mean Value		828.0	2092.0	1441.0	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		880	2230	1510	-	-	-	-
CCU-1C		-	-	-	-	-	-	33.31
Number of Analyses		-	-	-	-	-	-	1
Mean Value		-	-	-	-	-	-	33.310
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		-	-	-	-	25.62	-	-

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT

REPORT: C02-61045.0 (COMPLETE) DATE RECEIVED: 04-APR-02 DATE PRINTED: 16-AVR-02

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Co PCT	Cu PCT	Ni PCT	S Tot PCT
HPE00353					0.182	0.37	2.59	
Duplicate					0.182	0.37	2.62	
HPE00359					0.119	0.11	1.60	
Duplicate					0.115	0.11	1.61	
HPE00374	2002	38	<5	36	0.132	0.35	1.90	24.58
Duplicate								24.83
HPE00379		5	5	24	0.204	0.91	2.86	35.45
Duplicate		8	6	25	0.211	0.93	2.82	
HPE00408		18	<5	38	0.173	0.24	2.51	33.45
Duplicate					0.171	0.23	2.52	
HPE00409		17	<5	37	0.177	1.12	2.41	30.81
Duplicate					0.172	1.13	2.34	

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

2004

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

ROCKWELL VENTURES INC.
MR ERIC TITLEY
1020 - 800 WEST PENDER ST
VANCOUVER, BC, CANADA
V6C 2V6

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

2004

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

REPORT: C02-61046.0 (COMPLETE) REFERENCE: 170878

CLIENT: ROCKWELL VENTURES INC. SUBMITTED BY: Y. BOULIANNE
PROJECT: HAUT DATE RECEIVED: 04-APR-02 DATE PRINTED: 19-AVR-02

DATE APPROVED	ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
020411	1	Au	Gold - Fire Assay	8	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
020411	2	Pt	Platinum	8	5 PPB	FIRE ASSAY	FIRE ASSAY-DCP
020411	3	Pd	Palladium	8	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
020411	4	Co	Co - GA50	36	0.005 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020411	5	Cu	Cu - GA50	36	0.01 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020411	6	Ni	Ni - GA50	36	0.01 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020411	7	S Tot	S (Total) - ST60	8	0.02 PCT		LECO

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	36	-150	36	CRUSH/SPLIT & PULV.	34
				AS RECEIVED	2

REPORT COPIES TO: MR ERIC TITLEY
MR MARK REBAGLIATI

INVOICE TO: MR ERIC TITLEY

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

2004

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT
REPORT: C02-61046.0 (COMPLETE) DATE RECEIVED: 04-APR-02 DATE PRINTED: 19-AVR-02 PAGE 1 DE 3

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Co PCT	Cu PCT	Ni PCT	S Tot PCT
HPE00411		3	<5	4	0.013	0.03	0.08	0.56
HPE00412		50	6	92	0.191	0.28	2.74	33.51
HPE00413					0.151	0.97	2.21	
HPE00414					0.026	0.16	0.22	
HPE00415					0.018	0.15	0.32	
HPE00416					0.017	0.09	0.20	
HPE00417					0.013	0.17	0.17	
HPE00418					0.024	0.10	0.17	
HPE00419					0.015	0.06	0.18	
HPE00420					0.018	0.20	0.87	
HPE00421					0.019	0.04	0.13	
HPE00422					0.016	0.04	0.14	
HPE00423					0.005	0.08	0.14	
HPE00424		11	8	22	0.153	0.37	2.17	29.52
HPE00425		6	9	25	0.175	0.26	2.59	33.51
HPE00426		14	8	29	0.180	0.61	2.50	34.25
HPE00427					0.010	0.02	0.08	
HPE00428					0.015	0.04	0.10	
HPE00429					0.170	0.23	2.35	
HPE00430					0.025	0.18	0.13	
HPE00431					0.132	0.08	1.86	
HPE00432					0.030	1.35	0.31	
HPE00433					0.015	0.01	0.07	
HPE00434					0.092	0.24	1.35	
HPE00435					0.017	0.04	0.09	
HPE00436					0.026	0.14	0.19	
HPE00437					0.167	0.73	2.23	
HPE00438					0.019	0.05	0.12	
HPE00439					0.019	0.02	0.08	
HPE00440					0.013	0.08	0.25	
HPE00441					<0.005	1.10	0.03	
HPE00442		12	10	57	0.191	0.76	2.70	35.22
HPE00443		21	12	104	0.203	0.99	2.81	35.56
HPE00444		54	7	49	0.186	0.73	2.66	35.93
HPE00445					0.014	0.26	0.06	
HPE00446					<0.005	0.01	<0.01	

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT
REPORT: C02-61046.0 (COMPLETE) DATE RECEIVED: 04-APR-02 DATE PRINTED: 19-AVR-02 PAGE 2 DE 3

STANDARD NAME	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Co PCT	Cu PCT	Ni PCT	S Tot PCT
SU-1A		-	-	-	0.043	0.94	1.24	-
SU-1A		-	-	-	0.040	0.95	1.21	-
Number of Analyses		-	-	-	2	2	2	-
Mean Value		-	-	-	0.0414	0.946	1.221	-
Standard Deviation		-	-	-	0.00216	0.0115	0.0201	-
Accepted Value		-	-	-	0.041	0.97	1.23	10.00
ME89-1		-	-	-	<0.005	1.87	0.01	-
Number of Analyses		-	-	-	1	1	1	-
Mean Value		-	-	-	0.0025	1.868	0.012	-
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		-	-	-	-	1.96	-	-
ANALYTICAL BLANK		<1	<5	<1	-	-	-	-
Number of Analyses		1	1	1	-	-	-	-
Mean Value		0.5	2.5	0.5	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		5	5	5	<0.001	<0.01	<0.01	<0.01
WPR-1		41	271	247	-	-	-	-
Number of Analyses		1	1	1	-	-	-	-
Mean Value		40.7	271.0	247.3	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		42	285	235	-	-	-	-
BCC PULP STD.		-	-	-	0.028	4.81	<0.01	-
Number of Analyses		-	-	-	1	1	1	-
Mean Value		-	-	-	0.0284	4.811	0.005	-
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		-	-	-	-	5.00	-	11.40
CCU-1C		-	-	-	-	-	-	33.12
Number of Analyses		-	-	-	-	-	-	1
Mean Value		-	-	-	-	-	-	33.120
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		-	-	-	-	25.62	-	-

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT
REPORT: C02-61046.0 (COMPLETE) DATE RECEIVED: 04-APR-02 DATE PRINTED: 19-AVR-02 PAGE 3 DE 3

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Co PCT	Cu PCT	Ni PCT	S Tot PCT
HPE00411		3	<5	4	0.013	0.03	0.08	0.56
Duplicate								0.53
HPE00413					0.151	0.97	2.21	
Duplicate					0.148	0.95	2.16	
HPE00424		11	8	22	0.153	0.37	2.17	29.52
Duplicate					0.150	0.38	2.26	
HPE00442		12	10	57	0.191	0.76	2.70	35.22
Duplicate					0.193	0.73	2.64	
HPE00443		21	12	104	0.203	0.99	2.81	35.56
Duplicate		21	6	107				
HPE00446					<0.005	0.01	<0.01	
Duplicate					0.006	0.01	0.01	

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

151-05

CHIMITEC
BONDAR CLEGG

VANCOUVER BRANCH

Certificat D'Analyse
Assay Lab Report

ROCKWELL VENTURES INC.
MR ERIC TITLEY
1020 - 800 WEST PENDER ST
VANCOUVER, BC, CANADA
V6C 2V6

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

REPORT: C02-61095.0 (COMPLETE) REFERENCE: 170879

CLIENT: ROCKWELL VENTURES INC. SUBMITTED BY: Y, BOULIANNE
PROJECT: HAUT DATE RECEIVED: 11-APR-02 DATE PRINTED: 15-AVR-02

DATE APPROVED	ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
020415	1	Co	Co - GA50	47	0.005 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020415	2	Cu	Cu - GA50	47	0.01 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020415	3	Ni	Ni - GA50	47	0.01 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	47	-150	47	CRUSH/SPLIT & PULV.	45
				AS RECEIVED	2

REPORT COPIES TO: MR ERIC TITLEY
MR MARK REBAGLIATI

INVOICE TO: MR ERIC TITLEY

****

This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

BC CHIMITEC BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT

REPORT: C02-61095.0 (COMPLETE) DATE RECEIVED: 11-APR-02 DATE PRINTED: 15-AVR-02

SAMPLE NUMBER	ELEMENT UNITS	Co PCT	Cu PCT	Ni PCT	SAMPLE NUMBER	ELEMENT UNITS	Co PCT	Cu PCT	Ni PCT
HPE-00447		0.023	0.10	0.25	HPE-00487		0.045	0.19	0.55
HPE-00448		0.020	0.08	0.21	HPE-00488		0.045	0.22	0.57
HPE-00449		0.018	0.09	0.22	HPE-00489		0.032	0.16	0.37
HPE-00450		0.026	0.11	0.27	HPE-00490		0.025	0.08	0.27
HPE-00451		0.029	0.13	0.30	HPE-00491		0.030	0.16	0.35
HPE-00452		0.025	0.12	0.27	HPE-00492		0.044	0.22	0.53
HPE-00453		0.027	0.12	0.27	HPE-00493		0.023	0.11	0.24
HPE-00454		0.024	0.10	0.23					
HPE-00455		0.018	0.08	0.21					
HPE-00456		0.015	0.08	0.19					
HPE-00457		0.018	0.10	0.24					
HPE-00458		0.021	0.11	0.27					
HPE-00459		0.026	0.12	0.28					
HPE-00460		0.011	0.08	0.25					
HPE-00461		0.026	0.11	0.32					
HPE-00462		0.022	0.08	0.19					
HPE-00463		0.020	0.10	0.25					
HPE-00464		0.020	0.07	0.20					
HPE-00465		0.024	0.11	0.26					
HPE-00466		0.022	0.11	0.26					
HPE-00467		0.025	0.09	0.23					
HPE-00468		0.038	0.19	0.43					
HPE-00469		0.024	0.08	0.23					
HPE-00470		0.023	0.09	0.24					
HPE-00471		0.029	0.10	0.22					
HPE-00472		0.025	0.11	0.25					
HPE-00473		0.020	0.10	0.22					
HPE-00474		0.022	0.07	0.18					
HPE-00475		0.018	0.10	0.22					
HPE-00476		0.030	0.13	0.30					
HPE-00477		0.022	0.12	0.29					
HPE-00478		0.041	0.19	0.45					
HPE-00479		0.024	0.14	0.30					
HPE-00480		0.010	0.08	0.25					
HPE-00481		0.025	0.11	0.23					
HPE-00482		0.022	0.11	0.25					
HPE-00483		0.024	0.10	0.22					
HPE-00484		0.021	0.12	0.29					
HPE-00485		0.027	0.14	0.32					
HPE-00486		0.048	0.44	0.62					

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT
REPORT: C02-61095.0 (COMPLETE) DATE RECEIVED: 11-APR-02 DATE PRINTED: 15-AVR-02 PAGE 2 DE 3

STANDARD NAME	ELEMENT UNITS	Co PCT	Cu PCT	Ni PCT	STANDARD NAME	ELEMENT UNITS	Co PCT	Cu PCT	Ni PCT
ME89-1		<0.005	1.86	<0.01					
ME89-1		0.006	1.82	<0.01					
Number of Analyses		2	2	2					
Mean Value		0.0041	1.840	0.005					
Standard Deviation		0.00223	0.0278	0.0000					
Accepted Value		-	1.96	-					
SU-1A		0.040	0.94	1.22					
SU-1A		0.040	0.94	1.22					
Number of Analyses		2	2	2					
Mean Value		0.0399	0.937	1.218					
Standard Deviation		0.00003	0.0017	0.0040					
Accepted Value		0.041	0.97	1.23					

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT

REPORT: C02-61095.0 (COMPLETE) DATE RECEIVED: 11-APR-02 DATE PRINTED: 15-AVR-02 PAGE 3 DE 3

SAMPLE NUMBER	ELEMENT UNITS	Co PCT	Cu PCT	Ni PCT	SAMPLE NUMBER	ELEMENT UNITS	Co PCT	Cu PCT	Ni PCT
HPE-00447		0.023	0.10	0.25					
Duplicate		0.028	0.11	0.27					
HPE-00461		0.026	0.11	0.32					
Duplicate		0.026	0.11	0.32					
HPE-00475		0.018	0.10	0.22					
Duplicate		0.021	0.10	0.21					
HPE-00492		0.044	0.22	0.53					
Duplicate		0.046	0.23	0.53					

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

ROCKWELL VENTURES INC.
MR ERIC TITLEY
1020 - 800 WEST PENDER ST
VANCOUVER, BC, CANADA
V6C 2V6

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

REPORT: C02-61096.0 (COMPLETE) REFERENCE: 170879

CLIENT: ROCKWELL VENTURES INC. SUBMITTED BY: Y. BOULIANNE
PROJECT: HAUT DATE RECEIVED: 11-APR-02 DATE PRINTED: 16-AVR-02

DATE APPROVED	ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
020416	1	Co	Co - GA50	55	0.005 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020416	2	Cu	Cu - GA50	55	0.01 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020416	3	Ni	Ni - GA50	55	0.01 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	55	-150	55	CRUSH/SPLIT & PULV.	52
				AS RECEIVED	3

REPORT COPIES TO: MR ERIC TITLEY
MR MARK REBAGLIATI

INVOICE TO: MR ERIC TITLEY

****

This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated

****

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

BC CHIMITEC BONDAR CLEGG

ISO 9002 VANCOUVER BRANCH

Certificat D'Analyse
Assay Lab Report

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT

REPORT: C02-61096.0 (COMPLETE) DATE RECEIVED: 11-APR-02 DATE PRINTED: 16-AVR-02 PAGE 1 DE 3

SAMPLE NUMBER	ELEMENT UNITS	Co PCT	Cu PCT	Ni PCT	SAMPLE NUMBER	ELEMENT UNITS	Co PCT	Cu PCT	Ni PCT
HPE00494		0.038	0.18	0.43	HPE00534		0.007	0.06	0.14
HPE00495		0.045	0.24	0.51	HPE00535		0.028	0.35	0.44
HPE00496		0.035	0.18	0.41	HPE00536		0.025	0.21	0.27
HPE00497		0.058	0.37	0.61	HPE00537		0.024	0.63	0.29
HPE00498		0.030	0.15	0.35	HPE00538		0.022	0.35	0.39
HPE00499		0.031	0.26	0.39	HPE00539		0.054	0.31	0.66
HPE00500		0.007	0.08	0.25	HPE00540		0.012	0.08	0.24
HPE00501		0.036	0.20	0.40	HPE00541		0.006	0.03	0.05
HPE00502		0.023	0.13	0.35	HPE00542		0.028	0.25	0.32
HPE00503		0.022	0.14	0.30	HPE00543		0.010	0.01	0.03
HPE00504		0.049	0.17	0.54	HPE00544		0.010	0.10	0.27
HPE00505	151-05	0.031	0.10	0.29	HPE00545		0.008	0.04	0.12
HPE00506		0.020	0.11	0.25	HPE00546		0.015	0.05	0.09
HPE00507		0.021	0.10	0.21	HPE00547		0.034	0.33	0.52
HPE00508		0.023	0.09	0.21	HPE00548		0.006	0.04	0.09
HPE00509		0.010	0.06	0.12					
HPE00510		<0.005	0.06	0.14					
HPE00511		0.051	0.30	0.72					
HPE00512		0.035	0.40	0.53					
HPE00513		0.036	0.31	0.53					
HPE00514		0.091	0.22	1.28					
HPE00515		0.027	0.14	0.44					
HPE00516		0.018	0.08	0.16					
HPE00517		0.016	0.09	0.19					
HPE00518		0.026	0.09	0.26					
HPE00519		0.023	0.19	0.35					
HPE00520		0.009	0.08	0.26					
HPE00521		0.017	0.10	0.31					
HPE00522		0.007	0.06	0.06					
HPE00523		0.137	0.74	1.86					
HPE00524		0.012	0.07	0.09					
HPE00525		0.089	0.49	1.32					
HPE00526		0.154	2.75	2.17					
HPE00527		0.012	0.15	0.08					
HPE00528		0.038	0.54	0.52					
HPE00529		0.130	0.28	1.88					
HPE00530		0.015	0.07	0.18					
HPE00531		0.187	0.21	2.67					
HPE00532		0.016	0.08	0.22					
HPE00533		0.075	0.29	1.01					

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT

REPORT: C02-61096.0 (COMPLETE) DATE RECEIVED: 11-APR-02 DATE PRINTED: 16-AVR-02 PAGE 2 DE 3

STANDARD NAME	ELEMENT UNITS	Co PCT	Cu PCT	Ni PCT
SU-1A		0.041	0.96	1.25
SU-1A		0.039	0.95	1.21
Number of Analyses		2	2	2
Mean Value		0.0401	0.953	1.232
Standard Deviation		0.00088	0.0084	0.0293
Accepted Value		0.041	0.97	1.23
ME89-1		<0.005	1.88	0.02
ME89-1		<0.005	1.85	0.02
Number of Analyses		2	2	2
Mean Value		0.0025	1.862	0.016
Standard Deviation		0.00000	0.0221	0.0006
Accepted Value		-	1.96	-

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT

REPORT: C02-61096.0 (COMPLETE) DATE RECEIVED: 11-APR-02 DATE PRINTED: 16-AVR-02

SAMPLE NUMBER	ELEMENT UNITS	Co PCT	Cu PCT	Ni PCT
HPE00494		0.038	0.18	0.43
Duplicate		0.035	0.19	0.42
HPE00507		0.021	0.10	0.21
Duplicate		0.014	0.10	0.21
HPE00523		0.137	0.74	1.86
Duplicate		0.140	0.72	1.91
HPE00529		0.130	0.28	1.88
Duplicate		0.126	0.30	1.92
HPE00531		0.187	0.21	2.67
Duplicate		0.187	0.22	2.70

151-05

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

2006

BC CHIMITEC BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

ROCKWELL VENTURES INC.
MR MARK REBAGLIATI
1020 - 800 EST PENDER ST
VANCOUVER, BC CANADA
V6C 2V6

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

BC CHIMITEC BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

REPORT: C02-61097.0 (COMPLETE) REFERENCE: 170880

CLIENT: ROCKWELL VENTURES INC. SUBMITTED BY: Y. BOULIANNE

PROJECT: HAUT DATE RECEIVED: 11-APR-02 DATE PRINTED: 23-AVR-02

DATE APPROVED	ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
020416	1	Au	Gold - Fire Assay	1	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
020416	2	Pt	Platinum	1	5 PPB	FIRE ASSAY	FIRE ASSAY-DCP
020416	3	Pd	Palladium	1	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP
020416	4	Co	Co - GA50	71	0.005 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020416	5	Cu	Cu - GA50	71	0.01 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020416	6	Ni	Ni - GA50	71	0.01 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY
020416	7	S Tot	S (Total) - ST60	1	0.02 PCT		LECO

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	71	-150	71	CRUSH/SPLIT & PULV.	68
				AS RECEIVED	3

REPORT COPIES TO: MR ERIC TITLEY
MR MARK REBAGLIATI

INVOICE TO: MR ERIC TITLEY

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT
REPORT: C02-61097.0 (COMPLETE) DATE RECEIVED: 11-APR-02 DATE PRINTED: 23-AVR-02

STANDARD NAME	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Co PCT	Cu PCT	Ni PCT	S Tot PCT
ME89-1		-	-	-	<0.005	1.83	<0.01	-
ME89-1		-	-	-	<0.005	1.83	0.01	-
Number of Analyses		-	-	-	2	2	2	-
Mean Value		-	-	-	0.0025	1.829	0.009	-
Standard Deviation		-	-	-	0.00000	0.0023	0.0060	-
Accepted Value		-	-	-	-	1.96	-	-
SU-1A		-	-	-	0.040	0.95	1.23	-
SU-1A		-	-	-	0.039	0.95	1.22	-
SU-1A		-	-	-	0.041	0.96	1.21	-
Number of Analyses		-	-	-	3	3	3	-
Mean Value		-	-	-	0.0400	0.952	1.220	-
Standard Deviation		-	-	-	0.00118	0.0098	0.0110	-
Accepted Value		-	-	-	0.041	0.97	1.23	10.00
UTS-1		-	-	-	-	-	-	1.05
Number of Analyses		-	-	-	-	-	-	1
Mean Value		-	-	-	-	-	-	1.050
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	1.00
ANALYTICAL BLANK		<1	<5	<1	-	-	-	-
Number of Analyses		1	1	1	-	-	-	-
Mean Value		0.5	2.5	0.5	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		5	5	5	<0.001	<0.01	<0.01	<0.01
ST 248		881	98	636	-	-	-	-
Number of Analyses		1	1	1	-	-	-	-
Mean Value		881.0	98.0	636.0	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-
Accepted Value		1010	91	635	-	-	-	-

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

BC CHIMITEC BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT

REPORT: C02-61097.0 (COMPLETE) DATE RECEIVED: 11-APR-02 DATE PRINTED: 23-AVR-02

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Co PCT	Cu PCT	Ni PCT	S Tot PCT
HPE00549					0.013	0.02	0.08	
HPE00550					0.102	0.19	1.50	
HPE00551					0.018	0.15	0.15	
HPE00552					0.010	0.24	0.08	
HPE00553					<0.005	0.03	0.09	
HPE00554					0.178	0.33	2.56	
HPE00555					0.016	0.12	0.20	
HPE00556					0.156	0.35	2.48	
HPE00557					0.011	0.05	0.14	
HPE00558					<0.005	<0.01	0.01	
HPE00559					0.024	0.07	0.19	
HPE00560					0.006	0.08	0.24	
HPE00561					0.014	0.05	0.14	
HPE00562					0.015	0.09	0.18	
HPE00563					0.023	0.16	0.28	
HPE00564					0.010	0.04	0.10	
HPE00565					0.023	0.19	0.37	
HPE00566					0.020	0.23	0.30	
HPE00567					0.032	0.15	0.44	
HPE00568					0.012	0.01	0.05	
HPE00569					0.016	0.01	0.06	
HPE00570					0.012	0.07	0.19	
HPE00571					0.018	0.07	0.16	
HPE00572					0.013	0.05	0.15	
HPE00573					0.013	0.04	0.11	
HPE00574					0.015	<0.01	0.05	
HPE00575					0.012	<0.01	0.01	
HPE00576					0.014	0.07	0.19	
HPE00577					0.014	0.05	0.15	
HPE00578					0.019	0.08	0.21	
HPE00579					0.013	0.06	0.19	
HPE00580					0.009	0.08	0.24	
HPE00581					0.020	0.11	0.25	
HPE00582					0.012	0.22	0.22	
HPE00583					0.017	0.06	0.11	
HPE00584					0.018	0.03	0.05	
HPE00585					0.008	0.03	0.08	
HPE00586					0.007	0.08	0.19	
HPE00587					0.019	0.09	0.20	
HPE00588					0.009	0.09	0.21	

2006

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT
REPORT: C02-61097.0 (COMPLETE) DATE RECEIVED: 11-APR-02 DATE PRINTED: 23-AVR-02 PAGE 2 DE 4

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Co PCT	Cu PCT	Ni PCT	S Tot PCT
HPE00589					0.020	0.08	0.19	
HPE00590					0.011	0.02	0.06	
HPE00591					0.011	0.02	0.08	
HPE00592					0.018	0.06	0.15	
HPE00593					0.008	0.03	0.09	
HPE00594					<0.005	0.06	0.13	
HPE00595	2006	1	<5	<1	0.015	<0.01	0.04	<0.02
HPE00596					<0.005	0.04	0.05	
HPE00597					<0.005	0.02	0.01	
HPE00598					0.015	0.19	0.39	
HPE00599					0.009	0.02	0.02	
HPE00600					<0.005	0.07	0.25	
HPE00601					0.009	0.02	0.06	
HPE00602					0.006	0.04	0.10	
HPE00603					<0.005	0.01	0.03	
HPE00604					0.012	0.01	0.03	
HPE00605					0.020	0.17	0.25	
HPE00606					0.008	0.04	0.09	
HPE00607					0.084	0.75	1.47	
HPE00608					0.024	0.07	0.07	
HPE00609					0.010	0.03	0.03	
HPE00610					0.014	0.08	0.11	
HPE00611					0.012	0.08	0.15	
HPE00612					0.012	0.03	0.02	
HPE00613					0.010	0.19	0.23	
HPE00614					<0.005	0.05	0.05	
HPE00615					0.038	0.17	0.51	
HPE00616					<0.005	0.05	0.05	
C-2001A					<0.005	0.01	0.06	
C-2001B					0.013	0.02	0.07	
C-2004A					0.015	0.06	0.12	

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

CHIMITEC
BONDAR CLEGG

Certificat D'Analyse
Assay Lab Report

CLIENT: ROCKWELL VENTURES INC. PROJECT: HAUT

REPORT: C02-61097.0 (COMPLETE) DATE RECEIVED: 11-APR-02 DATE PRINTED: 23-AVR-02

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Co PCT	Cu PCT	Ni PCT	S Tot PCT
HPE00550					0.102	0.19	1.50	
Duplicate					0.102	0.19	1.49	
HPE00554					0.178	0.33	2.56	
Duplicate					0.177	0.34	2.71	
HPE00556					0.156	0.35	2.48	
Duplicate					0.169	0.35	2.41	
HPE00595		1	<5	<1	0.015	<0.01	0.04	<0.02
Duplicate					0.015	<0.01	0.03	<0.02
HPE00607					0.084	0.75	1.47	
Duplicate					0.079	0.73	1.45	
HPE00615					0.038	0.17	0.51	
Duplicate					0.042	0.18	0.54	
C-2004A					0.015	0.06	0.12	
Duplicate					0.016	0.06	0.14	

2006

Chimitec - Bondar Clegg
1322-B rue Harricana, Val d'Or, Québec, J9P 3X6
Tél: (819) 825-0178, Fax: (819) 825-0256

APPENDIX 4

NICKEL CONCENTRATIONS BACK CALCULATED TO 100% SULPLHIDE

Vn = Massive Sulphide Breccia Veins

Mx = Matrix Sulphide – disseminated and net texture

I 3 J = Niorite

I 3 K = Olivine Gabbronorite

I 3E – Mx = Granulitic Gabbro – Forgues

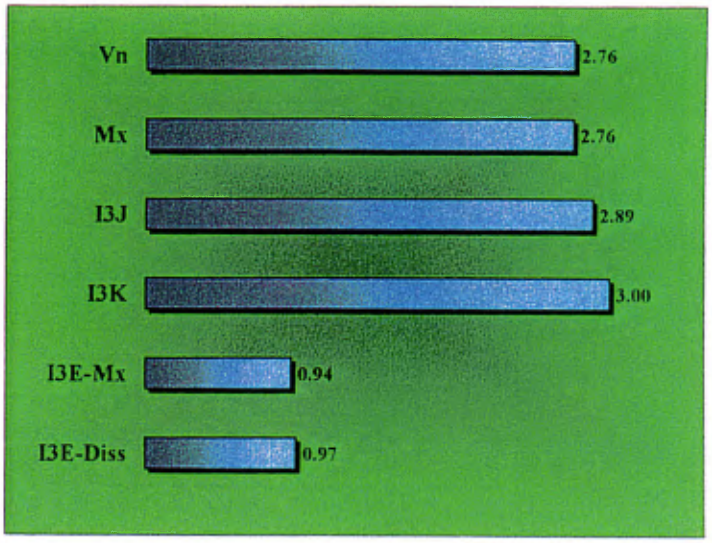
I 3E – Diss = Granulitic Gabbro - PYC

Table showing how the method works (Naldrett & Li)

		Mineralized rock -1-
DDH		718-217
From		35
To		36.5
Rock type		Peridotite
Ni %	Analytical result for Ni in %	1.49
Cu %	Analytical result for Cu in %	0.10
Co %	Analytical result for Co in %	0.03
*Fe% *	*May or may not be available (not necessary)*	13.70
S% (>3%)	Analytical result for S in %	4.88
Au ppm	Analytical result for Au in ppm	0.07
Pt ppm	Analytical result for Pt inppm	0.47
Pd ppm	Analytical result for Pd in ppm	0.73

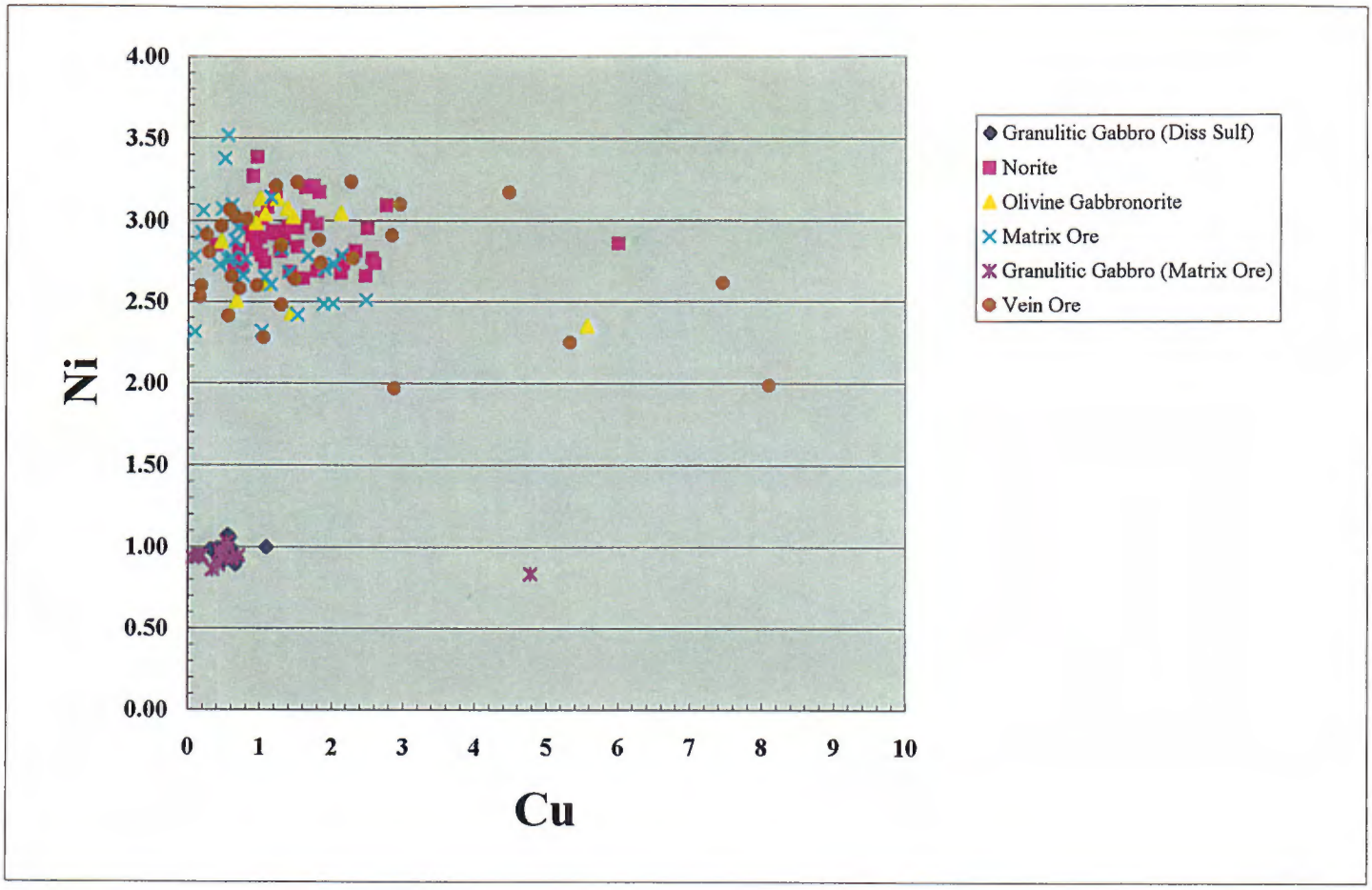
1) Formulaes	Atomic weights	Results
Ni at wt = 58.69		
Cu at wt = 63.546		
Fe at wt = 55.847		
S at wt = 32.066		
Pn - Pentlandite (Ni4,73Fe4,27)S8	(277,604 g: 238,467 g) : 256,528 g	
Cp - Chalcopyrite (CuFe)S2	(63,547g: 55,846 g) : 64,132 g	
*Po- Pyrrhotite Fe9S10 mono	502.623 g: 320.66 g	Raglan has monoclinic Po
Po - Pyrrhotite Fe8S9 hex	446.8 g: 288.594 g	
2) Calculate Fewt% in minerals		
Fe calc Pn Atwt%=(at. wt Fe/at. wt Ni)	238.467/277.604	0.8590
Fe calc Cp = (at. wt Fe/at. wt Cu)	55.846/63.547	0.8788
Fe calc Po (at. wt Fe/at. wt S)mono	502.623/320.66	1.5675
3) Use Ni to build pentlandite – determine volume percent S used (SNi)		
volume percent S used (SNi)	(256,528 g S/277,604 g Ni)* Ni in rock	1.37688
4) Use Cu to build chalcopyrite – determine volume percent S used (SCu)		
volume percent S used (SCu)	(64,132 g S/63,547 g Cu)* Cu in rock	0.10092
5) Calculate total S used to make pentlandite and chalcopyrite:		
(SNi + SCu)	3)+4)	1.47780
6) S remaining to build pyrrhotite		
S in Pyrrhotite	Srock– (Sni+Scu)	3.40220
7) Determine volume % of minerals:		
Pn tt	Nirock + (B26*Nirock)+B31	4.147
Cp tt	Curock + (B27*Curock)+B33	0.289
Po tt	B37 + (C28*B37)	8.735
8) Determine Factor		
Factor	(1/ (Pntt+Cptt+Pott))*100	7.593
9) Multiply rock analylisis by factor for recalculated values		
Ni 100%	Ni rock * factor	11.313
Cu 100%	Cu rock * factor	0.759
Co 100%	Co rock * factor	0.235
Au 100%	Au rock * factor	0.531
Pd 100%	Pd rock * factor	5.543
Pt 100%	Pt rock * factor	3.569
SMSS	S rock * factor (for checquing should be 35 to 39)	37.052

10) Calculate Ni in Olivine (if needed)		
% Olivine in rock	Ol Pyroxenite	40
Partition coefficient of Olivine	For Raglan	30
(Ni/Fe)sulfide	Ni at wt / Fe calc in sulfide	0.008
(Ni/Fe)olivine	Ni/Fe sulphide / Partition coefficient	0.000
Ni olivine if Fo85	(see tale ol for Fecompo) /% Ol in rock	0.00275
Ni true value	Ni sulfides - Ni in olivine	**1.487**



	Granulitic Gabbro		*Olivine*	*Norite*	*Matrix*	*Vein*
	Diss. Ore	*Matrix Ore*	*Gabbronorite*		*Ore*	*Ore*
Mean	0.968	0.934	2.847	2.902	2.741	2.739
Standard Error	0.010	0.013	0.085	0.026	0.066	0.064
Median	0.971	0.939	3.004	2.892	2.757	2.764
Standard Deviation	0.044	0.050	0.293	0.174	0.357	0.347
Sample Variance	0.002	0.002	0.086	0.030	0.127	0.120
Kurtosis	0.748	0.852	-1.190	0.196	3.007	-0.137
Skewness	0.510	-0.368	-0.779	0.734	-0.667	-0.562
Range	0.182	0.196	0.784	0.741	1.908	1.266
Minimum	0.89	0.83	2.35	2.64	1.61	1.97
Maximum	1.07	1.03	3.13	3.38	3.51	3.23
Sum	20.33	13.08	34.17	130.58	79.49	79.42
Count	21	14	12	45	29	29
Confidence Level (95.0%)	0.020	0.029	0.186	0.052	0.136	0.132

	I3E-Diss	*I3E-Mx*	*I3K*	*I3J*	*Mx*	*Vn*
Ni 100% Sulf. (median)	0.97	0.94	3.00	2.89	2.76	2.76
Ni 100% Sulf. (mean)	0.97	0.93	2.85	2.90	2.75	2.74


4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
Ni
0
1
2
3
4
5
6
7
8
9
10
Cu
Granulitic Gabbro (Diss Sulf)
Norite
Olivine Gabbronorite
Matrix Ore
Granulitic Gabbro (Matrix Ore)
Vein Ore

Rx code	*Ni ppm*	*Cu ppm*	*Co ppm*	*Au ppb*	*Pt ppb*	*Pd ppb*	*S %*	*Ni 100% Sulphide*	*Cu 100% Sulphide*
Mx	2584	952	198	98	-5	11	2.96	3.14	1.16
Mx	3997	914	318	4	-5	7	5.00	2.88	0.66
Mx	11660	1831	830	19	-5	27	13.67	3.07	0.48
Mx	22500	3632	1542	58	-5	63	29.70	2.73	0.44
Mx	27400	4372	1855	17	-5	69	28.07	3.51	0.56
Mx	23600	3606	1564	21	-5	49	25.17	3.38	0.52
Mx-I3E	2615	1212	577	1	-5	4	9.71	0.97	0.45
Mx-I3E	5444	1108	1204	14	16	15	20.81	0.94	0.19
Mx-I3E	2461	1642	558	18	-5	5	9.57	0.93	0.62
Mx-I3E	7270	1147	1555	7	7	14	27.72	0.94	0.15
Mx-I3E	4150	2178	931	17	-5	17	15.80	0.95	0.50
Mx-I3E	2428	1821	572	4	-5	8	9.26	0.94	0.71
Mx-I3E	2173	1099	471	4	11	4	8.36	0.94	0.47
Mx-I3E	2099	1126	477	4	-5	15	7.35	1.03	0.55
Mx-I3E	1250	702	318	1	-5	4	4.53	0.99	0.56
Mx-I3E	3340	1670	772	10	-5	14	12.83	0.94	0.47
Mx-I3E	4442	2163	952	-1	8	4	18.00	0.89	0.43
Mx-I3E	6210	510	1360	6	-5	4	23.95	0.93	0.08
Mx-I3E	4211	1685	955	56	-5	44	17.68	0.86	0.34
Mx-I3E	1764	10135	367	-1	-5	7	7.63	0.83	4.78
Vn	15810	1078	1215	3	-5	40	22.51	2.53	0.17
Vn	9226	972	714	4	-5	8	11.84	2.81	0.30
Vn	24400	3853	1743	11	-5	46	29.65	2.96	0.47
Vn	6320	3565	520	1	7	6	8.62	2.64	1.49
Vn	18937	4325	1371	9	-5	27	25.68	2.65	0.61
Vn	17383	1223	1279	16	-5	22	24.08	2.60	0.18
Vn	5682	13473	474	84	-5	431	9.10	2.25	5.33
Vn	14672	7701	1091	48	-5	22	21.32	2.48	1.30
Vn	5846	2710	490	-1	-5	5	9.25	2.28	1.05
Vn	3710	5240	310	6	-5	6	4.21	3.17	4.48
Vn	27200	2419	1920	4	-5	50	33.61	2.91	0.26
Vn	9411	3584	696	5	-5	15	10.56	3.21	1.22
Vn	3841	849	325	3	-5	10	4.58	3.02	0.67
Vn	19208	5376	1434	-1	-5	25	26.83	2.58	0.72
Vn	11041	5191	808	26	-5	29	12.30	3.23	1.52
Vn	6176	3911	441	6	-5	5	7.72	2.88	1.82
Vn	9704	6568	647	10	301	33	12.76	2.74	1.85
Vn	17982	8241	1310	27	-5	32	22.76	2.84	1.30
Vn	25200	4771	1750	23	-5	55	29.62	3.06	0.58
Vn	2324	636	286	4	-5	9	2.78	3.01	0.82
Vn	2118	2073	277	7	-5	4	2.62	2.91	2.85
Vn	13729	13110	970	18	15	46	15.96	3.10	2.96
Vn	2192	6254	227	4	-5	8	3.02	2.61	7.46
Vn	17095	12046	1235	12	-5	24	19.04	3.23	2.28
Vn	18164	6747	1426	7	-5	20	25.18	2.60	0.96
Vn	2150	1791	235	18	-5	7	2.80	2.76	2.30
Vn	15759	23100	1401	20	25	13	28.85	1.97	2.88
Vn	14110	3322	1307	14	6	11	21.10	2.41	0.57
Vn	2529	10330	296	29	-5	461	4.59	1.98	8.10

Rx code	*Ni ppm*	*Cu ppm*	*Co ppm*	*Au ppb*	*Pt ppb*	*Pd ppb*	*S %*	*Ni 100% Sulphide*	*Cu 100% Sulphide*
I3J	5081	2010	367	4	-5	13	6.67	2.74	1.08
I3J	8756	2820	656	17	10	25	10.73	2.94	0.95
I3J	5165	2789	396	7	11	14	6.55	2.84	1.53
I3J	9447	2920	700	11	-5	31	11.71	2.90	0.90
I3J	8035	4474	562	7	-5	9	9.57	3.02	1.68
I3J	4840	1647	415	3	-5	13	6.18	2.82	0.96
I3J	3681	1897	309	3	-5	7	4.14	3.20	1.65
I3J	2594	1418	218	2	-5	5	2.91	3.21	1.75
I3J	3626	1413	300	1	-5	8	4.16	3.14	1.22
I3J	2779	1125	248	-1	-5	7	3.43	2.92	1.18
I3J	2737	1130	244	5	-5	8	3.36	2.93	1.21
I3J	6823	3632	526	22	331	31	9.15	2.68	1.43
I3J	3620	7615	293	10	-5	12	4.56	2.86	6.01
I3J	6747	6293	453	16	-5	23	8.78	2.77	2.58
I3J	5367	1507	377	8	-5	15	6.51	2.97	0.83
I3J	3111	1880	292	10	19	12	3.76	2.98	1.80
I3J	4019	2326	330	6	-5	13	4.56	3.17	1.84
I3K	3533	1116	272	3	-5	10	4.26	2.99	0.94
I3K	4684	1656	385	3	-5	14	5.55	3.04	1.07
I3K	3278	1297	278	2	-5	8	3.77	3.13	1.24
I3K	2569	1162	243	2	5	3	3.01	3.07	1.39
I3K	7712	1249	618	5	99	28	9.67	2.87	0.46
I3K	2846	1376	252	2	-5	5	3.39	3.02	1.46
I3K	7056	2911	533	63	-5	30	9.74	2.61	1.08
I3K	3689	1001	316	3	-5	18	5.31	2.50	0.68
I3K	12028	3876	955	10	-5	37	13.84	3.13	1.01
I3K	4320	10253	397	11	-5	8	6.63	2.35	5.57
I3K	2992	2093	280	4	-5	5	3.54	3.04	2.13
I3K	3439	2056	356	1	-5	6	5.11	2.42	1.45
Mx	7319	5179	567	70	16	21	9.75	2.70	1.91
Mx	16513	3411	1206	10	5	26	21.56	2.76	0.57
Mx	19706	1312	1475	10	5	53	24.25	2.93	0.19
Mx	19071	607	1389	22	5	63	24.70	2.78	0.09
Mx	3649	2785	304	10	-5	5	5.29	2.48	1.90
Mx	6516	1435	526	6	-5	6	8.46	2.77	0.61
Mx	5662	4346	469	48	12	13	7.32	2.78	2.14
Mx	7139	2880	605	13	-5	77	9.69	2.65	1.07
Mx	25200	7282	1902	202	-5	187	34.11	2.66	0.77
Mx	27800	16693	2131	25	-5	62	35.96	2.78	1.67
Mx	6699	1330	547	8	-5	14	7.80	3.09	0.61
Mx	2372	687	268	9	-5	7	3.09	2.76	0.80
Mx	11396	5048	747	8	5	13	15.74	2.61	1.15
Mx	5900	2622	395	30	8	16	9.17	2.32	1.03
Mx	5539	3515	451	43	-5	11	8.25	2.42	1.53
Mx	2754	189	250	4	-5	3	3.24	3.06	0.21
Mx	14484	628	1101	2	-5	14	22.55	2.31	0.10
Mx	19413	10234	1458	20	152	40	26.06	2.68	1.41
Mx	23400	10848	1673	13	9	33	29.81	2.83	1.31
Mx	7077	5743	564	16	6	12	10.25	2.49	2.02
Mx	23600	5634	1667	16	6	91	28.75	2.96	0.71
Mx	5213	5158	407	6	-5	12	7.48	2.51	2.48
Mx	2957	2211	251	14	-5	10	3.90	2.73	2.04
Mx	3386	38000	317	76	-5	8	7.59	1.61	18.02

Rx code	*Ni ppm*	*Cu ppm*	*Co ppm*	*Au ppb*	*Pt ppb*	*Pd ppb*	*S %*	*Ni 100% Sulphide*	*Cu 100% Sulphide*
I3E	1901	1169	456	3	-5	5	6.92	0.99	0.61
I3E	1696	649	407	4	-5	5	6.35	0.96	0.37
I3E	951	399	251	1	-5	2	3.45	0.99	0.42
I3E	2877	933	655	16	-5	9	10.54	0.98	0.32
I3E	1096	627	269	6	-5	4	4.23	0.93	0.53
I3E	2579	1280	610	5	-5	6	9.70	0.96	0.48
I3E	1583	888	405	3	-5	5	5.39	1.06	0.59
I3E	776	438	205	3	-5	4	2.93	0.95	0.54
I3E	2647	1520	608	4	16	6	10.35	0.92	0.53
I3E	1149	613	273	4	-5	3	4.17	0.99	0.53
I3E	1158	654	309	2	-5	3	4.25	0.98	0.55
I3E	2059	843	490	11	-5	10	7.58	0.98	0.40
I3E	4157	2960	977	23	-5	114	15.90	0.94	0.67
I3E	1818	2016	395	10	-5	16	6.58	0.99	1.10
I3E	678	508	183	-1	-5	3	2.75	0.89	0.67
I3E	811	609	210	2	-5	4	3.17	0.92	0.69
I3E	761	334	204	-1	-5	2	2.82	0.97	0.43
I3E	1581	840	347	4	-5	8	6.27	0.91	0.48
I3E	968	546	232	4	-5	2	3.51	0.99	0.56
I3E	860	455	201	2	-5	3	3.26	0.95	0.50
I3E	1058	555	254	-1	11	4	3.56	1.07	0.56
I3J	2469	2056	211	4	-5	6	3.16	2.81	2.34
I3J	7728	4721	683	23	-5	18	10.53	2.64	1.61
I3J	4901	1164	431	5	-5	17	6.44	2.74	0.65
I3J	5835	805	451	5	-5	24	7.37	2.85	0.39
I3J	3617	2440	280	9	-5	9	4.85	2.68	1.81
I3J	5994	2226	412	8	-5	12	7.74	2.79	1.04
I3J	2780	1442	231	5	23	9	3.39	2.95	1.53
I3J	2596	2325	218	6	9	7	3.02	3.09	2.77
I3J	2627	950	211	2	-5	5	3.07	3.08	1.11
I3J	3308	1342	269	3	-5	7	4.06	2.93	1.19
I3J	4011	1902	317	4	-5	9	4.88	2.96	1.40
I3J	4182	1200	342	6	5	10	4.45	3.38	0.97
I3J	4687	4473	373	6	-5	12	6.17	2.73	2.61
I3J	2877	805	239	3	-5	7	3.17	3.27	0.91
I3J	3141	2675	282	4	-5	7	3.83	2.95	2.51
I3J	3758	1193	309	3	-5	8	4.55	2.97	0.94
I3J	3889	1335	314	2	-5	10	4.65	3.01	1.03
I3J	3848	1353	317	4	-5	10	4.79	2.89	1.02
I3J	3602	1727	291	8	-5	9	4.39	2.95	1.42
I3J	5778	4624	396	74	-5	27	7.78	2.67	2.14
I3J	6115	2812	378	12	8	20	7.84	2.81	1.29
I3J	5874	2310	411	10	-5	15	7.71	2.74	1.08
I3J	5619	4461	407	7	-5	11	7.40	2.73	2.17
I3J	5124	4052	399	4	-5	9	6.69	2.76	2.18
I3J	12106	3091	767	21	-5	46	15.47	2.82	0.72
I3J	11111	10400	750	27	-5	26	15.05	2.66	2.49
I3J	5013	1398	380	3	-5	16	6.65	2.71	0.76
I3J	4281	1996	318	3	-5	9	5.34	2.89	1.35

APPENDIX C

T.H.E.M. HELICOPTER-BORNE EM AND MAG REPORT, 2002

Logistics and Processing Report of the Airborne Magnetic and THEM Electromagnetic Multi-Coil Survey over the Haut Plateau Property, Quebec

Client: Falconbridge Limited
3296 Francis Hughes Avenue
Laval, Quebec, H7L 5A7

Date: May 2002

Table of Contents

1. Introduction.....1

2. Survey and System Specifications.....1

2.1 Location of Survey Area.....1

2.2 System Specification.....1

2.3 Survey Specifications.....2

3. Survey Operations and Production.....3

3.1 Survey Operations.....3

3.2 Production Statistics.....3

4. Data Compilation and Processing.....3

4.1 Flight Path.....3

4.2 Total Magnetic Field Data.....4

4.3 Electromagnetic Data.....4

5. Interpretation and Conclusions.....6

5.1 Interpretation.....6

5.2 Conclusions.....7

6. Recommendations.....7

APPENDIX A.....8

APPENDIX B.....11

List of Figures and Maps

Figures

Figure 1: Proposed Survey outline for the Haut Plateau heliborne THEM time-domain EM survey – 2002 (UTM NAD27 / Zone 19)

Maps

Map 1: Flight path map for the proposed 2002 heliborne THEM survey

Map 2: Color contour total magnetic field map with flight paths

Map 3: EM anomaly picks with flight paths

Map 4: EM anomaly picks with total magnetic field and flight path

Tables

Table 1: EM channel window times in milliseconds (ms)

Table 2: Production Report

Table 3: EM Anomaly Picks

1. Introduction

Between May 12 and June 1, 2002 an electromagnetic and magnetic survey was flown over the Haut Plateau property just to the east of Lac Manicouagan, Quebec by THEM Geophysics Inc. on behalf of HD. A total of 1564 line kilometers of data were collected.

The data was processed in house by Falconbridge Limited staff and is presented as maps of total field magnetics, flight paths, stacked profiles of dB/dt Z-component channels 16, 18, and 20 and EM anomaly picks. Attached with the report is also a digital copy of the processed EM, total field magnetics data in geosoft archive format.

2. Survey/System Specifications

2.1 Location of the Survey Area

Figure 1 outlines the location of the proposed THEM survey over the Haut Plateau property. The center of the survey area was located approximately 300 kms north of Baie Comeau, Quebec and 65 kms to the east of Lac Manicouagan. A temporary camp along the eastern edge of Petit Lac Manicouagan, located adjacent to the survey area, was used as a base of operation to fly the survey.

2.2 System Specifications

THEM system:

- **Transmitter**
  - The THEM transmitter consists of a 10m diameter two turn aluminum loop suspended directly below the helicopter. The transmitter is driven by a by a transmitter mounted APU. Other specification of the transmitter are as follows:
    - pulse width – 4.82 ms
    - base frequency – 30Hz
    - peak current output – 1150 Amps
    - peak moment – 210,000 NIA
    - effective area – 95 m^2
    - loop diameter – 10.8 m^2

- **Receiver**
  - The THEM receiver consists of 2 orthogonal receiver coils used to measure both the vertical Z-component and the horizontal X-component (in the survey direction) of the transmitted EM signal. The coil pair is encased within a helium filled blimp which is towed at a distance of 75m directly behind the transmitter system.
    - Effective area of coils – 0.25 m^2
    - Tx-Rx separation – 78 m
    - Number of turns – 270

- Preamp gain settings – 500/1000

- **Data Acquisition System (DAS)**
  - The T.H.E.M. DAS system consists of a fast-sampling (1024 points per half-cycle) ADC (Analogue-to Digital Converter). Four channels of EM, magnetics, altimeter, time, fiducials, current monitor, and GPS will all be recorded digitally and displayed in real-time on the T.H.E.M.-developed visual display.
  - The new DAS system is designed to run on a windows 2000 platform and has built in diagnostics tools to test and detect potential problems with the in-flight received signal.

- **Altimeter**
  - A Terra Trimble radar altimeter with approximately 0.5 m accuracy up to 500 m was employed and included in the digital archive.

- **Magnetometer**
  - A Geometics G822 cesium-vapour optical-pump magnetometer was used with a sampling rate of 60Hz and an accuracy of approximately 0.2 nT.
  - A magnetic base-station was also operated within the survey area. The sensor had a sensitivity of better than 0.1 nT and was located near the operation base camp where sources of man-made noise did not exceed 0.5 nT. Analog and digital recordings of the ground magnetometer were made during times of survey data acquisition. Flying operations were terminated during times of diurnal variations greater than 10 nT over a 2 minute chord.

2.3 Survey Specifications

- **Altitude:**
  - The magnetometer sensor – terrain clearance 65m
  - The EM transmitter-receiver – terrain clearance 50m
  - The helicopter - terrain clearance of 75m

- **Line direction:**
  - North 45°/ 225°

- **Line spacing:**
  - 200 meters – the distance will not exceed 1.4 times the line spacing

- **Diurnal Variations:**
  - Acceptable variations were limited to 10 nT deviation over a 1 minute period.

- **Noise Levels:**
  - The noise envelope on the magnetic data was not to exceed +/- 0.25 nT
  - The noise envelope on the raw EM channel 20 was not to exceed +/- 150 ppm

3. Survey Operations and Production

3.1 Survey Operations

The THEM heliborne total field magnetics and EM survey was carried out between May 12th and June 1st, 2002. Crew included one helicopter pilot and one aviation engineer, one operator/party chief, one electronics engineer, one field technician, one geophysicist, one camp manager and one camp cook.

3.2 Production Statistics

A complete record of survey statistics are provided in APPENDIX A and summarized below:

- Total planned line kilometers
  - 3200 line kilometers
- Total line kilometers completed
  - 1564 line kilometers
- Total production days
  - 6.5 days
- Total weather days
  - 10 days
- Total setup / technical problem days
  - 3 days

Note: The THEM Geophysics crew demobilized on June 2nd, 2002 due to poor weather and without successfully completing the proposed 3200-line kilometer of survey as outlined.

4. Data Compilation, Processing and Presentation

The following covers the preparation and presentation of the products. Each product has been presented on a map sheet at 1:50,000. All products use a digital topographic base prepared from 1:50,000 scale NTS topographic maps. All maps are plotted using the NAD27 Zone 19 projection.

4.1 Flight Path

The flight path recovery was carried out by THEM Geophysics using a real-time differentially corrected Global Positioning System (GPS). The final flight paths are presented on a digital topographic base. Each line is labeled and annotated with fiducial labels every 1000 fids (approximately 100 seconds). On all maps the UTM registration grid has been plotted using 10,000 m intervals.

4.2 Total Magnetic Field

The total magnetic field measured during the survey was corrected for diurnal magnetic field variations. The data was then edited for spikes and partially leveled by Falconbridge geophysical staff. The total field magnetic field data was then minimum curvature gridded with 50 m cell size and contoured at 5 nT (gammas) interval. Data are presented as black-line contours on a coloured image with flight paths and a Geosoft format total magnetic field grid file has also been supplied. Further work is required to fully level the total magnetic field data, however, this has not been possible due to the lack of tie lines over the survey area.

4.3 Electromagnetic Data

The THEM heliborne TEM data was compiled and processed by Falconbridge geophysical staff. The data was processed using the THEM Extractor processing software and summarized as follows:

Step 1: GPS synchronization

Raw GPS data in THEM data files is not synchronized to the data Frame Count (the basic fiducial unit) and must be synchronized before it can be output with processed data.

Step 2: Spike removal of spherics and high frequency noise

The spike removal filter uses a wavelet-based filter to remove high frequency noise as well as single event noise sources such as spherics from the off-time data. A safety margin of 1/64 of a frame size (8 points for a frame size of 1024 points) after the pulse turn-off prevents the high-frequency content of the turn-off from being corrupted.

Step 3: Baseline restoration

Low-frequency shifts in the data due to the movement of receiver coils in the Earth's magnetic field must be removed before the data can be windowed and profiles made. The main method for restoring the baseline is to fit a curve to the low frequency data using the late off-time as a reference, and then subtract this curve from the data in the time-domain and is referred to as the "SIMn" method of restoration.

Step 4: Data Stacking

The THEM data is stacked so that 2 half-cycles are stacked to produce one stacked half-cycle. At a base frequency of 30 Hz and 60 pulses per second, stacking results in 30 windowed and stacked points per second block. These points are then filtered and decimated to give 10 points per second.

Step 5: Compensation of data using a calculated reference waveform

A compensation filter is applied to the full waveform data using a reference waveform. The reference waveform is defined by using the average waveform calculated from altitude tests or from the entire survey flight. This reference waveform is then subtracted from the raw data to remove the primary signal from the collected data.

Step 6: Windowing of EM data

Subsequent to stacking and compensation the THEM TEM coil data for X and Z components are then windows at selected interval throughout the off-time (the period following the transient pulse) to obtain a close representation of the transient off-time waveform. The following is a list of window setting that was specified for the processing of the THEM EM for this survey. These channels are based on the follow specification:

1. 30 Hz base survey frequency
2. 4.82 ms pulse width
3. Full waveform sampling of 1024 samples per half-cycle (~12.34 kHz sampling frequency).

Table 1: EM channel window times in milliseconds (ms)

Channel Number	Start Point	Start Time (ms)	End Point	End Time (ms)
1	34	.55	36	.59
2	36	.59	38	.62
3	140	2.28	142	2.31
4	142	2.31	144	2.34
5	288	4.69	290	4.72
6	290	4.72	292	5.21
7	320	5.21	325	5.29
8	325	5.29	330	5.37
9	330	5.37	335	5.45
10	335	5.45	357	5.81
11	357	5.81	379	6.17
12	379	6.17	401	6.53
13	401	6.53	434	7.06
14	434	7.06	467	7.60
15	467	7.60	500	8.14
16	500	8.14	566	9.21
17	566	9.21	632	10.29
18	632	10.29	698	11.36
19	698	11.36	848	13.8
20	848	13.8	998	16.24

Note: The start point '0' is located at the beginning of the half-cycle waveform. To determine the exact location of the windows relative to the start of the off-time it is required that 4.82 ms (pulse width) be subtracted from each start/end time.

5. Interpretation and Conclusions

5.1 Interpretation

The results of the THEM heliborne TEM survey are summarized in Table 3 of APPENDIX B. The list of EM anomaly picks and anomaly prioritizations were selected mainly on the response characteristics of time-domain EM systems to high conductance Ni-Cu sulphide mineralization. Standard off-time TEM systems are designed to measure changes in the B-field component of the induced electromagnetic field over time. The shape of the transmitted signal has significant impact on the observed response and the type of targets being detected. With the standard TEM system, measurements are taken during the off-time component of the transmitted signal and measure the rate of change of decay of any induced secondary electromagnetic fields. Measurements are taken along the waveform using selected time windows as outlined in Table 1. Using this data it is possible to calculate the time constants needed to estimate the overall target conductance for observed anomalies. It is important to note that if potential conductor time constants are significantly longer than the half-cycle base frequency used, in this case 16.667 ms, it is possible that the system will not detect conductors having time constants in this range.

Most Ni-Cu sulphide targets are semi-massive to massive sulphide pyrrhotite hosted which have documented conductance's of greater than 1000 S and have time constants in the greater than 100 ms range. As a result, most TEM systems are not well suited to exploring for Ni-Cu sulphide deposits; however, these systems provide significantly improved depth of penetration (<300m) to that of conventional heliborne frequency domain EM systems (<75m). This makes the THEM system better suited to exploration in rugged terrains similar to that of the Mt. Groulx located within the Haut Plateau survey area. In addition, most Ni-Cu sulphide deposits occur in large magmatic systems which typically form large halos of disseminated to net textured sulphide mineralization. These sulphides tend to have much lower, less than 1000 S, conductances which are easily detected using standard TEM systems.

The response characteristics for typical Ni-Cu sulphide targets were used to establish a series of criteria for prioritizing targets observed on the Haut Plateau property. The main criterion for selecting priority one targets was an obvious late channel-20 (15.02 ms) response. This response suggests that conductor has a relatively long time constant and potentially multiple modes of conductance (i.e. the conductance may become higher towards the central part of the conductor). Priority two targets were also selected based on an obvious late channel-20 (15.02 ms) response with significantly lower amplitude responses in the earlier less than 10 ms channels. This target type suggests that the conductor has more of a higher conductance core with less decay from the earlier channels but may also suggest that the conductor occurs at depth. Priority three targets were selected based on an obvious weak amplitude response in all channels. This

response may suggest a weak low conductance target near surface or potential poorly defined target at depth. The wavelength of this response and its occurrence along several lines are important for estimating potential depth. Priority four targets were selected based on the presence of possible weak anomalies found along several adjacent lines. These targets are of little interest but may suggest a potential conductor at depth.

5.2 Conclusions

The THEM heliborne TEM survey, carried out in May 2002, was plagued by poor weather conditions and missed opportunities due to technical problems with the system. As a result, the THEM crew were forced to demobe early after completing a total of 1564 line kilometers of the proposed 3200-line kilometer program. The overall data quality for the survey area completed was within the specifications outlined; however, poor weather and high wind conditions caused local problems due to isolated turbulence along valleys and hill crests resulting in the clipping of the data related to excess movement of the receiver coils in the earth's magnetic field.

From the data acquired, a total of 53 anomalies were outlined of which four were considered priority-one targets and seven priority-two targets. Many of these targets are presently untested and hold potential for the discovery of new Ni-Cu sulphide mineralization in the Haut Plateau area.

6. Recommendations

It is recommended that efforts be made to complete the remaining portion of the 3200 line kilometer survey as outlined using the THEM system or a frequency domain EM system. As part of the overall processing of off-time TEM data it is also recommended that the integration of the receiver coil data to generate a B-field response is warranted to give better estimates of conductance for better detection of Ni-Cu sulphide mineralization.

Respectfully Submitted,

Richard Osmond
Senior Project Geophysicist
Falconbridge Limited

APPENDIX A

Production Report for the THEM Heliborne TEM and Total Field Magnetics Survey - Haut Plateau Property, Eastern Quebec

May 12: Configuring THEM System and Test Flight.

May 13: Further testing and configuring of system.

May 14: Surveying of reflight area

May 15: Weather day

May 16: Surveying Block 1

May17: Weather day

May 18: Survey Block 1

May19: Weather Day

May 20: Surveying Block1 and Reconnaissance lines

May 21: ½ day Surveying Block 1 / ½ day weather

May 22: ½ day Surveying Block 1 / ½ day weather

May 23: Weather Day

May 24: Weather Day

May 25: Weather Day

May 26: ½ day Surveying Block 1 / ½ day weather

May 27: ½ day Surveying Block 1 / ½ day weather

May 28: Equipment problems

May 29: Strong wind, 1 Weather day

May 30: Full day Surveying Block 1

May 31: Try to fly but too much wind, 1 Weather day

June 01: Bad weather, Demobilization of the crew. End of project!

- Summary of production
  - Total line kilometers flown including overlap line: 1564 Km
  - Total line kilometers flown: 1420.2 Km-Line (including 134.3 Km without total field magnetics data)

Production Report (Table 2):

Line Number	Total distance	Line Number	Total distance
L2.1:13	8061.58	L506:20	1613.003879098
L63:13	8710.69	L507:20	3655.287548853
		L508:20	3711.022036865
L550:15	1601.310987985	L509:20	3777.414406183
L551:15	1680.231511619	L510:20	3696.914577084
L552:15	1666.245568156	L511:20	3639.26260908
L553:15	1691.42554523	L512:20	3564.377876375
L554:15	1682.645080803	L513:20	3741.031577944
L555:15	1581.293613444	L514:20	10272.5405594
L556:15	1722.146169691	L515:20	9930.596965991
L557.1:15	1701.588439181	L516.1:20	10973.20352417
L558.1:15	1612.22757459	L516:20	11240.27203997
L559:15	1591.002186399	L517:20	11262.84593028
L560.1:15	1918.998721302	L518:20	1324.381868327
L563:15	1496.001339511	L519:20	1301.296785042
L564:15	1658.552339523	L520:20	1176.916691036
L565:15	1656.599725519	L521.1:20	1540.347760032
L566:15	1658.103122716	L521:20	1149.927900134
L567:15	1668.191710941		
L568:15	1719.507717554	L37.1:21	15796.56191206
L569:15	1795.638959433	L38.1:21	12306.00732766
L570:15	1808.789546057	L39.3:21	19431.35201308
L571:15	1646.381571538	L39.4:21	12274.5373652
L572:15	1637.879486915	L39:21	10060.41634905
L573:15	1761.812132676	L40.1:21	8669.648883071
L574:15	1674.611126161	L40:21	5665.691228922
L575:15	1560.484344384	L41:21	32889.45388266
		L42.2:21	33430.31130192
L3:17	8412.043418978		
L4:17	8667.442619483	L42:22	25103.46005592
L5:17	9071.62855275	L43:22	33724.33594178
L6:17	9537.434430274		
L7:17	11016.11082638	L12:26	12998.05069677
L8:17	11506.91795331	L13.1:26	8256.928987041
L9:17	11745.93742535	L14.1:26	4289.040410692
L10:17	12150.96769964	L16:26	15006.93786979
L11:17	12587.39627613	L17:26	15395.6456562
L13:17	6053.351885139	L32:26	29228.87252312

L14:17	8791.419424285	L33.1:26	21912.7991454
L15:17	14425.02800555	L33:26	7978.587067423
L18:17	15700.22163298	L38:26	31681.6293077
L19:17	15926.81559436	L39.1:26	13621.25598305
L20:17	16329.72501357		
L21:17	16653.46519544	L39.2:30	9409.001222048
L22:17	16977.79386985	L40.3:30	32609.34237785
L23:17	17379.9291104	L41.2:30	29328.00762857
L24:17	16452.02181929	L42.1:30	7928.557983699
T3:17	7539.362269535	L44:30	34455.24825641
		L45:30	34642.09243946
L25:18	15708.73585703	L46:30	15003.49737249
L26:18	18641.69793574	L47:30	10844.55239966
L27.1:18	7170.797490702	L48:30	35811.12666937
L27.2:18	8573.620478464	L49.1:30	26440.70326776
L27:18	3709.699291457	L49:30	10044.48079769
L28:18	19452.26183518	L50.1:30	6892.057862236
L29.1:18	8675.823673536	L50:30	10341.14440512
L29:18	19266.97250813	L51:30	10094.62130928
L30:18	28498.76951994	L52:30	10364.88947093
		L53:30	10061.68781156
L25.1:20	4369.365512973	L54.1:30	5332.072880235
L31:20	28857.64077383	L54:30	10320.00425726
L34:20	30309.67150729	L55:30	10376.04407087
L35:20	18717.43330167	L56:30	10405.46131432
L36:20	18997.95213814	L57.1:30	23451.59271064
L37:20	19854.01389063	L57.2:30	1030.551718123
L500:20	15631.03588053	L57:30	10344.37255381
L501.1:20	14406.73849021	L58.1:30	28552.05532903
L501:20	14772.44033997	L58:30	10584.49231698
L502:20	14568.03128753	L59.1:30	28499.96469667
L503:20	1907.862930244	L59:30	9698.531344112
L504:20	1948.219251979	L60:30	26175.24957186
L505:20	1590.975074957	T4.1:30	18388.93603446

APPENDIX B

List of EM Anomaly Picks (Table 3)

Frame	UTM_X	UTM_Y	Interpretation
56256	611967.9	5727376.2	3
8221	614570.51	5722530.3	2
8374	614761.74	5722696.19	3
9301	615292.52	5723056.97	3
9665	614745.45	5722565.87	2
10522	614845.05	5722578.48	1
11646	615423.07	5723035.36	2
12105	614826.32	5722498.16	1
12912	614924.87	5722526.44	1
13336	615467.46	5723013.35	1
14064	615418.66	5722804.28	2
15465	615581.25	5722834.7	2
5655	615835.18	5725153.57	3
1516	615810.87	5724738.11	3

20716	617786.88	5724463.61	4
25501	618994.92	5723008.31	3
26101	618306.56	5722410.22	4
26900	618157.43	5722073.27	4
27217	618546.94	5722450.13	3
33548	622905	5724592.93	3
34548	622603.1	5724152.87	4
34691	622786.45	5724308.43	3
34835	623012.89	5724516	4
36004	623131.65	5724478.73	2
36181	622862.26	5724264.65	3
36290	622720.23	5724117.33	3
36442	622483.33	5723920.75	3

The following is a summary numeric legend used to interpret the EM anomaly picks from the heliborne THEM time-domain EM system:

1 – Targets having a quality late channel 20 response suggesting obvious decay but potential multiple modes of conductance as well as size.

2 – Targets having potential quality late channel 20 response but relatively low amplitude response in the earlier channels suggesting possible high conductance but it is not certain or the target may be a bit deeper.

3 – Obvious weak conductor - only of interest if forms part of a trend suggesting possibly something at depth.

4 – Possible weak conductor - not sure if real but of interest if forms part of conductive trend again suggesting possibly something at depth.

All targets coordinates are given in the UTM NAD27 Zone 19 projection.

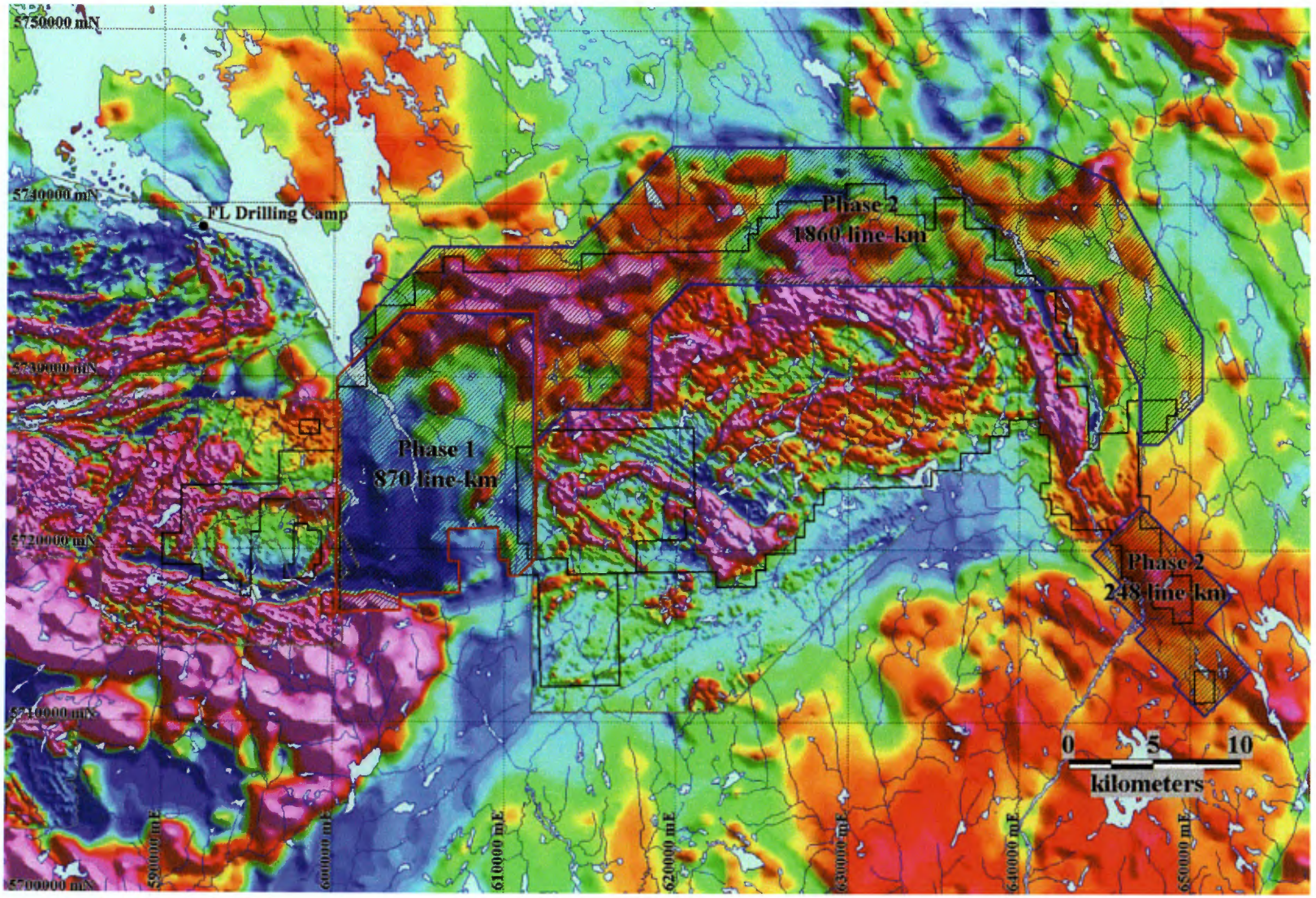


Figure 1: Proposed Survey outline for the Haut Plateau heliborne THEM time-domain EM survey – 2002 (UTM NAD27 / Zone 19).

JOURNAL DE SONDAGE | **TROU NO: 131-01** | FALCONBRIDGE LTD EXPLORATION

ZONE: Forgues

Numéro du projet: PN131
Claim No: 5196031
Localisation:
Contracteur: Bradley
Arpenteur: Falconbridge

Système de référence: UTM NAD27 Canada Zone

Collet:
Est: 598225 *m*
Nord: 5720007 *m*
Élévation: *m*
Azimuth: 270 °
Dip: -50 °
Longeur: 98 *m*

Débuté le: 4/25/2001
Terminé le: 4/27/2001
Casing: Left in hole
Wedges:
Dimension de la carotte: BQ
Cimenté: No
Bouchon: ☐
Cap: ☐
Eau: ☐

Remarques:

TEST DE DEVIATION

Profondeur (m)	*Inclinaison* (degré)	*Azimuth* (degré)	*Type de test*
4	-54	270	Acide
40	-57	270	Acide
98	-56	270	Acide

GM 60342

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
4	49.05	**Granulitic Gabbro** (I3E) PX(40), BO9(2), 3%- VN mm(CL), oe(QZ), **20.00-21.14m** **Granulitic Gabbro(I3E)** PX(40) **31.00-31.20m** **Granulitic Gabbro(I3E)** QZ, BO, GR(<15), GP(tr) **32.95-34.10m** **Granulitic Gabbro(I3E)** QZ, BO, GR(<15), GP(tr) **34.10-49.05m** **Granulitic Gabbro(I3E)** PX(40), 5%- VNmm(CL), BO(2)	4- 49.05m. F Le gabbro présente un foliation (à 055ca) très apparente dans les épontes des shear et des bandes silicifié, mis à part ces exeption il est massif	32.1- 32.4m. PO(10) diss 32.95- 34.1m. PO(5) diss 34.1- 49.05m. PO(<5) diss, le plus souvent associer avec les bd à SI+GR	HPE00001	4.00	5.26	1.26	313.00
					HPE00002	5.26	6.76	1.50	113.00
					HPE00003	29.50	31.00	1.50	63.00
					HPE00004	31.00	31.20	0.20	301.00
					HPE00005	31.20	32.10	0.90	70.00
					HPE00006	32.10	32.40	0.30	119.00
					HPE00007	32.40	32.95	0.55	76.00
					HPE00008	32.95	33.20	0.25	303.00
					HPE00009	33.20	33.80	0.60	62.00
					HPE00010	33.80	34.10	0.30	150.00
					HPE00011	34.10	35.60	1.50	56.00
49.05	59.1	**Granulitic Gabbro** (I3E) PX,SI+oe(QZ), BO, GR, 1%- VNmm(CL)	49.05- 59.1m Rb gr à 055ca gr	49.05- 59.1m. PO(<8) diss+bleb, CP(tr) ds bl surtout présent ds les plus forte cncentration à SI+GR qui sont <4cm	HPE00012	51.00	52.50	1.50	82.00
					HPE00013	52.50	52.90	0.40	1186.00
					HPE00014	52.90	54.40	1.50	117.00
					HPE00015	56.05	57.55	1.50	124.00
					HPE00016	57.55	57.70	0.15	598.00
					HPE00017	57.70	58.75	1.05	173.00
					HPE00018	58.75	59.10	0.35	982.00
59.1	60.15	**Massive Sulphides** (MS) SU(65)	59.1- 60.15m C à 020 ca discordant à la fo du gabbro,gr,fo		HPE00019	59.10	60.15	1.05	5814.00
60.15	61.35	**Granulitic Gabbro** (I3E) 2%-oe(QZ),SU(15)	60.15- 61.35 F à 055 ca		HPE00020	60.15	60.60	0.45	827.00
					HPE00021	60.60	61.35	0.75	477.00
61.35	62.05	**Massive Sulphides** (MS) SU(68)	61.35- 62.05 C sup. à 020ca : inf. à 060ca		HPE00022	61.35	62.05	0.70	5532.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure		STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
62.05	63.95	**Granulitic Gabbro** PX, 5%-oe(QZ), SU(5-15)	(I3E)			HPE00023	62.05	63.30	1.25	53.00
						HPE00024	63.30	63.95	0.65	988.00
63.95	64.35	**Massive Sulphides** SU(60)	(MS)	63.95- 64.35 C sup. à 020ca et inf. à 060ca		HPE00025	63.95	64.35	0.40	8302.00
64.35	64.85	**Granulitic Gabbro**	(I3E)			HPE00027	64.35	64.85	0.50	354.00
64.85	65.35	**Massive Sulphides** SU(60)	(MS)	64.85- 65.35 C éponte à 060ca	64.85- 64.88m. PO(10) bleb fo à 060ca	HPE00028	64.85	65.35	0.50	5824.00
65.35	66.05	**Granulitic Gabbro** PX(40), SU(15)	(I3E)	65.35- 66.05 F gneissosité à 060ca		HPE00029	65.35	66.05	0.70	747.00
66.05	66.6	**Granulitic Gabbro**	(I3E)	66.05- 66.6m C inf. à 060ca		HPE00030	66.05	66.60	0.55	772.00
66.6	75.6	**Granulitic Gabbro** SI, GR, GP(tr-4)	(I3E)	66.6- 75.6m. Rb à 060ca de même pour le contact inf.		HPE00031	66.60	68.80	2.20	54.00
75.6	93.05	**Granulitic Gabbro**	(I3E)	77.4- 77.41m S CL à 060ca	87.8- 87.82m. PO(90) VN	HPE00032	85.80	87.30	1.50	77.00
						HPE00033	87.30	88.40	1.10	629.00
				80.4- 80.42m S CL+CB à 060ca	88- 88.01m. PO(90) VN	HPE00034	88.40	89.90	1.50	93.00
93.05	98	**Granulitic Gabbro** SI, GR, GP(tr-4), SU(tr)	(I3E)	93.05- 98m. Rb à 060ca						
				94.8- 94.81m S CL+CB+GR à045ca						

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
			95.4- 95.9m. S SI+CL+CB+GR						

RÉSULTATS DE GÉOCHIMIE - ASSAY

ECH. NO.	*DE*	*A*	*LONGUEUR*	*ROCHE*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*	*Ni (mss)*	*SG (t/m3)*
HPE00001	4	5.26	1.26		313	231	85	2	-5	1	1.15	0.99	
HPE00002	5.26	6.76	1.5		113	75	59	1	-5	-1	0.35	1.18	
HPE00003	29.5	31	1.5		63	33	65	2	-5	-1	0.23	1.00	
HPE00004	31	31.2	0.19		301	522	140	5	-5	8	3.06	0.36	
HPE00005	31.2	32.1	0.9		70	65	62	-1	-5	-1	0.49	0.52	
HPE00006	32.1	32.4	0.29		119	106	59	2	-5	2	0.94	0.46	
HPE00007	32.4	32.95	0.55		76	60	62	2	-5	-1	0.51	0.54	
HPE00008	32.95	33.2	0.25		303	366	131	5	-5	4	2.9	0.38	
HPE00009	33.2	33.8	0.59		62	57	50	1	-5	-1	0.39	0.58	
HPE00010	33.8	34.1	0.3		150	195	69	3	-5	2	1.48	0.37	
HPE00011	34.1	35.6	1.5		56	37	48	4	-5	-1	0.3	0.68	
HPE00012	51	52.5	1.5		82	56	57	-1	-5	-1	0.29	1.03	
HPE00013	52.5	52.9	0.39		1186	690	204	1	-5	-1	2.14	2.02	
HPE00014	52.9	54.4	1.5		117	67	61	-1	-5	-1	0.34	1.25	
HPE00015	56.05	57.55	1.5		124	58	67	-1	-5	-1	0.3	1.50	
HPE00016	57.55	57.7	0.15		598	901	172	2	-5	-1	2.07	1.05	
HPE00017	57.7	58.75	1.05		173	69	71	-1	-5	-1	0.37	1.70	
HPE00018	58.75	59.1	0.35		982	593	250	4	-5	2	3.31	1.08	
HPE00019	59.1	60.15	1.05		5814	812	1184	4	-5	2	21.8	0.97	
HPE00020	60.15	60.6	0.45		827	2034	240	2	44	2	3.17	0.95	
HPE00021	60.6	61.35	0.75		477	785	135	2	11	4	1.56	1.11	
HPE00022	61.35	62.05	0.69		5532	2812	1130	15	-5	27	19.9	1.01	
HPE00023	62.05	63.3	1.25		53	100	68	-1	-5	-1	0.34	0.57	
HPE00024	63.3	63.95	0.65		988	571	243	3	-5	5	3.05	1.18	
HPE00025	63.95	64.35	0.39		8302	1716	1606	8	-5	18	28.42	1.06	
HPE00027	64.35	64.85	0.5		354	639	122	4	-5	9	1.15	1.12	
HPE00028	64.85	65.35	0.5		5824	3409	1170	6	8	19	20.37	1.04	

HPE00029	65.35	66.05	0.7	747	354	174	13	-5	-1	2.52	1.08
HPE00030	66.05	66.6	0.54	772	4605	221	8	-5	26	2.83	0.99
HPE00031	66.6	68.8	2.2	54	101	62	-1	-5	2	0.43	0.46
HPE00032	85.8	87.3	1.5	77	75	60	-1	-5	-1	0.43	0.65
HPE00033	87.3	88.4	1.1	629	515	233	3	-5	3	4	0.57
HPE00034	88.4	89.9	1.5	93	69	61	-1	-5	-1	0.43	0.79

RÉSULTATS DE GÉOCHIMIE - COMPOSITES

RÉSULTATS DE GÉOCHIMIE - WHOLE ROCK

ECH NO.	*DE (m)*	*TO (m)*	*ROCHE*	*SiO2 (%)*	*TiO2 (%)*	*Al2O3 (%)*	*Fe2O3 (%)*	*MnO (%)*	*MgO (%)*	*CaO (%)*	*Na2O (%)*	*P2O5 (%)*	*Cr2O3 (%)*	*K2O (%)*	*LOI (%)*	*Total (%)*	*Ba (ppm)*	*Nb (ppm)*	*Rb (ppm)*	*Sr (ppm)*	*V (ppm)*	*Y (ppm)*	*Th (ppm)*	*Cs (ppm)*	*Ta (ppm)*	*Zr (ppm)*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*
A-47151	15.45	15.6	I3E	50.9	0.4	17	9.38	0.16	10.4	9.51	1.99	0.02	0.07	0.27	-0.4	99.6	269	3	6	197	159	3	-2	10	-10	12	138	48	59	-1	-5	-1	0.16
A-47152	20.4	20.6	I3E	48.1	0.38	18.3	10.5	0.15	10.7	10.2	1.31	0.02	0.03	0.28	-0.3	99.6	272	3	3	213	89	4	-2	12	-10	15	212	48	81	-1	-5	-1	0.19
A-47153	38.4	38.6	I3E	50.2	0.99	16.1	12.9	0.2	7.87	10.1	1.79	0.02	0.03	0.17	-0.6	99.8	305	4	5	210	285	6	-2	20	-10	9	47	25	61	-1	-5	-1	0.18
A-47154	49.05	49.25	I3E	47.8	1.27	17.6	16.3	0.26	6.28	7.87	1.59	0.03	0.04	0.28	0.58	100	359	8	8	266	322	4	-2	24	-10	22	156	159	59	1	-5	1	0.52
A-47155	55.4	55.6	I3E	49.1	1.17	16.4	13.6	0.21	8.01	10.3	1.44	0.12	0.04	0.13	-0.3	100	327	5	6	219	287	11	-2	7	-10	14	67	37	67	-1	-5	1	0.18
A-47156	66.2	66.4	I3E	47.5	1.85	14	16.7	0.27	7.73	11.0	1.14	0.19	0.02	0.22	-0.8	99.8	363	8	8	256	455	22	-2	20	-10	41	21	38	70	-1	-5	-1	0.22
A-47157	75.2	75.4	I3E	49	1.17	17.2	13.6	0.19	7.31	8.3	1.74	0.09	0.04	0.28	0.92	99.8	362	8	9	230	276	11	-2	16	-10	64	101	162	58	1	-5	1	0.58
A-47158	75.6	75.8	I3E	49.1	1.17	16.5	13.5	0.21	7.9	9.18	1.71	0.13	0.04	0.28	-0.1	99.6	389	7	10	227	293	13	-2	12	-10	47	128	102	63	-1	-5	-1	0.39
A-47159	77	77.2	I3E	50.2	0.93	16.2	12.6	0.2	7.96	9.32	2.14	0.1	0.04	0.3	-0.09	99.8	349	5	5	224	251	13	-2	14	-10	36	97	44	55	-1	5	-1	0.25
A-47160	92	92.2	I3E	49.8	1.17	15.6	12.5	0.2	7.8	10	2.37	0.15	0.05	0.48	-0.4	99.7	456	5	8	218	270	17	-2	20	-10	44	81	30	59	-1	-5	-1	0.21

JOURNAL DE SONDAGE

TROU NO: 151-01

ZONE: Haut-Plateau Est

FALCONBRIDGE LTD
EXPLORATION

Numéro du projet: PN151
Claim No: 5233441
Localisation:
Contracteur: Bradley
Arpenteur: Falconbridge

Système de référence: UTM NAD27 Canada Zone

Collet:
Est: 614859 *m*
Nord: 5722490 *m*
Élévation: *m*
Azimuth: 231 °
Dip: -70 °
Longeur: 200 *m*

Débuté le: 4/30/2001
Terminé le: 4/30/2001
Casing: Left in hole ca
Wedges:
Dimension de la carotte: BQ
Cimenté: No
Bouchon: ☐
Cap: ☑
Eau: ☐

Remarques:

TEST DE DEVIATION

Profondeur (m)	*Inclinaison (degré)*	*Azimuth (degré)*	*Type de test*
4	-71	231	Acide
40	-71	231	Acide
100	-71	231	Acide
150	-70	231	Acide
200	-72	231	Acide

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
4	19	**Ol gabbronorite** (I3K) OL(5-10), PL(10-40), PX(30-50), BO(3-7), MT(2-3), SU(tr) **13.90-15.80m** **Ol gabbronorite(I3K)** Ol, PX-mélanocrate	15.2- 15.5m. S chlorite à 020ca		HPE00090	17.50	19.00	1.50	636.00
19	24.8	**Gabbro** (I3A) GR(5-10) **22.30-24.80m** **Gabbro(I3A)** GR(10-15), VN (MS)	19- 24.8m. B contact inf.: à 080ca		HPE00091	19.00	19.85	0.85	7319.00
					HPE00092	19.85	21.00	1.15	16513.00
					HPE00093	21.00	22.30	1.30	19706.00
					HPE00094	22.30	22.55	0.25	1424.00
					HPE00095	22.55	22.75	0.20	19071.00
					HPE00096	22.75	23.90	1.15	3649.00
					HPE00097	23.90	24.45	0.55	6516.00
					HPE00098	24.45	24.80	0.35	5662.00
24.8	89.8	**Ol gabbronorite** (I3K) OL(5-10), PL(10-40), PX(30-50), BO(3-7), MT(2-3), SU(tr) **24.80-31.50m** **Ol gabbronorite(I3K)** OL(1-5), PL(15-20), GR(tr), Cpx + Opx (50-60) **31.50-34.00m** **Ol gabbronorite(I3K)** OL(5-15) **34.00-45.00m** **Ol gabbronorite(I3K)** OL(1-5), PL(35-40), PX(40-45) **45.00-65.10m** **Ol gabbronorite(I3K)** **65.10-78.90m** **Ol gabbronorite(I3K)** Opx+Cpx+HB 50-60 BO, OL(2-3), Mt-Im **78.90-80.70m** **Norite(I3J)** Opx (50), Ol(3-5), BO(10), PG(45)+/-CL+/-TC, SU(3) **80.70-89.80m** **Ol gabbronorite(I3K)** Opx+Cpx+HB 50-60 BO, OL(2-3), Mt-Im		78.9- 80.7m. PO(3)	HPE00104	28.90	30.40	1.50	598.00
					HPE00099	24.80	26.30	1.50	971.00
					HPE00101	26.30	27.50	1.20	1457.00
					HPE00102	27.50	28.75	1.25	785.00
					HPE00103	28.75	28.90	0.15	15810.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
89.8	94.6	**Peridotite** (I4I) Opx+Cpx (55), OL(40), PG(5), MT-IM (tr-2)	89.8- 89.81 B up hole contact diffused 89.81- 94.59 F à 065ca correspondant au plan formé par la CL dû à la serpentinisation 94.59- 94.6 B down hole contact à 020ca net	93.2- 94.6m. PO(tr)	HPE00274	93.20	94.60	1.40	651.00
94.6	97.9	**Massive sulphides** (MS) PO+CP+/-PN(85) fragment Péridotite (15)	94.6- 97.9m. B uphole contact à 045ca et downhole contact à 090 ca net	94.6- 95.4m. SU(25); PO+CP(1) [] sur 40cm comme matrice @ fg peridotite ou PO+CP(60) 95.4- 97.9m. SU(90) PO(85)+CP(5)+\-PN -5% fg peridotite arrondi de 2- 5mm	HPE00275 HPE00276 HPE00277	94.60 95.40 96.80	95.50 96.80 97.90	0.90 1.40 1.10	7139.00 25200.00 27800.00
97.9	101.3	**Granodiorite** (I1C) QZ+FP+Ep pervasif SU(15) 3 VNmm/m CL+/-CB		97.9- 99.2m. SU(8-10) [] sur 15cm comme matrice @ fg peridotite ou PO+CP(60) 99.2- 100.4m. SU(20) PO+CP [] sur 25cm en MS 100.4- 101.2m SU(tr)	HPE00278 HPE00279 HPE00281	97.90 99.20 100.40	99.20 100.40 101.20	1.30 1.20 0.80	6699.00 9226.00 136.00
101.3	103.6	**Peridotite** (I4I) Opx+Cpx (55), OL(40), PG(5), MT-IM (tr-2)		101.2- 102.5m SU(15) [] en 1 bd 20cm @ PO+CP(75) et @ fg peridotite 102.5- 103.7m SU(tr) PO(diss	HPE00282 HPE00283	101.20 102.50	102.50 103.70	1.30 1.20	2372.00 517.00
103.6	105.1	**Paragneiss** (M4) QZ+FP, BO(2-5), GR(15)g.f., HB(5)g.f.,							
105.1	124.1	**Ol gabbronorite** (I3K)	105.1- 124.1 B ma uphole à 045ca ma						

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
124.1	174.1	**Norite** (I3J) Opx (450), PG(40), OL(2-5), BO(5), Spinel, CL+TC, SU(0-2) **126.60-126.80m** **Granite(I1B)** **128.80-129.40m** **Granite(I1B)** **149.40-149.70m** **Tonalite(I1D)** QZ+FP+EP(5) pervasif **159.00-159.10m** **Diorite(I2J)** BO(60), EP pervasif, SU(3), HB **160.80-161.10m** **Granite(I1B)** **162.00-162.01m** **Tonalite(I1D)** QZ+PG(50) + GR(50)	124.1- 174.1 B uphole S0; Masquer par zone de faille downhole S0; net et sinuosidal à 045ca et recoupe la foliation de la gabbronorite suivante						
174.1	182.1	**Ol gabbronorite** (I3K) Opx+Cpx(40-50), BO(2-5), PG(50-60), SU(0-1)	174.1- 182.1 F à 045ca						
182.1	189.75	**Norite** (I3J) Opx (450), PG(40), OL(2-5), BO(5), Spinel, CL+TC, SU(0-2)	182.1- 189.7 F faiblement folié comprenant des bd massives						
189.75	190.9	**Granite** (I1B) HB(1-3)							
190.9	200	**Norite** (I3J) Opx (450), PG(40), OL(2-5), BO(5), Spinel, CL+TC, SU(0-2)	190.9- 200m F très faiblement folié						

RÉSULTATS DE GÉOCHIMIE - ASSAY

ECH. NO.	*DE*	*A*	*LONGUEUR*	*ROCHE*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*	*Ni (mss)*	*SG (t/m3)*
HPE00090	17.5	19	1.5		636	64	147	3	-5	-1	0.19	12.10	
HPE00091	19	19.85	0.85		7319	5179	567	70	16	21	9.75	2.73	3.43
HPE00092	19.85	21	1.15		16513	3411	1206	10	5	26	21.56	2.79	3.8
HPE00093	21	22.3	1.3		19706	1312	1475	10	5	53	24.25	2.96	3.85
HPE00094	22.3	22.55	0.25		1424	432	161	-1	-5	2	1.56	3.32	3.35
HPE00095	22.55	22.75	0.2		19071	607	1389	22	5	63	24.7	2.81	4.23
HPE00096	22.75	23.9	1.15		3649	2785	304	10	-5	5	5.29	2.51	
HPE00097	23.9	24.45	0.55		6516	1435	526	6	-5	6	8.46	2.80	
HPE00098	24.45	24.8	0.35		5662	4346	469	48	12	13	7.32	2.81	
HPE00099	24.8	26.3	1.5		971	512	161	3	-5	1	0.39	8.98	
HPE00101	26.3	27.5	1.2		1457	175	205	1	-5	2	1.48	3.58	
HPE00102	27.5	28.75	1.25		785	262	123	2	5	-1	0.6	4.75	
HPE00103	28.75	28.9	0.15		15810	1078	1215	3	-5	40	22.51	2.56	
HPE00104	28.9	30.4	1.5		598	67	158	1	-5	-1	0.2	10.82	
HPE00274	93.2	94.6	1.4		651	181	149	-9	-9	-9	0.33	7.15	
HPE00275	94.6	95.5	0.9		7139	2880	605	-9	-9	-9	9.69	2.68	3.59
HPE00276	95.4	96.8	1.4		25200	7282	1902	-9	-9	-9	34.11	2.69	4.28
HPE00277	96.8	97.9	1.1		27800	16693	2131	-9	-9	-9	35.96	2.81	4.48
HPE00278	97.9	99.2	1.3		6699	1330	547	-9	-9	-9	7.8	3.13	2.86
HPE00279	99.2	100.4	1.2		9226	972	714	-9	-9	-9	11.84	2.84	3.23
HPE00281	100.4	101.2	0.8		136	542	21	-9	-9	-9	0.23	2.13	
HPE00282	101.2	102.5	1.3		2372	687	268	-9	-9	-9	3.09	2.79	
HPE00283	102.5	103.7	1.2		517	145	140	-9	-9	-9	0.27	6.94	

RÉSULTATS DE GÉOCHIMIE - COMPOSITES

ECH. NO.	*De (m)*	*A (m)*	*Longueur (m)*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Fe (%)*	*S (%)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*Ni/S*	*S.G. (t/m³)*	*Ag (ppb)*	*Pb (%)*	*Zn (%)*
C-151-01A	53	68	15	647	89	159		0.19	1	-5	-1					
C-151-01B	68	80	12	559	97	143		0.22	-1	-5	-1					
C-151-01C	80	89	9	584	104	149		0.22	-1	-5	-1					
C-151-01D	125	140	15	49	80	46		0.42	-1	-5	-1					
C-151-01E	140	155	15	45	59	62		0.69	-1	-5	-1					
C-151-01F	155	165	10	27	20	57		0.37	1	-5	1					
C-151-01G	165	173	8	31	41	50		0.4	-1	-5	-1					

RÉSULTATS DE GÉOCHIMIE - WHOLE ROCK

ECH NO.	*DE (m)*	*TO (m)*	*ROCHE*	*SiO2 (%)*	*TiO2 (%)*	*Al2O3 (%)*	*Fe2O3 (%)*	*MnO (%)*	*MgO (%)*	*CaO (%)*	*Na2O (%)*	*P2O5 (%)*	*Cr2O3 (%)*	*K2O (%)*	*LOI (%)*	*Total (%)*	*Ba (ppm)*	*Nb (ppm)*	*Rb (ppm)*	*Sr (ppm)*	*V (ppm)*	*Y (ppm)*	*Th (ppm)*	*Cs (ppm)*	*Ta (ppm)*	*Zr (ppm)*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*
A-47167	9.3	9.5	I3K	43	0.56	5.53	19.3	0.27	26.7	3.48	0.73	0.09	0.05	0.49	0.23	100	331	3	21	50	108	11	-2	20	-10	66	660	54	166	3	-5	-1	0.1
A-47168	14.45	14.7	I3K	43	0.58	5.59	19.1	0.26	26.1	3.46	0.66	0.1	0.05	0.52	0.33	99.6	313	3	23	48	107	11	-2	13	-10	69	640	38	164	11	-5	-1	0.1
A-47169	24.45	24.7	I3A	35.1	2.55	8.3	37.5	0.59	7.73	3.29	0.94	0.2	0.03	0.56	1.45	98.3	362	13	47	96	342	36	2	11	-10	127	4579	3707	402	49	20	13	6.48
A-47170	26.6	26.8	I3K	42.5	0.77	5.1	19.5	0.26	26.6	3.24	0.64	0.11	0.04	0.59	0.67	100	368	4	28	48	113	14	-2	18	-10	81	670	51	148	2	-5	-1	0.15
A-47171	30.7	30.9	I3K	42.2	0.61	5.4	19.4	0.26	26.9	3.46	0.69	0.09	0.04	0.5	0.17	99.7	298	4	19	49	102	11	-2	18	-10	63	673	39	160	1	-5	-1	0.11
A-47172	33.3	33.5	I3K	42.4	0.59	5.41	19.3	0.26	26.9	3.33	0.71	0.09	0.04	0.54	0.57	100	340	3	25	50	97	11	-2	19	-10	65	693	58	161	-1	-5	-1	0.13
A-47173	36.3	36.5	I3K	43.0	0.53	5.08	19.8	0.28	26.8	2.65	0.68	0.05	0.04	0.61	0.53	100	397	3	31	41	91	10	-2	15	-10	58	490	29	129	-1	-5	-1	0.06
A-47174	50.4	50.6	I3K	42.5	0.58	5.1	19.8	0.27	27.9	3.16	0.68	0.09	0.05	0.49	-0.5	100	323	4	23	46	90	10	-2	12	-10	57	771	88	168	2	-5	3	0.17
A-47200	93.6	93.8	I4I	39.1	0.5	5.18	18.2	0.22	24.5	3.04	0.58	0.07	0.03	0.39	7.33	99.2	228	4	28	38	82	11	-2	12	-10	45	517	28	149	1	-5	2	0.1
A-12551	105.2	105	I3K	43.5	4.05	14.2	16.3	0.19	5.46	7.61	3.03	0.81	0.01	1.64	2.51	99.4	1128	21	59	294	302	51	-2	8	-10	309	64	66	62	2	-5	-1	0.24
A-12552	114.5	115	I3K	44.4	4.26	14.1	17.6	0.22	4.79	7.86	3.8	0.82	0.01	1.72	0.44	100	1105	21	61	297	299	53	-2	10	-10	305	63	67	56	1	-5	-1	0.14
A-12553	131.5	132	I3J	51.7	0.77	16.9	11.5	0.17	7.82	7.7	2.07	0.09	0.04	0.94	0.77	100	353	6	37	140	339	16	-2	13	-10	72	30	76	53	-1	-5	-1	0.38
A-12554	173.9	174	I3J	44.4	4.35	13.1	18.4	0.26	4.05	7.82	2.41	1.13	-0.01	1.89	1.76	99.5	1208	26	77	260	276	70	-2	5	-10	444	36	36	50	1	-5	-1	0.38
A-12555	175.5	176	I3K	50.7	0.84	15.8	12.2	0.18	8.57	7.88	2.22	0.11	0.05	0.84	0.64	99.9	355	7	37	125	370	19	-2	12	-10	77	52	42	63	2	-5	-1	0.47
A-12556	185	185	I3J	46.1	3.53	12.4	19.7	0.3	3.39	7.04	2.73	1.71	-0.01	2.72	-0.9	98.7	1618	36	100	213	142	110	-2	9	-10	700	12	26	45	1	-5	-1	0.27
A-12557	191.8	192	I3J	51.9	0.81	15.5	11.6	0.17	8.53	7.6	2.2	0.11	0.04	0.97	0.09	99.5	386	5	48	118	358	20	-2	18	-10	93	27	22	51	1	-5	-1	0.28
A-12558	198.8	199	I3J	51.4	0.83	17.4	10.9	0.16	7.21	8.37	2.65	0.1	0.04	0.64	0.18	99.9	229	8	31	133	318	20	-2	8	-10	98	42	33	52	1	-5	-1	0.46

JOURNAL DE SONDAGE

TROU NO: 151-02

ZONE: Haut-Plateau Est

FALCONBRIDGE LTD
EXPLORATION

Numéro du projet:	PN151	***Système de référence:***				***Débuté le:***	5/1/2001
Claim No:						***Terminé le:***	5/4/2001
Localisation:		***Collet:***	***Est:***	614848	***m***	***Casing:***	Left in hole ca
Contracteur:	Bradley		***Nord:***	5722606	***m***	***Wedges:***	
Arpenteur:	Falconbridge		***Élévation:***		***m***	***Dimension de la carotte:***	BQ
			Azimuth:	231	°	***Cimenté:***	No
			Dip:	-70	°	***Bouchon:***	☐
			Longeur:	164	***m***	***Cap:***	☑
						Eau:	☐

Remarques:

TEST DE DEVIATION

Profondeur *(m)*	***Inclinaison*** *(degré)*	***Azimuth*** *(degré)*	***Type de test***
10	-70	231	Acide
50	-68	231	Acide
164	-71	231	Acide

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
10	20.4	**Tonalite** (I1D) QZ(30-35), FP(60-65), BO(1-3)	10- 20.4m. B downhole S0; à 030ca		HPE00105	18.90	20.40	1.50	23.00
20.4	24.55	**Peridotite** (I4I) OL(40), Opx(7-15), SP(30), MT(10-15),	20.4- 24.55 F -Foliation métamorphique définit par VNmm CL -downhole SO; à 045ca	20.9- 21.3m. 25-30% PO+CP+PN as matrix ore 23.7- 24.55m. 40-45% PO+CP+PN as matrix sulphide vein in fault zone	HPE00106	20.40	20.90	0.50	501.00
					HPE00107	20.90	21.10	0.20	11396.00
					HPE00108	21.20	22.55	1.35	246.00
					HPE00109	22.55	23.70	1.15	653.00
					HPE00110	23.70	24.55	0.85	5900.00
24.55	32.95	**Tonalite** (I1D) QZ(20-25), FP(70-75), CL(2-3), GR(1-2)	24.55- 32.95 S Zone de faille injecté de liquide felsique - Slip plan à 045ca -downhole SO; sharp à 030ca		HPE00111	24.55	26.00	1.45	45.00
32.95	65.55	**Peridotite** (I4I) OL(40), Opx(7-15), SP(30), MT(10-15), **32.95-33.15m** **Peridotite(I4I)** CL+BO++++	32.95- 65.55 F à 040ca donnée par plan serpentinisé - VN de FP+BO+PO+PN à 070ca de 2-3 cm	32.95- 52m. PO(tr) diss 52- 52.4m. 17-20% PO+CP+PN as matrix ore in shear zone à 045ca 52.4- 52.95m. PO(tr) 52.95- 53.45m 50-55% PO+CP+PN as matrix ore, S0 à 055ca 53.45- 65.55m PO(tr)	HPE00112	50.50	52.00	1.50	615.00
					HPE00113	52.00	52.40	0.40	5539.00
					HPE00114	52.40	52.95	0.55	2754.00
					HPE00115	52.95	53.45	0.50	14484.00
					HPE00116	53.45	54.95	1.50	505.00
					HPE00117	64.05	65.55	1.50	850.00
65.55	74.95	**Massive sulphides** (MS)		65.55- 68.4m. 70-75% PO+CP+PN as matrix ore, CP(10-015), PN as small needly -uphole S0 à 030ca -downhole S0 à 045ca 68.4- 74.95m. 40-45% PO+PN+CP as matrix ore in vein type, barren UM section in between vein of massive sulphide begining brecciated in contact with sulphide 5-10%CP diss and as veinlet in shear zone	HPE00118	65.55	67.00	1.45	19413.00
					HPE00119	67.00	68.40	1.40	23400.00
					HPE00121	68.40	69.00	0.60	1800.00
					HPE00122	69.00	69.50	0.50	24400.00
					HPE00123	69.50	69.80	0.30	6320.00
					HPE00124	69.80	71.00	1.20	18937.00
					HPE00125	71.00	71.85	0.85	1299.00

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
					HPE00126	71.85	73.25	1.40	17383.00
					HPE00127	73.25	74.35	1.10	5682.00
					HPE00128	74.35	74.95	0.60	14672.00
74.95	126.3	**Ol gabbronorite** (I3K) OL(5-10), OPX(25-30), CPX(15-20), PG(20), HB(5-10), MT+IM(1-5), SU(tr), TR(1-3)		74.95- 78.2m. PO(tr) in UM 3cm thick veinlet of massive sulphide 78.2- 80.3m. 35-40% PO+PN+CP as matrix ore with sub-angular to partialy absorbed UM fx -uphole S0 à 080ca -downhole SO à 060ca cut by shear 80.3- 80.75m. PO(tr) in BO rich UM 80.75- 81.35m PO+CP(7-10) avec fragment aphanitique UM brecciated with flowage texture at up and downhole S0 -uphole S0 à 053 -downhole à 047ca 81.35- 81.5m. PO+CP(2-3) in fracture filling by MS 81.5- 82m. PO+CP+PN(65-70) uphole S0; à 030ca downhole S0; à 080ca 82- 82.35m. PO+CP+PN(3-5)	HPE00129	74.95	75.75	0.80	5846.00
					HPE00130	75.75	77.00	1.25	1500.00
					HPE00131	77.00	78.20	1.20	1195.00
					HPE00132	78.20	78.65	0.45	7077.00
					HPE00133	78.65	79.50	0.85	23600.00
					HPE00134	79.50	80.30	0.80	5213.00
					HPE00135	80.30	80.75	0.45	562.00
					HPE00136	80.75	81.35	0.60	2957.00
					HPE00137	81.35	81.50	0.15	3710.00
					HPE00138	81.50	82.00	0.50	27200.00
					HPE00139	82.00	82.35	0.35	1391.00
					HPE00141	82.35	83.85	1.50	403.00
					HPE00142	83.85	85.00	1.15	664.00
					HPE00143	85.00	86.30	1.30	541.00
					HPE00144	86.30	87.45	1.15	543.00
					HPE00145	87.45	88.45	1.00	1521.00
					HPE00146	88.45	89.40	0.95	1500.00
					HPE00147	89.40	90.90	1.50	714.00
126.3	131.45	**Ol gabbronorite** (I3K) Opx(30), Cpx(25), Ol(tr), BO(tr), MT(1), PG(40), SU(tr)	126.3- 131.4 S downhole S0; slightly shear à 030ca		HPE00148	127.70	128.25	0.55	1563.00
131.45	134.8	**Ol gabbronorite** (I3K) OL(5-10), OPX(25-30), CPX(15-20), PG(20), HB(5-10), MT+IM(1-5), SU(tr), TR(1-3)							
134.8	138.7	**Ol gabbronorite** (I3K) relique de PX, Chlorite, Tremolite, Actinote, Talc	134.8- 138.7 F à 045ca	137.7- 138m. PO+CP(15-20) as stockwork	HPE00149	136.20	137.70	1.50	205.00
					HPE00150	137.70	138.00	0.30	3386.00
					HPE00151	138.00	138.70	0.70	376.00

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure		*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
138.7	144.9	**Ol gabbronorite**	(I3K)	138.7- 144.9 S Boue de faille	143.95- 144.2 PO+PN(15-20) as massive sulphide veins	HPE00152	142.55	143.95	1.40	573.00
						HPE00153	143.95	144.25	0.30	9411.00
						HPE00154	144.25	144.90	0.65	937.00
144.9	160.05	**Ol gabbronorite** OPX+CPX, PG, BO(3) SU(10-15)	(I3K)		144.9- 160.05 PO(10-15) diss. fine grained	HPE00155	144.90	146.40	1.50	3533.00
160.05	164	**Gabbro** HB+Actinote(55), BO(15), PG	(I3A)							

RÉSULTATS DE GÉOCHIMIE - ASSAY

ECH. NO.	*DE*	*A*	*LONGUEUR*	*ROCHE*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*	*Ni (mss)*	*SG (t/m3)*
HPE00105	18.9	20.4	1.5		23	10	-3	-1	-5	-1	0.04	2.09	
HPE00106	20.4	20.9	0.5	I4I	501	146	96	2	-5	2	0.45	4.05	
HPE00107	20.9	21.1	0.2	I4I	11396	5048	747	8	5	13	15.74	2.63	
HPE00108	21.2	22.55	1.35	I4I	246	43	56	-1	-5	-1	0.13	6.86	
HPE00109	22.55	23.7	1.15	I4I	653	55	145	-1	-5	-1	0.2	11.81	
HPE00110	23.7	24.55	0.85	I4I	5900	2622	395	30	8	16	9.17	2.34	
HPE00111	24.55	26	1.45	I1D	45	29	-3	-1	-5	-1	0.07	2.34	
HPE00112	50.5	52	1.5		615	69	143	-1	5	-1	0.26	8.57	
HPE00113	52	52.4	0.4		5539	3515	451	43	-5	11	8.25	2.44	
HPE00114	52.4	52.95	0.55		2754	189	250	4	-5	3	3.24	3.09	
HPE00115	52.95	53.45	0.5		14484	628	1101	2	-5	14	22.55	2.34	
HPE00116	53.45	54.95	1.5		505	48	101	1	-5	-1	0.23	7.96	
HPE00117	64.05	65.55	1.5		850	143	142	1	-5	-1	0.52	5.93	
HPE00118	65.55	67	1.45		19413	10234	1458	20	152	40	26.06	2.71	4.06
HPE00119	67	68.4	1.4		23400	10848	1673	13	9	33	29.81	2.85	4.22
HPE00121	68.4	69	0.6		1800	4087	188	2	-5	5	2.49	2.61	3.02
HPE00122	69	69.5	0.5		24400	3853	1743	11	-5	46	29.65	3.00	4.23
HPE00123	69.5	69.8	0.3		6320	3565	520	1	7	6	8.62	2.67	3.57
HPE00124	69.8	71	1.2		18937	4325	1371	9	-5	27	25.68	2.68	4.13
HPE00125	71	71.85	0.85		1299	562	183	2	-5	-1	0.87	5.41	3.24
HPE00126	71.85	73.25	1.4		17383	1223	1279	16	-5	22	24.08	2.63	3.98
HPE00127	73.25	74.35	1.1		5682	13473	474	84	-5	431	9.1	2.26	3.49
HPE00128	74.35	74.95	0.6		14672	7701	1091	48	-5	22	21.32	2.50	3.86
HPE00129	74.95	75.75	0.8		5846	2710	490	-1	-5	5	9.25	2.30	
HPE00130	75.75	77	1.25		1500	874	205	-1	-5	1	1.64	3.32	
HPE00131	77	78.2	1.2		1195	242	166	-1	-5	1	1.35	3.22	
HPE00132	78.2	78.65	0.45		7077	5743	564	16	6	12	10.25	2.51	
HPE00133	78.65	79.5	0.85		23600	5634	1667	16	6	91	28.75	2.99	
HPE00134	79.5	80.3	0.8		5213	5158	407	6	-5	12	7.48	2.53	

HPE00135	80.3	80.75	0.45	562	558	115	13	7	2	0.51	3.99
HPE00136	80.75	81.35	0.4	2957	2211	251	14	-5	10	3.9	2.75
HPE00137	81.35	81.5	0.15	3710	5240	310	6	-5	6	4.21	3.19
HPE00138	81.5	82	0.5	27200	2419	1920	4	-5	50	33.61	2.95
HPE00139	82	82.35	0.35	1391	514	144	-1	-5	1	1.67	3.03
HPE00141	82.35	83.85	1.5	403	53	94	-1	-5	-1	0.21	6.96
HPE00142	83.85	85	1.15	664	115	116	3	-5	7	0.37	6.51
HPE00143	85	86.3	1.3	541	116	95	-1	-5	1	0.37	5.31
HPE00144	86.3	87.45	1.15	543	124	101	-1	-5	-1	0.4	4.93
HPE00145	87.45	88.45	1	1521	577	172	3	-5	4	1.83	3.02
HPE00146	88.45	89.4	0.95	1500	1057	162	-1	-5	4	1.6	3.40
HPE00147	89.4	90.9	1.5	714	234	108	3	-5	2	0.67	3.87
HPE00148	127.7	128.25	0.55	1563	872	145	6	7	6	1.65	3.44
HPE00149	136.2	137.7	1.5	205	311	55	1	-5	-1	0.1	7.34
HPE00150	137.7	138	0.3	3386	38000	317	76	-5	8	7.59	1.59
HPE00151	138	138.7	0.7	376	2745	76	1	-5	-1	0.57	2.35
HPE00152	142.55	143.95	1.4	573	151	117	2	-5	-1	0.44	4.73
HPE00153	143.95	144.25	0.3	9411	3584	696	5	-5	15	10.56	3.24
HPE00154	144.25	144.9	0.65	937	946	81	4	6	3	0.76	4.46
HPE00155	144.9	146.4	1.5	3533	1116	272	3	-5	10	4.26	3.02

RÉSULTATS DE GÉOCHIMIE - COMPOSITES

ECH. NO.	*De (m)*	*A (m)*	*Longueur (m)*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Fe (%)*	*S (%)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*Ni/S*	*S.G. (t/m³)*	*Ag (ppb)*	*Pb (%)*	*Zn (%)*
C-151-02A	32.95	42	9.05	418	76	95		0.21	-1	-5	-1					
C-151-02B	42	50.5	8.5	567	57	136		0.14	-1	-5	-1					
C-151-02C	54.95	64.05	9.1	621	72	139		0.2	-1	-5	-1					
C-151-02D	90.9	105	14.1	805	213	115		0.74	2	9	1					
C-151-02E	146.4	160.1	13.65	2748	1589	247		3.8	3	-5	6					

RÉSULTATS DE GÉOCHIMIE - WHOLE ROCK

ECH NO.	*DE (m)*	*TO (m)*	*ROCHE*	*SiO2 (%)*	*TiO2 (%)*	*Al2O3 (%)*	*Fe2O3 (%)*	*MnO (%)*	*MgO (%)*	*CaO (%)*	*Na2O (%)*	*P2O5 (%)*	*Cr2O3 (%)*	*K2O (%)*	*LOI (%)*	*Total (%)*	*Ba (ppm)*	*Nb (ppm)*	*Rb (ppm)*	*Sr (ppm)*	*V (ppm)*	*Y (ppm)*	*Th (ppm)*	*Cs (ppm)*	*Ta (ppm)*	*Zr (ppm)*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*
A-47175	34.25	34.5	I4I	43.5	0.4	5.02	19.5	0.23	24.1	2.07	0.53	0.04	0.04	1.51	2.41	99.4	451	5	83	18	100	15	-2	18	-10	31	463	114	102	1	-5	-1	0.34
A-47176	44.4	44.6	I4I	40.8	0.63	5.14	18.6	0.24	25.8	3.01	0.66	0.09	0.04	0.51	4.27	99.8	303	3	19	41	109	10	-2	18	-10	61	641	33	149	1	-5	-1	0.11
A-47177	49.2	49.4	I4I	40.5	0.62	5.16	18.1	0.24	25.4	2.96	0.61	0.1	0.04	0.52	5.4	99.6	269	3	23	45	93	11	-2	16	-10	69	643	41	151	1	-5	-1	0.09
A-47178	61.5	61.7	I4I	40.9	0.59	5.02	18.7	0.25	26.3	2.76	0.61	0.1	0.04	0.57	3.84	99.7	325	4	27	49	110	11	-2	7	-10	68	671	33	153	-1	-5	-1	0.1
A-47180	71.4	71.6	MS	43.7	0.59	6.02	20.5	0.27	24.1	3.56	0.6	0.09	0.03	0.51	0.22	100	260	3	29	50	105	12	-2	18	-10	61	570	33	146	1	-5	-1	0.11
A-47179	84	84.2	I3K	42.6	0.42	10.8	16.1	0.22	21.1	5.54	0.95	0.07	0.03	0.45	1.23	99.4	292	3	14	87	82	7	-2	17	-10	44	496	32	119	1	-5	-1	0.11
A-47181	101.4	102	I3K	44.5	0.69	9.69	17.1	0.23	20.1	5.9	1.21	0.1	0.04	0.48	0.14	100	296	5	33	78	135	16	-2	17	-10	62	420	87	121	1	-5	-1	0.24
A-47182	117.4	118	I3K	45.2	0.69	11.1	15.0	0.22	16.5	7.15	1.23	0.08	0.05	0.85	0.95	99.1	495	6	48	119	148	18	-2	15	-10	58	284	62	95	-1	-5	-1	0.11
A-47183	129.2	129	I3K	49.0	0.78	16.0	12.0	0.19	7.56	9.4	1.66	0.07	0.04	0.89	1.34	99.0	450	5	43	155	306	18	-2	15	-10	46	65	107	52	-1	-5	-1	0.1
A-47184	133.4	134	I3K	42.2	0.4	8.96	16.9	0.23	20.6	5.51	0.84	0.06	0.04	0.31	2.82	98.8	245	4	23	77	105	9	-2	15	-10	34	431	39	130	4	-5	2	0.13
A-47185	135	135	I3K	49.6	1.5	15.0	9.51	0.19	6.39	7.92	3.48	0.27	0.02	1.68	3.56	99.1	394	12	71	183	301	53	-2	17	-10	169	78	49	43	-1	-5	-1	0.03
A-47186	146.8	147	I3K	44.3	0.59	14.0	21	0.16	7.84	6.27	1.59	0.08	0.08	0.99	2.15	99	415	6	50	131	210	14	-2	14	-10	55	3220	860	338	3	-5	13	4.26
A-47187	156.4	157	I3K	45.3	0.72	13.2	20.5	0.18	8.86	6.74	1.41	0.1	0.08	0.54	1.6	99.3	305	6	33	106	247	15	-2	14	-10	60	2720	771	276	3	-5	6	3.36
A-47188	160.2	160	I3A	44.8	4.04	14.5	16.9	0.21	5.11	7.78	3.11	0.8	-0.01	1.61	0.43	99.2	1078	21	58	308	304	53	-2	18	-10	307	114	100	67	2	-5	-1	0.25
A-47189	161.7	162	I3A	44.2	4.8	13.4	18.6	0.24	4.76	7.92	2.78	0.91	-0.01	0.98	0.82	99.5	640	23	53	266	305	59	-2	16	-10	346	49	63	56	1	-5	-1	0.1

JOURNAL DE SONDAGE

TROU NO: 151-03

ZONE: Haut-Plateau Est

FALCONBRIDGE LTD
EXPLORATION

Numéro du projet:	PN151	*Système de référence:*	UTM NAD27 Canada Zone			*Débuté le:*	5/3/2001
Claim No:	5233399					*Terminé le:*	5/3/2001
Localisation:		*Collet:*	*Est:*	613245	*m*	*Casing:*	Left in hole ca
Contracteur:	Bradley		*Nord:*	5721734	*m*	*Wedges:*	
Arpenteur:	Falconbridge		*Élévation:*		*m*	*Dimension de la carotte:*	BQ
			Azimuth:	231	°	*Cimenté:*	No
			Dip:	-50	°	*Bouchon:*	☐
			Longeur:	80	*m*	*Cap:*	☑
						Eau:	☐

Remarques:

TEST DE DEVIATION

Profondeur (m)	*Inclinaison* (degré)	*Azimuth* (degré)	*Type de test*
7	-51	231	Acide
40	-48	231	Acide
80	-52	231	Acide

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*		*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm	
4	8.15	**Paragneiss** (M4) GR, EP, PL, QZ, +-BO, GP (tr), SU(!-3)	4- 8.15m. F à 058ca, défini par bande mm de M4								
8.15	8.65	**Granulitic Gabbro** (I3E) PX+BO(30-35), PL(65-70), HT(1-2), QZ(10)	8.15- 8.16m. B à 053ca, contact franc 8.64- 8.65m. B à 065ca, contact franc								
8.65	11.2	**Paragneiss** (M4) GR, EP, PL, QZ, +-BO, GP (tr), SU(1-3)	8.65- 11.2m. F à 058ca, défini par bande mm de M4								
11.2	14.9	**Paragneiss** (M4) EP, GP, PO	11.2- 14.9m. Rb à 060ca	po po		HPE00035	13.40	14.90	1.50	35.00	
14.9	55.3	**Granulitic Gabbro** (I3E) PX(30-35), PL(60-65), BO(5), OL(1-5)	14.9- 14.91 B à 060ca, avec alteration pervasive en EP, leger rubanement au contact 53.6- 55.3m. B Zone de contact avec M4 caractérisé parVNcm (SI, BO(5-7))	gr gr	14.9- 17.25m. PO(tr) 17.25- 18.15m PO(15-25), CP amas fo à 070ca, semble localement developper text. en filet -40-45% PO sur les 10cm final 18.15- 21.35m PO(10-15), amas étirer ds plan de fo 21.35- 21.6m. PO(30-35) ds zone de faille à 070ca 21.6- 23.95m. PO(7-10) diss. ou en amas étirer p/r à fo à 055ca - 25-30% SU sur 5cm au contact avec faille de 2cm à 055ca 23.95- 25.2m. PO+CP(15-20) amas intertitiel au PL+PX, certaine zone sont étirer p/r à fo, d'autres montrent une texture bréchique avec fragment sud-anguleux à arrondis de I3A ds une matrice de PO+CP+/-PN	HPE00036	14.90	16.20	1.30	125.00	Tr. sulf
						HPE00037	16.20	16.80	0.60	656.00	
						HPE00038	16.80	17.25	0.45	143.00	
						HPE00039	17.25	18.15	0.90	1901.00	Sulf en amas
						HPE00041	18.15	19.15	1.00	480.00	
						HPE00042	19.15	19.45	0.30	1696.00	
						HPE00043	19.45	20.40	0.95	476.00	
						HPE00044	20.40	21.35	0.95	951.00	
						HPE00045	21.35	21.60	0.25	2877.00	
						HPE00046	21.60	22.60	1.00	1096.00	Sulf en amas
						HPE00047	22.60	23.95	1.35	640.00	
						HPE00048	23.95	25.20	1.25	2579.00	
						HPE00049	25.20	25.75	0.55	584.00	
						HPE00050	25.75	26.45	0.70	263.00	
						HPE00051	26.45	27.85	1.40	2615.00	Mx
						HPE00052	27.85	28.65	0.80	1583.00	
						HPE00053	28.65	29.60	0.95	776.00	

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm	
				25.2- 26.45m. PO+/-CP(5-8) amas étirer p/r à fo	HPE00054	29.60	30.15	0.55	2647.00	du.
					HPE00055	30.15	30.35	0.20	5444.00	
				26.45- 27.85m PO+/-CP+/-PN(20-25) forment une matrice autour des fg sub-anguleux à arrondi de I3A - les fg sont faiblement minéralisé (<1%). L'ensemble n'est pas minéralisé.	HPE00056	30.35	30.90	0.55	2461.00	
					HPE00057	30.90	31.35	0.45	7270.00	Mx
					HPE00058	31.35	32.50	1.15	4150.00	
					HPE00059	32.50	33.45	0.95	2428.00	
				27.85- 30.15m PO(10-15) diss., ds I3A fortement fo	HPE00061	33.45	34.80	1.35	2173.00	
					HPE00062	34.80	36.30	1.50	1149.00	
				30.15- 34.8m. PO+/-CP+/-PN(20-25) forment une matrice autour des fg sub-anguleux à arrondi de I3A, contient 45cm à 55-60% PO	HPE00063	36.30	37.80	1.50	1158.00	
					HPE00064	37.80	38.20	0.40	2059.00	Amas
					HPE00065	38.20	38.60	0.40	4157.00	
				34.8- 39.95m. PO(10-15) amas étirer p/r à fo à 073ca - zone de brèche gabbroique avc matrice de sulfure (PO(35-40)) variant entre 15-50cm, ces zones sont généralement des contacts net mais variable avec la minéralisation fo.	HPE00066	38.60	39.95	1.35	1818.00	
					HPE00067	39.95	40.35	0.40	2099.00	
					HPE00068	40.35	41.40	1.05	1250.00	
					HPE00069	41.40	42.70	1.30	3340.00	Mx
				39.95- 44.9m. PO+/-CP+/-PN(30-35) forment une matrice autour des fg sub-anguleux à arrondi de I3A, BO(10-15) g.m. au contact inf.	HPE00070	42.70	44.10	1.40	4442.00	
					HPE00071	44.10	44.40	0.30	6210.00	
					HPE00072	44.40	44.90	0.50	4211.00	
				44.9- 53.6m. PO+/-CP+/-PN(7-12) amas +/- étiré parallèle à fo ou diss finement	HPE00073	44.90	46.40	1.50	678.00	
					HPE00074	46.40	47.90	1.50	607.00	
					HPE00075	47.90	49.40	1.50	811.00	
					HPE00076	49.40	50.90	1.50	761.00	Amas
					HPE00077	50.90	51.90	1.00	1581.00	
					HPE00078	51.90	52.80	0.90	968.00	
					HPE00079	52.80	53.60	0.80	860.00	
					HPE00081	53.60	54.40	0.80	146.00	
					HPE00082	54.40	55.30	0.90	67.00	
55.3	66.4	**Paragneiss** (M4) EP, PL, QZ, +-BO, GP (2-3), SU(5-10)	55.3- 66.4m. F très bien développer à 047ca		HPE00083	55.30	56.80	1.50	41.00	

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
66.4	74.7	**Granulitic Gabbro** (I3E) PX, OL(10), BO(5-7), GR, SU(tr-1)	74.69- 74.7 B gr contact inf. net à 050ca gr	73.5- 74.05m. PO+CP(20-25) associer à une shear zone à 048ca, gabbro bréchifié où les sulfures forment la matrice, associer à veine de carbonates ou étirer parallèle à fo	HPE00084 HPE00085 HPE00086	72.00 73.50 74.05	73.50 74.05 74.70	1.50 0.55 0.65	380.00 1764.00 290.00
74.7	78.3	**Paragneiss** (M4) **74.70-77.00m Paragneiss(M4)** en paillette,		74.7- 78.3m. PO(5-7) bd mm parallèle à fo	HPE00087	74.70	76.20	1.50	379.00
78.3	80	**Granulitic Gabbro** (I3E) PX(1seule), PL		79.65- 80m. PO(10-12) ds gabbro fo à 035ca avec fg de SI+I3A, foliation défini par BO+CL	HPE00088 HPE00089	78.30 79.65	79.65 80.00	1.35 0.35	40.00 1058.00

Mx

RÉSULTATS DE GÉOCHIMIE - ASSAY

ECH. NO.	*DE*	*A*	*LONGUEUR*	*ROCHE*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*	*Ni (mss)*	*SG (t/m3)*
HPE00035	13.4	14.9	1.5		35	54	13	1	-5	-1	0.89	0.14	
HPE00036	14.9	16.2	1.3		125	60	62	-1	-5	-1	0.46	0.99	
HPE00037	16.2	16.8	0.6		656	331	179	4	-5	5	2.43	0.98	
HPE00038	16.8	17.25	0.45		143	64	73	-1	-5	-1	0.43	1.21	
HPE00039	17.25	18.15	0.9		1901	1169	456	3	-5	5	6.92	1.00	
HPE00041	18.15	19.15	1		480	219	138	3	-5	2	1.77	0.99	
HPE00042	19.15	19.45	0.3		1696	649	407	4	-5	5	6.35	0.97	
HPE00043	19.45	20.4	0.95		476	247	148	1	-5	1	1.82	0.95	
HPE00044	20.4	21.35	0.95		951	399	251	1	-5	2	3.45	1.00	
HPE00045	21.35	21.6	0.25		2877	933	655	16	-5	9	10.54	0.99	
HPE00046	21.6	22.6	1		1096	627	269	6	-5	4	4.23	0.94	
HPE00047	22.6	23.95	1.35		640	267	179	1	-5	2	2.41	0.97	
HPE00048	23.95	25.2	1.25		2579	1280	610	5	-5	6	9.7	0.97	
HPE00049	25.2	25.75	0.55		584	269	159	-1	-5	1	2.22	0.96	
HPE00050	25.75	26.45	0.7		263	167	97	1	-5	1	0.93	1.03	
HPE00051	26.45	27.85	1.4		2615	1212	577	1	-5	4	9.71	0.98	
HPE00052	27.85	28.65	0.8		1583	888	405	3	-5	5	5.39	1.07	
HPE00053	28.65	29.6	0.95		776	438	205	3	-5	4	2.93	0.96	
HPE00054	29.6	30.15	0.55		2647	1520	608	4	16	6	10.35	0.93	
HPE00055	30.15	30.35	0.2		5444	1108	1204	14	16	15	20.81	0.95	
HPE00056	30.35	30.9	0.55		2461	1642	558	18	-5	5	9.57	0.94	
HPE00057	30.9	31.35	0.45		7270	1147	1555	7	7	14	27.72	0.96	
HPE00058	31.35	32.5	1.15		4150	2178	931	17	-5	17	15.8	0.96	
HPE00059	32.5	33.45	0.95		2428	1821	572	4	-5	8	9.26	0.95	
HPE00061	33.45	34.8	1.35		2173	1099	471	4	11	4	8.36	0.95	
HPE00062	34.8	36.3	1.5		1149	613	273	4	-5	3	4.17	1.00	
HPE00063	36.3	37.8	1.5		1158	654	309	2	-5	3	4.25	0.99	
HPE00064	37.8	38.2	0.4		2059	843	490	11	-5	10	7.58	0.99	
HPE00065	38.2	38.6	0.4		4157	2960	977	23	-5	114	15.9	0.95	

HPE00066	38.6	39.95	1.35	1818	2016	395	10	-5	16	6.58	1.01
HPE00067	39.95	40.35	0.4	2099	1126	477	4	-5	15	7.35	1.04
HPE00068	40.35	41.4	1.05	1250	702	318	1	-5	4	4.53	1.01
HPE00069	41.4	42.7	1.3	3340	1670	772	10	-5	14	12.83	0.95
HPE00070	42.7	44.1	1.4	4442	2163	952	-1	8	4	18	0.90
HPE00071	44.1	44.4	0.3	6210	510	1360	6	-5	4	23.95	0.95
HPE00072	44.4	44.9	0.5	4211	1685	955	56	-5	44	17.68	0.87
HPE00073	44.9	46.4	1.5	678	508	183	-1	-5	3	2.75	0.90
HPE00074	46.4	47.9	1.5	607	326	171	-1	-5	2	2.33	0.95
HPE00075	47.9	49.4	1.5	811	609	210	2	-5	4	3.17	0.93
HPE00076	49.4	50.9	1.5	761	334	204	-1	-5	2	2.82	0.98
HPE00077	50.9	51.9	1	1581	840	347	4	-5	8	6.27	0.92
HPE00078	51.9	52.8	0.9	968	546	232	4	-5	2	3.51	1.00
HPE00079	52.8	53.6	0.8	860	455	201	2	-5	3	3.26	0.96
HPE00081	53.6	54.4	0.8	146	77	66	-1	-5	-1	0.45	1.18
HPE00082	54.4	55.3	0.9	67	25	29	-1	-5	-1	0.2	1.22
HPE00083	55.3	56.8	1.5	41	87	20	-1	-5	-1	0.87	0.17
HPE00084	72	73.5	1.5	380	196	96	4	-5	13	1.07	1.29
HPE00085	73.5	74.05	0.55	1764	10135	367	-1	-5	7	7.63	0.84
HPE00086	74.05	74.7	0.65	290	176	97	-1	-5	-1	1.03	1.03
HPE00087	74.7	76.2	1.5	379	282	47	-1	-5	5	1.4	0.99
HPE00088	78.3	79.65	1.35	40	25	33	-1	-5	-1	0.18	0.81
HPE00089	79.65	80	0.35	1058	555	254	-1	11	4	3.56	1.08

RÉSULTATS DE GÉOCHIMIE - COMPOSITES

RÉSULTATS DE GÉOCHIMIE - WHOLE ROCK

ECH NO.	*DE (m)*	*TO (m)*	*ROCHE*	*SiO2 (%)*	*TiO2 (%)*	*Al2O3 (%)*	*Fe2O3 (%)*	*MnO (%)*	*MgO (%)*	*CaO (%)*	*Na2O (%)*	*P2O5 (%)*	*Cr2O3 (%)*	*K2O (%)*	*LOI (%)*	*Total (%)*	*Ba (ppm)*	*Nb (ppm)*	*Rb (ppm)*	*Sr (ppm)*	*V (ppm)*	*Y (ppm)*	*Th (ppm)*	*Cs (ppm)*	*Ta (ppm)*	*Zr (ppm)*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*
A-47164	8.3	8.5	I3E	49.3	1.23	16	13.9	0.22	8.36	9.83	0.42	0.13	0.02	0.47	-0.5	99.4	539	5	27	185	307	17	-2	20	-10	74	105	19	72	-1	-5	-1	0.26
A-47161	15.6	15.8	I3E	52	1.16	16.1	12.2	0.18	6.81	9.62	1.34	0.19	0.03	0.3	-0.1	99.8	445	8	11	221	271	15	-2	6	-10	95	84	26	55	1	-5	-1	0.31
A-47162	26	26.2	I3E	51.2	0.42	16.2	8.34	0.14	9.18	10.3	2.1	0.06	0.05	0.57	1.09	99.6	368	5	10	214	222	8	-2	9	-10	44	45	16	41	-1	-5	-1	0.08
A-47163	47.7	47.9	I3E	48.9	0.52	13.8	15.0	0.2	11	7.59	1.32	0.09	0.08	0.41	0.23	99.2	259	3	17	162	234	8	-2	11	-10	43	346	171	120	1	-5	-1	1.23
A-47165	67.1	67.3	I3E	50.1	0.94	17.3	11.1	0.17	7.77	9.72	1.94	0.12	0.05	0.55	-0.04	99.7	414	6	11	182	224	13	-2	14	-10	83	63	22	55	-1	-5	-1	0.21
A-47166	78.8	79	I3E	55.3	1.05	15.1	11.3	0.18	7.97	7.35	1.21	0.17	0.06	0.37	-0.1	99.8	408	8	20	176	243	13	-2	12	-10	95	38	25	48	-1	-5	-1	0.15

JOURNAL DE SONDAGE

TROU NO: 151-04

ZONE: Haut-Plateau Est

FALCONBRIDGE LTD
EXPLORATION

Numéro du projet:	PN151	***Système de référence:***	UTM NAD27 Canada Zone			***Débuté le:***	5/8/2001
Claim No:	5233441					***Terminé le:***	5/8/2001
Localisation:		***Collet:***	***Est:***	614936	*m*	***Casing:***	Left in hole ca
Contracteur:	Bradley		***Nord:***	5722548	*m*	***Wedges:***	
Arpenteur:	Falconbridge		***Élévation:***		*m*	***Dimension de la carotte:***	BQ
			Azimuth:	231	°	***Cimenté:***	No
			Dip:	-70	°	***Bouchon:***	☐
			Longeur:	287	*m*	***Cap:***	☑
						Eau:	☐

Remarques:

TEST DE DEVIATION

Profondeur *(m)*	***Inclinaison*** *(degré)*	***Azimuth*** *(degré)*	***Type de test***
4	-67	231	Acide
50	-70	231	Acide
100	-70	231	Acide
150	-72	231	Acide
250	-71	231	Acide

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
2.8	3.4	**Tonalite** (I1D) BO à g.f							
3.4	59.3	**Ol gabbronorite** (I3K) PX(35-40), PG(55-60), BO(2-5), MT-IM(tr), OL(1-3) **6.30-6.70m Tonalite(I1D)** **14.70-17.29m Tonalite(I1D)** **21.00-21.95m Tonalite(I1D)** **21.95-23.00m Ol gabbronorite(I3K)** **26.90-35.00m Ol gabbronorite(I3K)** **36.23-59.30m Ol gabbronorite(I3K)** **49.80-49.95m Ol gabbronorite(I3K)** PX depleted	21- 23m. S contact sup. à 020ca et inf. à 035ca 33.6- 34.25 S Shear avec éponte à 045ca - injecté au centre par 10cm de QZ+PG pegmatite + BO + GR avec 8mm de CL+TC ds les épontes - de part et d'autre de l'injection on retrouve la gabbronorite fortement altéré en CL+TC se qui ternie sa textutre et couleur 35.2- 35.5m. S QZ+PG pegmatite filling à 060ca bordé par 1cm de CL et où on remarque une forte altération de I3Q en CL+TC de part et d'autre de l'injection	ma ma					
59.3	70	**Ol gabbronorite** (I3K) **62.70-63.40m Tonalite(I1D)** QZ+FP+GR **68.24-68.34m Massive Sulfide(MS)**		ma ma 68.24- 68.34m PO(40)+PN(1) veinule de massive sulphide avec bleb de PN ds PO	HPE00156 HPE00157 HPE00158 HPE00159	66.75 68.25 68.35 68.50	68.25 68.35 68.50 70.00	1.50 0.10 0.15 1.50	382.00 3841.00 468.00 370.00
70	287	**Norite** (I3J) Opx (45), PG(40), OL(2-5), BO(5), Spinel, CL+TC, SU(0-2) **92.73-93.00m Tonalite(I1D)** QZ+PG+EP?		86.2- 86.7m. PO(80)+CP(8) VN (MS) contenant fg M4 arrondi, davantage de fg de 3 à 6mm ds les éponte, contact sup. à 090ca et inf à 000ca 87.29- 87.293 PO(45), CP(55)	HPE00205 HPE00206 A-47190 HPE00207 HPE00208	188.30 189.80 191.30 191.80 192.60	189.80 191.30 191.80 192.60 194.10	1.50 1.50 0.50 0.80 1.50	8756.00 5165.00 9447.00 8035.00 4840.00

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure		*STRUCTURE ET TEXTURE*
		114.46-114.48m	()	
		QZ+EP+GR+BO à g.f.		
		129.82-130.23m	()	
		QZ+PG+BO+/-GR		
		133.20-133.28m	()	
		QZ+PG+BO+/-GR		
		134.20-134.22m	()	
		QZ+PG+BO+/-GR		
		139.45-139.46m	()	
		QZ+PG+BO+/-GR		
		140.60-140.61m	()	
		QZ+PG+BO+/-GR		
		143.10-143.13m	()	
		QZ+PG+BO+/-GR		
		186.50-186.60m	**Tonalite(I1D)**	
		191.85-192.00m	**Tonalite(I1D)**	
		228.00-229.00m	**Norite(I3J)**	
		263.50-264.40m	**Norite(I3J)**	
		BO(<20)		
		267.50-272.00m	**Norite(I3J)**	
		BO(20-40), SU(3-5)		

MINÉRALISATION	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
147.28- 152.2 PO(2-4)+CP(tr)	HPE00209	194.10	195.60	1.50	3681.00
diss g.f.	HPE00210	195.60	197.10	1.50	2594.00
152.26- 152.6 PO(4-15)+CP(1)	HPE00211	197.10	198.60	1.50	3626.00
	HPE00212	198.60	199.60	1.00	2779.00
152.66- 153.9 PO(25)+CP(2-6)	HPE00213	199.60	200.70	1.10	2737.00
diss + VNmm suivant un plan à 060ca -la CP présente ds les VNmm et semble surtout présent ds les épontes des zones les plus minéralisé en PO	HPE00214	200.70	201.35	0.65	6823.00
	HPE00215	201.35	202.40	1.05	3620.00
	HPE00216	202.40	203.00	0.60	6747.00
153.9- 154.7m PO(5)+CP(tr)	HPE00289	203.00	204.40	1.40	5367.00
diss	HPE00290	204.40	206.00	1.60	3111.00
154.7- 155.1m PO(10)+CP(<=2)	HPE00291	206.00	207.30	1.30	1716.00
diss + fine VN orienté à 060ca	HPE00292	207.30	209.00	1.70	1855.00
155.1- 155.9m PO(5)+CP(<=1)	HPE00293	209.00	210.50	1.50	18.00
diss + fine VN	HPE00161	84.70	86.20	1.50	311.00
155.9- 156.2m PO(15)+CP(<=1)	HPE00162	86.20	86.70	0.50	19208.00
diss + fine VN	HPE00163	86.70	87.70	1.00	1066.00
156.2- 175.8m PO(2-5)+CP(tr)	HPE00164	87.70	89.05	1.35	154.00
diss+fine VN dont une VN de 2 cm de MS	HPE00168	122.70	123.30	0.60	502.00
175.8- 176.2m PO(15)+CP(4)	HPE00169	145.80	147.20	1.40	151.00
diss+amas SU plus abondant ds shear servant de matrice au porphyroblaste de HB	HPE00170	147.20	148.60	1.40	451.00
	HPE00171	148.60	149.70	1.10	1818.00
176.2- 181.57 PO(3-6)+CP(<=2)	HPE00172	149.70	150.75	1.05	2284.00
diss + fine VN avec bd 5cm ds zone de faiblesse injecté de liquide felsique ou non où la PO(20) sert comme matrice au po(HB)	HPE00173	150.75	152.20	1.45	2469.00
	HPE00174	152.20	153.90	1.70	7728.00
181.57- 183.7 PO(10-15), CP(<=5)	HPE00175	153.90	154.70	0.80	4901.00
diss + simili-text matriciel ne semble pas avoir d'orientation préférentiel	HPE00176	154.70	155.10	0.40	5835.00
	HPE00177	155.10	155.90	0.80	3617.00
183.73- 188.3 PO(4-8)+CP(<=1)	HPE00178	155.90	156.20	0.30	5994.00
diss	HPE00179	156.20	157.50	1.30	2780.00
	HPE00181	157.50	159.00	1.50	2596.00
	HPE00182	159.00	160.50	1.50	1579.00

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*
				188.3- 190.92 PO(15)+CP(4) diss+amas SU plus abondant ds shear servant de matrice au porphyroblaste de HB -section de 30cm à PO(50)+CP(tr) et po(HB)g.m.
				190.92- 191.3 PO(4-8)+CP(<=1) diss
				191.3- 191.85 PO(15-20)+CP(5) assay A-47190 falc-ni
				192- 192.6m. PO(10)+CP(<=1) diss
				192.6- 200.7m PO(2-5)+CP(<=1) diss+ fine VN
				200.7- 203m. PO(8-15)+CP(<=2) généralement diss, quelques VN 3mm (PO(100)) + VNmm (CP(100)) et bd où SU matrice à po(HB)
				203- 204.4m. PO+CP(45) diss+net texture
				204.4- 206m. PO+CP(15) diss., diminution de PO downhole à cette section
				206- 207.3m. PO+CP(5) diss
				207.3- 209m. PO+CP(5) [] ds bd 5cm PO(20) as net-texture + VN 3mm de MS
				209- 210.5m. PO(0) barren

ECH#	*DE*	*A*	*Longueur* (m)	*Ni* ppm
HPE00183	160.50	162.00	1.50	2627.00
HPE00184	162.00	163.50	1.50	3308.00
HPE00185	163.50	165.00	1.50	4011.00
HPE00186	165.00	166.50	1.50	4182.00
HPE00187	166.50	168.00	1.50	4687.00
HPE00188	168.00	169.50	1.50	2877.00
HPE00189	169.50	171.00	1.50	3141.00
HPE00190	171.00	172.50	1.50	3758.00
HPE00191	172.50	174.00	1.50	3889.00
HPE00192	174.00	175.00	1.00	3848.00
HPE00193	175.00	175.80	0.80	3602.00
HPE00194	175.80	176.20	0.40	5778.00
HPE00195	176.20	177.70	1.50	6115.00
HPE00196	177.70	179.20	1.50	5874.00
HPE00197	179.20	180.70	1.50	5619.00
HPE00198	180.70	181.60	0.90	5124.00
HPE00199	181.60	182.60	1.00	12106.00
HPE00201	182.60	183.75	1.15	11111.00
HPE00202	183.75	185.25	1.50	5013.00
HPE00203	185.25	186.75	1.50	4281.00
HPE00204	186.75	188.30	1.55	5081.00

RÉSULTATS DE GÉOCHIMIE - ASSAY

ECH. NO.	*DE*	*A*	*LONGUEUR*	*ROCHE*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*	*Ni (mss)*	*SG (t/m3)*
HPE00156	66.75	68.25	1.5		382	846	75	2	-5	2	0.7	1.98	
HPE00157	68.25	68.35	0.1		3841	849	325	3	-5	10	4.58	3.05	
HPE00158	68.35	68.5	0.15		468	256	88	4	-5	5	0.53	3.21	
HPE00159	68.5	70	1.5		370	208	82	-1	-5	1	0.47	2.86	
HPE00161	84.7	86.2	1.5		311	209	76	-1	-5	1	0.42	2.69	
HPE00162	86.2	86.7	0.5		19208	5376	1434	-1	-5	25	26.83	2.61	
HPE00163	86.7	87.7	1		1066	1749	130	8	14	5	1.6	2.42	
HPE00164	87.7	89.05	1.35		154	355	65	2	-5	-1	0.24	2.32	
HPE00168	122.7	123.3	0.6		502	260	111	3	-5	3	1.23	1.49	
HPE00169	145.8	147.2	1.4		151	113	64	1	-5	1	0.29	1.89	
HPE00170	147.2	148.6	1.4		451	208	66	9	-5	4	0.59	2.78	
HPE00171	148.6	149.7	1.1		1818	842	160	6	-5	11	2.17	3.05	
HPE00172	149.7	150.75	1.05		2284	882	182	4	5	11	2.4	3.46	
HPE00173	150.75	152.2	1.45		2469	2056	211	4	-5	6	3.16	2.84	
HPE00174	152.2	153.9	1.7		7728	4721	683	23	-5	18	10.53	2.67	
HPE00175	153.9	154.7	0.8		4901	1164	431	5	-5	17	6.44	2.77	
HPE00176	154.7	155.1	0.4		5835	805	451	5	-5	24	7.37	2.88	
HPE00177	155.1	155.9	0.8		3617	2440	280	9	-5	9	4.85	2.71	
HPE00178	155.9	156.2	0.3		5994	2226	412	8	-5	12	7.74	2.82	
HPE00179	156.2	157.5	1.3		2780	1442	231	5	23	9	3.39	2.98	
HPE00181	157.5	159	1.5		2596	2325	218	6	9	7	3.02	3.12	
HPE00182	159	160.5	1.5		1579	693	144	3	-5	5	1.9	3.02	
HPE00183	160.5	162	1.5		2627	950	211	2	-5	5	3.07	3.11	
HPE00184	162	163.5	1.5		3308	1342	269	3	-5	7	4.06	2.96	
HPE00185	163.5	165	1.5		4011	1902	317	4	-5	9	4.88	2.99	
HPE00186	165	166.5	1.5		4182	1200	342	6	5	10	4.45	3.42	
HPE00187	166.5	168	1.5		4687	4473	373	6	-5	12	6.17	2.76	
HPE00188	168	169.5	1.5		2877	805	239	3	-5	7	3.17	3.30	
HPE00189	169.5	171	1.5		3141	2675	282	4	-5	7	3.83	2.98	

HPE00190	171	172.5	1.5	3758	1193	309	3	-5	8	4.55	3.00	
HPE00191	172.5	174	1.5	3889	1335	314	2	-5	10	4.65	3.04	
HPE00192	174	175	1	3848	1353	317	4	-5	10	4.79	2.92	
HPE00193	175	175.8	0.8	3602	1727	291	8	-5	9	4.39	2.98	
HPE00194	175.8	176.2	0.4	5778	4624	396	74	-5	27	7.78	2.70	3.32
HPE00195	176.2	177.7	1.5	6115	2812	378	12	8	20	7.84	2.84	3.31
HPE00196	177.7	179.2	1.5	5874	2310	411	10	-5	15	7.71	2.77	3.14
HPE00197	179.2	180.7	1.5	5619	4461	407	7	-5	11	7.4	2.76	3.24
HPE00198	180.7	181.6	0.9	5124	4052	399	4	-5	9	6.69	2.78	3.2
HPE00199	181.6	182.6	1	12106	-5	-5	21	-5	46	15.47	2.85	3.57
HPE00201	182.6	183.75	1.15	11111	-5	-5	27	-5	26	15.05	2.69	3.49
HPE00202	183.75	185.25	1.5	5013	1398	380	3	-5	16	6.65	2.74	3.16
HPE00203	185.25	186.75	1.5	4281	1996	318	3	-5	9	5.34	2.91	3.19
HPE00204	186.75	188.3	1.55	5081	2010	367	4	-5	13	6.67	2.77	3.13
HPE00205	188.3	189.8	1.5	8756	2820	656	17	10	25	10.73	2.97	3.27
HPE00206	189.8	191.3	1.5	5165	2789	396	7	11	14	6.55	2.87	3.04
A-47190	191.3	191.8	0.5	9447	2920	700	11	-5	31	11.71	2.93	3.35
HPE00207	191.8	192.6	0.8	8035	4474	562	7	-5	9	9.57	3.05	3.23
HPE00208	192.6	194.1	1.5	4840	1647	415	3	-5	13	6.18	2.85	
HPE00209	194.1	195.6	1.5	3681	1897	309	3	-5	7	4.14	3.23	
HPE00210	195.6	197.1	1.5	2594	1418	218	2	-5	5	2.91	3.24	
HPE00211	197.1	198.6	1.5	3626	1413	300	1	-5	8	4.16	3.17	
HPE00212	198.6	199.6	1	2779	1125	248	-1	-5	7	3.43	2.95	
HPE00213	199.6	200.7	1.1	2737	1130	244	5	-5	8	3.36	2.96	
HPE00214	200.7	201.35	0.65	6823	3632	526	22	331	31	9.15	2.71	
HPE00215	201.35	202.4	1.05	3620	7615	293	10	-5	12	4.56	2.87	
HPE00216	202.4	203	0.6	6747	6293	453	16	-5	23	8.78	2.79	
HPE00289	203	204.4	1.4	5367	1507	377	8	-5	15	6.51	3.00	
HPE00290	204.4	206	1.6	3111	1880	292	10	19	12	3.76	3.01	
HPE00291	206	207.3	1.3	1716	1066	175	4	-5	5	2.05	3.04	
HPE00292	207.3	209	1.7	1855	986	168	4	-5	5	2.28	2.96	
HPE00293	209	210.5	1.5	18	28	28	1	-5	-1	0.09	0.73	

RÉSULTATS DE GÉOCHIMIE - COMPOSITES

ECH. NO.	*De (m)*	*A (m)*	*Longueur (m)*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Fe (%)*	*S (%)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*Ni/S*	*S.G. (t/m³)*	*Ag (ppb)*	*Pb (%)*	*Zn (%)*
C-151-04A	89.5	105	15.5	99	60	60		0.21	-1	-5	-1					
C-151-04B	105	114	9	75	68	65		0.31	-1	-5	-1					
C-151-04C	114	123	9	184	116	67		0.48	-1	-5	-1					
C-151-04D	123	134	11	78	63	52		0.21	-1	-5	-1					
C-151-04E	134	145.7	11.7	59	53	58		0.21	-1	-5	-1					
C-151-04F	210	225	15	31	34	50		0.23	-1	-5	-1					
C-151-04G	225	240	15	23	38	47		0.26	-1	-5	-1					
C-151-04H	240	255	15	20	37	60		0.28	-1	-5	-1					
C-151-04I	255	270	15	59	46	49		0.26	-1	-5	-1					

RÉSULTATS DE GÉOCHIMIE - WHOLE ROCK

ECH NO.	*DE (m)*	*TO (m)*	*ROCHE*	*SiO2 (%)*	*TiO2 (%)*	*Al2O3 (%)*	*Fe2O3 (%)*	*MnO (%)*	*MgO (%)*	*CaO (%)*	*Na2O (%)*	*P2O5 (%)*	*Cr2O3 (%)*	*K2O (%)*	*LOI (%)*	*Total (%)*	*Ba (ppm)*	*Nb (ppm)*	*Rb (ppm)*	*Sr (ppm)*	*V (ppm)*	*Y (ppm)*	*Th (ppm)*	*Cs (ppm)*	*Ta (ppm)*	*Zr (ppm)*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*
A-47191	63.92	64.1	I3K	43.6	0.64	10.3	15.8	0.21	20	5.37	1.28	0.09	0.03	0.9	0.87	99.1	396	5	50	79	94	16	-2	16	-10	68	397	40	126	1	-5	-1	0.13
A-47192	81.8	82	I3J	50.4	0.7	15.6	10.7	0.17	10.5	8.18	2.4	0.09	0.11	0.63	0.08	99.6	264	6	28	141	246	15	-2	16	-10	57	94	43	57	1	-5	2	0.12
A-12559	222	222	I3J	49.4	1.02	16.0	11.1	0.14	7.76	7.58	2.04	0.12	0.04	0.84	3.8	99.9	426	7	31	144	332	23	-2	17	-10	75	28	23	55	-1	-5	-1	0.18

JOURNAL DE SONDAGE

TROU NO: 151-05

ZONE: Haut-Plateau Est

FALCONBRIDGE LTD
EXPLORATION

Numéro du projet:	PN151	*Système de référence:*	UTM NAD27 Canada Zone			*Débuté le:* 5/5/2001
Claim No:	5233441					*Terminé le:* 5/7/2001
Localisation:		*Collet:*	*Est:*	614926	*m*	*Casing:* Left in hole
Contracteur:	Bradley		*Nord:*	5722672	*m*	*Wedges:*
Arpenteur:	Falconbridge		*Élévation:*		*m*	*Dimension de la carotte:* BQ
			Azimuth:	231	°	*Cimenté:* No
			Dip:	-70	°	*Bouchon:* ☐
			Longeur:	180	*m*	*Cap:* ☑
						Eau: ☐

Remarques:

TEST DE DEVIATION

Profondeur (m)	*Inclinaison* (degré)	*Azimuth* (degré)	*Type de test*
4	-70	231	Acide
50	-70	231	Acide
100	-70	231	Acide
150	-70	231	Acide

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
4	26	**Paragneiss** (M4) QZ+FP, GR(15-25), BO(5-7), GP(tr-2), oeQZ(5-10)	4- 26m. F à 045ca Slip CL à 025ca et 060ca						
26	26.9	**Ol gabbronorite** (I3K) OPX(10), CPX(5), AMvert(25), PG(43), BO(2), QZ(3), MT+IM(8), SU(7)	26- 26.9m. B downhole SO; à 043ca		HPE00165	26.00	26.90	0.90	114.00
26.9	27.95	**Paragneiss** (M4) QZ+FP, GR(15-25), BO(5-7), GP(tr-2), oeQZ(5-10)	26.9- 27.95 F folié à 055ca downhole S0; à065ca						
27.95	32.4	**Ol gabbronorite** (I3K) Opx(10-15), Cpx(10-15), BO+/-AM, PG(60-65), OL(1-2?)	27.95- 32.4 B downhole S0; à 038ca						
32.4	34.05	**Paragneiss** (M4) QZ+FP, GR(5-7)	32.4- 34.05 F S1 à 054ca						
34.05	42.25	**Ol gabbronorite** (I3K) Opx+Cpx(30-35), PG, BO, Spinel, OL(<=1)							
42.25 47.5	51.5	**Paragneiss** (M4) QZ+FP, GR98), BO(15), SU(<=2)	42.25- 51.5 F S1 à 080ca	48.7- 48.8m. PO(45) bd dcm à PO(45) à net-texture englobant fg M4 arrondi de 3 à 6mm. Net-Work of Vein 51.3- 51.4m. PO(45) bd dcm à PO(45) à net-texture englobant fg M4 arrondi de 3 à 6mm.	HPE00166 HPE00167	48.50 51.00	48.80 51.40	0.30 0.40	2584.00 3997.00
51.5	55.1	**Peridotite** (I4I) OL(60), PG(10), BO(tr), SP(30), MT+IM(1) **51.70-51.72m** **Diorite(I2J)** HB(10), QZ+FP	51.5- 55.1m. S CL2/m souvent caractériser par AM ds les épontes						
55.1	56.8	**Granite** (I1B)	55.1- 56.8m. B S0 à 020ca						

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
56.8	67.1	**Peridotite** (I4I) OL(60), PG(10), BO(tr), SP(30), MT+IM(1)	ma ma						
67.1	69	**Tonalite** (I1D) QZ+FP, BO, HB(8)	67.1- 69m. B S0 up and downhole à 035ca						
69	93.7	**Peridotite** (I4I) OL(60), PG(10), BO(tr), SP(30), MT+IM(1)							
93.7	97.6	**Paragneiss** (M4) GR, BO, GP(tr), SU(tr-2)	93.7- 97.6m. B uphole S0 à 045ca, downhole S0 à 020ca						
97.6	100.4	**Peridotite** (I4I) OL(60), PG(10), BO(tr), SP(30), MT+IM(1) **98.60-98.90m** **Granite(I1B)**							
100.4	114.8	**Diorite** (I2J) HB(<10)	100.4- 114.8 B downhole S0 à 045ca						
114.8	165.2	**Peridotite** (I4I) OL(60), PG(10), BO(tr), SP(30), MT+IM(1) **131.80-131.90m** **Granite(I1B)** **132.90-133.00m** **Granite(I1B)**		120.9- 120.95 bleb de PO ds VN (PG+po(HB))					
165.2	180	**Ol gabbronorite** (I3K) PG, QZ, OL, PX, BO, SU(<=2)							

RÉSULTATS DE GÉOCHIMIE - ASSAY

ECH. NO.	*DE*	*A*	*LONGUEUR*	*ROCHE*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*	*Ni (mss)*	*SG (t/m3)*
HPE00165	26	26.9	0.9		114	32	65	1	-5	-1	0.9	0.46	
HPE00166	48.5	48.8	0.3		2584	952	198	98	-5	11	2.96	3.17	
HPE00167	51	51.4	0.4		3997	914	318	4	-5	7	5	2.91	

RÉSULTATS DE GÉOCHIMIE - COMPOSITES

ECH. NO.	*De (m)*	*A (m)*	*Longueur (m)*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Fe (%)*	*S (%)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*Ni/S*	*S.G. (t/m³)*	*Ag (ppb)*	*Pb (%)*	*Zn (%)*
C-151-05A	51.4	67	15.6	446	43	123		0.1	2	-5	-1					
C-151-05B	67	88	21	577	74	146		0.21	1	-5	-1					
C-151-05C	88	93.7	5.7	546	59	149		0.17	1	-5	-1					
C-151-05D	114.8	130	15.2	549	44	152		0.15	-1	-5	-1					
C-151-05E	130	145	15	513	78	134		0.15	2	-5	-1					

RÉSULTATS DE GÉOCHIMIE - WHOLE ROCK

ECH NO.	*DE (m)*	*TO (m)*	*ROCHE*	*SiO2 (%)*	*TiO2 (%)*	*Al2O3 (%)*	*Fe2O3 (%)*	*MnO (%)*	*MgO (%)*	*CaO (%)*	*Na2O (%)*	*P2O5 (%)*	*Cr2O3 (%)*	*K2O (%)*	*LOI (%)*	*Total (%)*	*Ba (ppm)*	*Nb (ppm)*	*Rb (ppm)*	*Sr (ppm)*	*V (ppm)*	*Y (ppm)*	*Th (ppm)*	*Cs (ppm)*	*Ta (ppm)*	*Zr (ppm)*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*
A-47193	11.7	11.9	M4	48.1	1.73	14.7	16	0.23	9.15	9.49	0.76	0.23	0.03	0.4	-0.6	100	516	9	36	133	311	37	-2	16	-10	112	120	18	75	1	-5	-1	0.19
A-47194	26.6	26.8	I3K	46.7	1.99	15.9	13.7	0.21	7.41	9.01	0.95	0.26	0.03	0.93	2.32	99.4	684	10	49	139	342	44	-2	12	-10	144	102	27	72	-1	-5	-1	0.48

JOURNAL DE SONDAGE | **TROU NO: 151-05ex** | FALCONBRIDGE LTD

ZONE: Haut-Plateau Est | EXPLORATION

Numéro du projet:	PN151	***Système de référence:***	UTM NAD27 Canada Zone	***Débuté le:***	3/27/2002
Claim No:	CDC 1026493			***Terminé le:***	3/31/2002
Localisation:		***Collet:*** ***Est:***	614922.49 *m*	***Casing:***	Left in hole
Contracteur:	Bradley	***Nord:***	5722680.84 *m*	***Wedges:***	
Arpenteur:	Rockwell	***Élévation:***	920.56 *m*	***Dimension de la carotte:***	BQ
		Azimuth:	231 °	***Cimenté:***	No
		Dip:	-70 °	***Bouchon:***	☐
		Longeur:	473 *m*	***Cap:***	☑
				Eau:	☐

Remarques:

TEST DE DEVIATION

Profondeur *(m)*	***Inclinaison*** *(degré)*	***Azimuth*** *(degré)*	***Type de test***
4	-70	231	Acide
50	-68	231	Acide
100	-69	231	Acide
150	-70	231	Acide
200	-70	231	Acide
300	-70	231	Acide
395	-70	231	Acide

473	-71	231	Acide

DE (m)	*A* (m)	*DESCRIPTION* *Lithologie Majeure et Mineure*	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
180	194	**Ol gabbronorite** (I3K) OPX(5), CPX(35-40), OL(1-3), PG, BO(3-10) D: grey & creamy green, mgr, mag:N, / Ing. mm-cm [I2J, AM(30), mgr, equigranular] 0.7inj./m, in many orientation T: intergranular diffuse by a sstrong alt A: S-Our of CPX as Chl+.-Carb & OPX as antigorite							
194	201.2	**Ol gabbronorite** (I3K) mafic (45) BO(5-15) D: green & white bleuish as clu of PG, cgr, mag:M, both So diffuse							
201.2	235	**Ol gabbronorite** (I3K) OPX(5), CPX(35-40), OL(1-3), PG, BO(3-10) D: grey & creamy green, mgr, mag:N, / Ing. mm-cm [I2J, AM(30), mgr, equigranular] 0.7inj./m, in many orientation T: intergranular diffuse by a sstrong alt A: S-Our of CPX as Chl+.-Carb & OPX as antigorite							
235	238.3	**Pegmatite** (I1G) D: I1G[I1D, EP], down diffuse by a really blocky core S: up So @040ca A: EP pervasive-M & Chl VN-W							
238.3	261.5	**Norite** (I3J) OPX PG BO(2) D: grey & bleuish creamy, fgr, mag:N T: sub-ohitic S: fo @045ca and well develop at upper So, VNmm(Chl) as Sl 10-20Sl/m +Slk @080ca, The last 13.5 m of this section is a fault zone. A: S-I Chl as VN M: PO(2), diss							

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*
261.5	296.55	**Ol gabbronorite** (I3K) PX+AM(60-65) BO(4-10) OL(5) D: grey & green, mgr, mag:M-S T: intergranular A: W-Chl as VN S: msv, bothSo @055ca & net M: PO(3-7) CP(tr) mostly diss + VNmm(MS) + bleb [] in one bd of 30cm		261.5- 265.65 PO (3) diss. 265.65- 266.4 PO (6) diss. 266.4- 267.1m PO (4) diss. 267.1- 268.75 PO (4) diss. 268.75- 270.6 PO (5) diss. 270.65- 272.2 PO (4) diss. 272.2- 273.7m PO (5) diss. 273.7- 275m. PO (6) diss. 275- 278.55m. PO (2) diss. 278.55- 280.8 PO (7) diss. 280.8- 281.6m PO (5) diss. 281.6- 282.45 PO (7) +CPY (tr) diss. + blebs 282.45- 283.9 PO (7) diss. 283.9- 285.3m PO (4) diss.

ECH#	*DE*	*A*	*Longueur* (m)	*Ni* ppm
HPE-00447	265.65	266.40	0.75	2500.00
HPE-00448	266.40	267.10	0.70	2100.00
HPE-00449	267.10	268.75	1.65	2200.00
HPE-00450	268.75	270.65	1.90	2700.00
HPE-00451	270.65	272.20	1.55	3000.00
HPE-00452	272.20	273.70	1.50	2700.00
HPE-00453	273.70	275.00	1.30	2700.00
HPE-00454	278.55	280.80	2.25	2300.00
HPE-00455	280.80	281.60	0.80	2100.00
HPE-00456	281.60	282.45	0.85	1900.00
HPE-00457	282.45	283.90	1.45	2400.00
HPE-00458	283.90	285.30	1.40	2700.00
HPE-00459	285.30	286.85	1.55	2800.00
HPE-00461	286.85	287.65	0.80	3200.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
				285.3- 286.85 PO (3) diss.					
				286.85- 287.6 PO (3) diss.					
				287.65- 296.5 PO (3) diss.					
296.55	323.35	**Ol gabbronorite** (I3K) PX+AM(40), BO(3), PG(57) D: m grey & black spoted, m-cgr, mag:M, chil margin at up So on 1 m gradual T: intergranular							
323.35	327.6	**Peridotite** (I4I)			HPE-00575	323.35	324.80	1.45	100.00
					HPE-00576	324.80	325.95	1.15	1900.00
					HPE-00577	325.95	327.00	1.05	1500.00
					HPE-00578	327.00	327.50	0.50	2100.00
327.6	332	**Pegmatite** (I1G) D: I1G[I1D,EP] A: W-EP pervasive S: both @040ca			HPE-00579	327.50	333.00	5.50	1900.00
332	335.2	**Peridotite** (I4I)			HPE-00581	333.00	334.50	1.50	2500.00
					HPE-00582	334.50	335.20	0.70	2200.00
335.2	344.3	**Norite** (I3J) OPX(35-40), BO(5) D: beige & bleuish, fgr, mag:N, the 3 first m are intercolate with I3K, S-ouralitisation + Srp, the down So is gradual and diffuse T: intergranular +/- sub-ophitic S: light fo at up So and than msv; up So net @045ca M: PO(2) diss		335.2- 344.3m PO (2) diss.	HPE-00583	335.20	336.80	1.60	1100.00
					HPE-00584	336.80	338.80	2.00	500.00
					HPE-00585	338.80	340.25	1.45	800.00
					HPE-00586	340.25	341.75	1.50	1900.00
					HPE-00587	341.75	343.00	1.25	2000.00
					HPE-00588	343.00	344.50	1.50	2100.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
344.3	356.45	**Ol gabbronorite** (I3K) PX(50) BO(5) D: grey +/- green cream +/- green +/- bleuish, m-cgr, mag:M, / intercolate with bd 15-30cm I3J T: intergranular A: W-S our & M-Srp into OL rich		344.3- 346m. PO (2) diss. 346- 347.6m. PO (2) diss. 347.6- 348.4m PO (5) diss. 348.4- 349.8m PO (3) diss. 349.8- 356.45 PO (2) diss.	HPE-00589 HPE-00462 HPE-00463 HPE-00464	344.50 346.00 347.60 348.40	346.00 347.60 348.40 349.80	1.50 1.60 0.80 1.40	1900.00 1900.00 2500.00 2000.00
356.45	361.85	**Pegmatite** (I1G) BO(2-5) GR(3) D: I1B, BO,GR,EP							
361.85	370.8	**Diorite** (I2J) AM(45) BO(5) D: green & white, mgr, mag:M, contain fg [I3K, S-our as Chl] 2-10mm sub-angular S: equigranular M: PO(2-5) diss		361.85- 367.5 PO (2) diss. 367.5- 369.1m PO (3) diss. 369.1- 370.1m PO (5) diss. 370.1- 370.75 PO (3) diss.	HPE-00465 HPE-00466 HPE-00467	367.50 369.10 370.10	369.10 370.10 370.75	1.60 1.00 0.65	2600.00 2600.00 2300.00
370.8	400.4	**Ol gabbronorite** (I3K) PX(50) BO(5) D: grey +/- green cream +/- green +/- bleuish, m-cgr, mag:M, / intercolate with bd 15-30cm I3J T: intergranular A: W-S our & M-Srp into OL rich M: PO(3) CP(tr) diss & [] in bd up to 10% PO+CP & as bleb		370.75- 371.7 PO (3) diss. 371.75- 386.9 PO (2) diss. 386.9- 388.45 PO (3) diss.	HPE-00468 HPE-00469 HPE-00470 HPE-00471 HPE-00472 HPE-00473	370.75 386.90 388.45 390.40 391.20 392.60	371.75 388.45 390.40 391.20 392.60 393.25	1.00 1.55 1.95 0.80 1.40 0.65	4300.00 2300.00 2400.00 2200.00 2500.00 2200.00

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
				388.45- 390.4 PO (7) diss.	HPE-00474	393.25	394.90	1.65	1800.00
				390.4- 391.2m PO (5) diss.					
				391.2- 392.6m PO (6) diss.					
				392.6- 393.25 PO (7) diss.					
				393.25- 394.9 PO (3) diss.					
				394.9- 400.4m PO (2) diss.					
400.4	448.4	**Norite** (I3J) OPX(35-40), BO(5) D: beige & bleuish, fgr, mag:N, the 3 first m are intercolate with I3K, S-ouralitisation + Srp, the down So is gradual and diffuse T: intergranular +/- sub-ophitic S: mostly msv intercolate with bd of light fo		400.4- 402.1m PO (4) diss.	HPE-00475	400.40	402.10	1.70	2200.00
					HPE-00476	402.10	403.90	1.80	3000.00
				402.1- 403.9m PO (3) diss.	HPE-00477	403.90	405.50	1.60	2900.00
					HPE-00478	405.50	406.15	0.65	4500.00
				403.9- 405.5m PO (1) diss.	HPE-00479	406.15	407.50	1.35	3000.00
					HPE-00481	407.50	409.60	2.10	2300.00
				405.5- 406.15 PO (10) +CPY (tr) diss. + blebs	HPE-00482	409.60	411.70	2.10	2500.00
					HPE-00483	411.70	413.70	2.00	2200.00
				406.15- 407.5 PO (7) +CPY (tr) diss. + blebs	HPE-00484	413.70	414.40	0.70	2900.00
					HPE-00485	414.40	416.50	2.10	3200.00
				407.5- 409.6m PO (5) +CPY (tr) diss. + blebs, intervals up to PO(10)	HPE-00486	416.50	417.55	1.05	6200.00
					HPE-00487	417.55	419.35	1.80	5500.00
				409.6- 411.7m PO (5) +CPY (tr) diss.	HPE-00488	419.35	420.20	0.85	5700.00
					HPE-00489	420.20	421.85	1.65	3700.00
				411.7- 413.7m PO (4) +CPY (tr) diss.	HPE-00490	421.85	423.10	1.25	2700.00
					HPE-00491	423.10	424.90	1.80	3500.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION
				413.7- 414.4m PO (2) diss.
				414.4- 416.5m PO (2) diss.
				416.5- 417.55 PO (20) +CPY (1) diss., net textured intervals, also veinlets
				417.55- 419.3 PO (10) diss. + intervals (10cm) with PO+CPY(70)
				419.35- 420.2 PO (8) diss. + intervals PO(30) + veinlets
				420.2- 421.85 PO (6) diss. + veinlets
				421.85- 423.1 PO (6) diss. + veinlets
				423.1- 424.9m PO (5) diss.
				424.9- 426.25 PO (15) diss. + net textured intervals PO+CPY (30-40)
				426.25- 428m. PO (5) diss.
				428- 429.4m. PO (8) diss.
				429.4- 430.7m PO (5) diss.
				430.7- 431.65 PO (3) diss.
				431.65- 432.3 PO (15) diss., net textured intervals

ECH#	DE (m)	A (m)	Longueur (m)	Ni ppm
HPE-00492	424.90	426.25	1.35	5300.00
HPE-00493	426.25	428.00	1.75	2400.00
HPE-00494	428.00	429.40	1.40	4300.00
HPE-00495	429.40	430.70	1.30	5100.00
HPE-00496	430.70	431.65	0.95	4100.00
HPE-00497	431.65	432.35	0.70	6100.00
HPE-00498	432.35	433.80	1.45	3500.00
HPE-00499	433.80	434.55	0.75	3900.00
HPE-00501	434.55	435.30	0.75	4000.00
HPE-00502	435.30	436.45	1.15	3500.00
HPE-00503	436.45	437.10	0.65	3000.00
HPE-00504	437.10	438.10	1.00	5400.00
HPE-00505	438.10	439.65	1.55	2900.00
HPE-00506	439.65	442.40	2.75	2500.00
HPE-00507	442.40	443.00	0.60	2100.00
HPE-00508	443.00	444.70	1.70	2100.00
HPE-00509	444.70	446.50	1.80	1200.00
HPE-00510	446.50	448.40	1.90	1400.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
				432.35- 433.8 PO (5) diss., net textured intervals PO(20)					
				433.8- 434.55 PO (8) diss.					
				434.55- 435.3 PO (8) diss., net textured intervals PO(15), veinlets					
				435.3- 436.45 PO (15) +CPY (tr) diss., net textured intervals PO(20)					
				436.45- 437.1 PO (5) +CPY (tr) diss., net textured intervals (5cm) PO+CPY(30)					
				437.1- 438.1m PO (15) +CPY (tr) diss., net textured intervals PO+CPY(35)					
				438.1- 439.65 PO (8) diss., net text					
				439.65- 442.4 PO (5) diss., net textured intervals (2cm) PO(35)					
				442.4- 443m. PO (5) diss.					
				443- 444.7m. PO (5) diss.					
				444.7- 446.5m PO (3) diss.					
				446.5- 448.4m PO (3) diss., net textured intervals (5cm) PO(15-20)					
448.4	469.95	**Ol gabbronorite** (I3K) PX(50) BO(5) D: grey +/- green cream +/- green +/- bleuish, m-cgr, mag:M, / intercolate with bd 15-30cm I3J T: intergranular A: W-S our & M-Srp into OL rich			HPE-00590	463.00	464.40	1.40	600.00
					HPE-00591	464.40	466.00	1.60	800.00
					HPE-00592	466.00	467.80	1.80	1500.00
					HPE-00593	467.80	469.95	2.15	900.00

DE (m)	*A* (m)	*DESCRIPTION* *Lithologie Majeure et Mineure*	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
		M: PO(3) CP(tr) diss & [] in bd up to 10% PO+CP & as bleb							
469.95	473	**Norite** (I3J) OPX(35-40), BO(5) D: beige & bleuish, fgr, mag:N, the 3 first m are intercolate with I3K, S-ouralitisation + Srp, the down So is gradual and diffuse T: intergranular +/- sub-ophitic			HPE-00594	469.95	471.50	1.55	1300.00

RÉSULTATS DE GÉOCHIMIE - ASSAY

ECH. NO.	*DE*	*A*	*LONGUEUR*	*ROCHE*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*	*Ni (mss)*	*SG (t/m3)*
HPE-00447	265.65	266.4	0.75		2500	1000	230						
HPE-00448	266.4	267.1	0.7		2100	800	200						
HPE-00449	267.1	268.75	1.65		2200	900	180						
HPE-00450	268.75	270.65	1.9		2700	1100	260						
HPE-00451	270.65	272.2	1.55		3000	1300	290						
HPE-00452	272.2	273.7	1.5		2700	1200	250						
HPE-00453	273.7	275	1.3		2700	1200	270						
HPE-00454	278.55	280.8	2.25		2300	1000	240						
HPE-00455	280.8	281.6	0.8		2100	800	180						
HPE-00456	281.6	282.45	0.85		1900	800	150						
HPE-00457	282.45	283.9	1.45		2400	1000	180						
HPE-00458	283.9	285.3	1.4		2700	1100	210						
HPE-00459	285.3	286.85	1.55		2800	1200	260						
HPE-00461	286.85	287.65	0.8		3200	1100	260						
HPE-00575	323.35	324.8	1.45		100	50	120						
HPE-00576	324.8	325.95	1.15		1900	700	140						
HPE-00577	325.95	327	1.05		1500	500	140						
HPE-00578	327	327.5	0.5		2100	800	190						
HPE-00579	327.5	333	5.5		1900	600	130						
HPE-00581	333	334.5	1.5		2500	1100	200						
HPE-00582	334.5	335.2	0.7		2200	2200	120						
HPE-00583	335.2	336.8	1.6		1100	600	170						
HPE-00584	336.8	338.8	2		500	300	180						
HPE-00585	338.8	340.25	1.45		800	300	80						
HPE-00586	340.25	341.75	1.5		1900	800	70						
HPE-00587	341.75	343	1.25		2000	900	190						
HPE-00588	343	344.5	1.5		2100	900	90						

HPE-00589	344.5	346	1.5	1900	800	200
HPE-00462	346	347.6	1.6	1900	800	220
HPE-00463	347.6	348.4	0.8	2500	1000	200
HPE-00464	348.4	349.8	1.4	2000	700	200
HPE-00465	367.5	369.1	1.6	2600	1100	240
HPE-00466	369.1	370.1	1	2600	1100	220
HPE-00467	370.1	370.75	0.65	2300	900	250
HPE-00468	370.75	371.75	1	4300	1900	380
HPE-00469	386.9	388.45	1.55	2300	800	240
HPE-00470	388.45	390.4	1.95	2400	900	230
HPE-00471	390.4	391.2	0.8	2200	1000	290
HPE-00472	391.2	392.6	1.4	2500	1100	250
HPE-00473	392.6	393.25	0.65	2200	1000	200
HPE-00474	393.25	394.9	1.65	1800	700	220
HPE-00475	400.4	402.1	1.7	2200	1000	180
HPE-00476	402.1	403.9	1.8	3000	1300	300
HPE-00477	403.9	405.5	1.6	2900	1200	220
HPE-00478	405.5	406.15	0.65	4500	1900	410
HPE-00479	406.15	407.5	1.35	3000	1400	240
HPE-00481	407.5	409.6	2.1	2300	1100	250
HPE-00482	409.6	411.7	2.1	2500	1100	220
HPE-00483	411.7	413.7	2	2200	1000	240
HPE-00484	413.7	414.4	0.7	2900	1200	210
HPE-00485	414.4	416.5	2.1	3200	1400	270
HPE-00486	416.5	417.55	1.05	6200	4400	480
HPE-00487	417.55	419.35	1.8	5500	1900	450
HPE-00488	419.35	420.2	0.85	5700	2200	450
HPE-00489	420.2	421.85	1.65	3700	1600	320
HPE-00490	421.85	423.1	1.25	2700	800	250
HPE-00491	423.1	424.9	1.8	3500	1600	300

HPE-00492	424.9	426.25	1.35	5300	2200	440
HPE-00493	426.25	428	1.75	2400	1100	230
HPE-00494	428	429.4	1.4	4300	1800	380
HPE-00495	429.4	430.7	1.3	5100	2400	450
HPE-00496	430.7	431.65	0.95	4100	1800	350
HPE-00497	431.65	432.35	0.7	6100	3700	580
HPE-00498	432.35	433.8	1.45	3500	1500	300
HPE-00499	433.8	434.55	0.75	3900	2600	310
HPE-00501	434.55	435.3	0.75	4000	2000	360
HPE-00502	435.3	436.45	1.15	3500	1300	230
HPE-00503	436.45	437.1	0.65	3000	1400	220
HPE-00504	437.1	438.1	1	5400	1700	490
HPE-00505	438.1	439.65	1.55	2900	1000	310
HPE-00506	439.65	442.4	2.75	2500	1100	200
HPE-00507	442.4	443	0.6	2100	1000	210
HPE-00508	443	444.7	1.7	2100	900	230
HPE-00509	444.7	446.5	1.8	1200	600	100
HPE-00510	446.5	448.4	1.9	1400	600	25
HPE-00590	463	464.4	1.4	600	200	110
HPE-00591	464.4	466	1.6	800	200	110
HPE-00592	466	467.8	1.8	1500	600	180
HPE-00593	467.8	469.95	2.15	900	300	80
HPE-00594	469.95	471.5	1.55	1300	600	25

RÉSULTATS DE GÉOCHIMIE - COMPOSITES

RÉSULTATS DE GÉOCHIMIE - WHOLE ROCK

Numéro du projet:	PN151	***Système de référence:***	UTM NAD27 Canada Zone			***Débuté le:***	5/23/2001
Claim No:	5233441					***Terminé le:***	5/23/2001
Localisation:		***Collet:***	***Est:***	614853	***m***	***Casing:***	Left in hole ca
Contracteur:	Bradley		***Nord:***	5722715	***m***	***Wedges:***	
Arpenteur:	Falconbridge		***Élévation:***		***m***	***Dimension de la carotte:***	BQ
			Azimuth:	231	°	***Cimenté:***	No
			Dip:	-70	°	***Bouchon:***	☐
			Longeur:	301	***m***	***Cap:***	☑
						Eau:	☐

Remarques:

TEST DE DEVIATION

Profondeur *(m)*	***Inclinaison*** *(degré)*	***Azimuth*** *(degré)*	***Type de test***
4	-70	231	Acide
50	-68	231	Acide
100	-69	231	Acide
150	-71	231	Acide
200	-71	231	Acide
250	-70	231	Acide
300	-71	231	Acide

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
4	8.5	**Paragneiss** (M4) QZ+FP, CL(15-20), GR(15-20), oeQZ(5-10),	4- 8.5m. F S1 à 045ca						
8.5	11.95	**Tonalite** (I1D) QZ+FP, HB(<10)							
11.95	14.15	**Paragneiss** (M4) QZ+FP, CL(15-20), GR(15-20), oeQZ(5-10),							
14.15	14.7	**Pegmatite** (I1G)	14.15- 14.7 B S0 à 060 ca						
14.7	15.7	**Amphibolite** (M16) HB(35), BO(3-5), PG, SU(tr)	14.7- 15.7m. B uphole SO; à 060ca downhole S0; à 020						
15.7	17.3	**Paragneiss** (M4) QZ+FP, CL(15-20), GR(15-20), oeQZ(5-10),	15.7- 17.3m. F S1 à 040ca						
17.3	18.3	**Amphibolite** (M16) HB(35), BO(3-5), PG, SU(tr)	17.3- 18.3m. B uphole S0 à 035ca downhole S0 à 020ca						
18.3	20.35	**Paragneiss** (M4) QZ+FP, CL(15-20), GR(15-20), oeQZ(5-10),	18.3- 20.35 F S1 à 045ca						
20.35	21.35	**Amphibolite** (M16) HB(35), BO(3-5), PG, SU(tr)	20.35- 21.35 B uphole S0 à 030ca downhole S0 à 020ca						
21.35	26.15	**Paragneiss** (M4) QZ+FP, CL(15-20), GR(15-20), oeQZ(5-10),	21.35- 26.15 F S1 bien développer à 040ca uphole et diminue jusqu'à 020ca downhole						

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
26.15	69.4	**Pegmatite** (I1G) QZ, FP-K, PG, BO(3), HB, +/- EP local et sous forme de VN **27.90-28.70m** **Ol gabbronorite(I3K)** PX(55), HB, OL(<=2), BO, SU(3-5) **29.00-33.00m** **Ol gabbronorite(I3K)** HB+PX(35) **36.00-36.65m** **Ol gabbronorite(I3K)** PX(55), HB(15), OL(<=2), BO, SU(3-5) **36.65-37.25m** **Paragneiss(M4)** QZ+PG, BO(20), GR(8),	26.15- 69.4 B uphole S0 à 020ca downhole S0 à 045ca	27.9- 28.7m. PO(5) amas de 2-3mm + diss 36- 36.65m. PO(5) amas de 2-3mm + diss, intertitiel au silicate					
69.4	98.1	**Ol gabbronorite** (I3K) OPX+CPX(55)HB(5), OL(4), BO(2-3), SU(4-8), Spinel(1-2) **74.50-74.70m** **Pegmatite(I1G)** PG+QZ+EP **85.90-86.10m** **Pegmatite(I1G)** PG+QZ+Eppervasif + BO **89.90-90.40m** **Pegmatite(I1G)** PG+QZ+Eppervasif + BO + VNmm CL **92.80-93.00m** **Pegmatite(I1G)** Granitique **95.60-95.80m** **Pegmatite(I1G)** Granitique	69.4- 98.1m. B Uphole S0 à 045ca franc	69.4- 70.8m. PO(5) amas de 4mm contenant CP(tr) + diss 70.8- 72.3m. PO(5) amas de 4mm contenant CP(tr) + diss 72.3- 73.7m. PO+CP(5-10) diss + bleb contenant CP(<=1) et CP ds fine veinule 73.7- 74.3m. PO+CP(15) - [] bd de 8 cm à 030ca à PO+CP (45) as matrix porphyre HB idioblaste de 3-6mm 74.3- 75.7m. PO+CP(2-4) diss + fine VN 75.7- 76.2m. PO+CP(15) diss + bleb de 2-3mm + fine VN orienté +/- à 045ca qui est parallèle au shear et à la foliation de cet section 76.2- 77.5m. PO+CP(2-3) diss+ 1 VN de 3mm de MS à CP+++ 77.5- 78m. PO+CP(8) diss + bleb de 3mm + fine VN + 1VN de 2cm à SU(25) 78- 79.3m. PO+CP(<=2) diss	HPE00217 HPE00218 HPE00219 HPE00221 HPE00222 HPE00223 HPE00224 HPE00225 HPE00226 HPE00227	69.40 70.80 72.30 73.70 74.30 75.70 76.20 77.50 78.00 86.40	70.80 72.30 73.70 74.30 75.70 76.20 77.50 78.00 79.30 86.60	1.40 1.50 1.40 0.60 1.40 0.50 1.30 0.50 1.30 0.20	877.00 1100.00 2047.00 4684.00 1615.00 3278.00 1205.00 2569.00 512.00 11660.00

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
				86.4- 86.6m. PO+CP(55) à fg anguleux de I3Q de 2-3mm partly digested					
98.1	114.5	**Pegmatite** (I1G) Granitique, HB(4), Eppervasif **103.90-104.10m** ()	98.1- 114.5 B uphole S0 à 030ca downhole S0 à 040ca						
114.5	127.9	**Ol gabbronorite** (I3K) Cpx+Opx(55), BO(2), HB, PG, SU(<=1) **116.00-116.60m** **Ol gabbronorite(I3K)** SU(5) **118.90-120.30m** **Pegmatite(I1G)** granitique	114.5- 127.9 B uphole S0 à 040ca downhole à 025ca	116- 116.6m. PO(5) diss+bleb de 3mm 126.5- 126.53 PO+CP(15) bleb intertitiel au porphyre de HB(70) HB 3-10mm					
127.9	135.3	**Ol gabbronorite** (I3K) PX depleted, PG, SU(<=1)		131.5- 132.65 PO(tr) diss 132.65- 133m. PO+CP(20) bleb intertitiel à bagette de PG + VN 2cm de MS à CP(1) 133- 134.1m. PO(<2) diss + 1 VN 3mm à PO(50)+CP(50) 134.1- 135.3m PO+CP(5) [] sur 10cm, intertitiel à bagette de PG + VN 2cm de MS à CP(30)	HPE00228 HPE00229 HPE00230 HPE00231	131.50 132.65 133.00 134.10	132.65 133.00 134.10 135.30	1.15 0.35 1.10 1.20	218.00 7712.00 592.00 1287.00
135.3	135.9	**Massive sulphides** (MS) PO+CP(70)		135.3- 135.9m PO+CP(70) fg I3Q partly digested	HPE00232	135.30	135.90	0.60	22500.00
135.9	142	**Ol gabbronorite** (I3K) PX depleted, PG, SU(<=2)		135.9- 136.7m PO+CP(15) [] sur 15cm, intertitiel à bagette de PG où PO(40) 136.7- 137.2m PO(5) [] en plusieurs bleb de PO (15) d'environ 2cm dispersé ds la section	HPE00233 HPE00234 HPE00235 HPE00236 HPE00237	135.90 136.70 137.20 138.90 140.50	136.70 137.20 138.90 140.50 142.00	0.80 0.50 1.70 1.60 1.50	2846.00 920.00 7056.00 3689.00 1976.00

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*		*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
					137.2- 138.9m PO(40) [] ds bandes de 15cmà PO(80)+20% fg I3Q et bleb intertitiel à bagette de PG 138.9- 140.5m PO(5) [] ds bandes de 10cm à PO(40) 140.5- 142m. PO(<=5) [] ds bandes de 10cm à PO(40)					
142	153.3	**Pegmatite** (I1G) granitique	150.1- 153.1 B uphole S0 à 010ca downhole S0 à 001ca							
153.3	159.5	**Ol gabbronorite** (I3K) Cpx+Opx(55), BO(2), HB, PG, SU(<=1)	153.3- 159.5 B downhole S0; diffu sur 30cm et présence d' un S1 mal developpé		157.9- 159.5m PO(3) [] en quelques bleb de 3mm	HPE00238	157.90	159.50	1.60	940.00
159.5	186.1	**Norite** (I3J) OPX(45), PG(40-45), BO(tr), Spinel(4-10), SU(<=1) **162.60-169.30m Paragneiss(M4)** QZ+PG+GR+GP(tr)+SU(tr) **170.00-170.30m Paragneiss(M4)** QZ+PG+GR+GP(tr)+SU(tr) **181.70-181.80m Pegmatite(I1G)** granitique **182.80-182.90m Paragneiss(M4)**		ma ma	159.5- 160.2m PO(12) [] en bandes de PO(15-30) incluant des fg de norite, M4 et I3Q 160.2- 161.6m PO(<=1) diss	HPE00239 HPE00241	159.50 160.20	160.20 161.60	0.70 1.40	4019.00 165.00
186.1	189.5	**Tonalite** (I1D) QZ, FP, Epspoty				HPE00286	188.20	189.70	1.50	31.00
189.5	190.7	**Ol gabbronorite** (I3K) Cpx+Opx+ BO+ HB+ PG(40) SU(60)			189.7- 190.7m PO+CP(40) net-texture + bd de MS de 6cm	HPE00242	189.70	190.70	1.00	12028.00
190.7	191.6	**Massive sulphides** (MS) SU(85)			190.7- 191.6m PO+CP(85) 15% de fg de I3Q arrondi à sub-arrondi	HPE00243	190.70	191.60	0.90	27400.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
191.6	195.8	**Ol gabbronorite** (I3K) Cpx+Opx+ BO+ HB+ PG(80), SU(20) **194.80-196.10m** **Pegmatite(I1G)** granitique+EP pervasif+po(HB) **195.30-195.80m** **Pegmatite(I1G)** granitique+EP pervasif+po(HB)		191.6- 192.7m PO+CP(50) [] en bandes à net-texture où PO(60) + 1bd de 20cm à PO(70) sous forme de sulfure massif 192.7- 194m. PO(5-7) diss + VNmm de MS 194- 195.2m. PO+/-PN+/-CP en stringer 195.2- 195.8m PO+CP(20-25) [] ds 1bd de MS de 7cm	HPE00244 HPE00245 HPE00246 HPE00247	191.60 192.70 194.00 195.20	192.70 194.00 195.20 195.80	1.10 1.30 1.20 0.60	11041.00 1648.00 6176.00 9704.00
195.8	197	**Massive sulphides** (MS) SU(85)	195.8- 197m B uphole S0 à 090ca et downhole S0 à 030ca	195.8- 197m. PO+CP(85) 15% de fg de I3Q arrondi à sub-arrondi	HPE00248	195.80	197.00	1.20	23600.00
197	198.1	**Ol gabbronorite** (I3K) Cpx+Opx(55), BO(4), HB, PG, SU(<=1)		197- 198.1m. PO+CP(10) [] ds 1amas de 12cm	HPE00249	197.00	198.10	1.10	4320.00
198.1	200.1	**Massive sulphides** (MS) SU(85)		198.1- 199.5m PO+CP(70) + fg de I3Q partly digested 199.5- 200.1m PO+CP(65), CP(4) + fg de I3Q partly digested	HPE00250 HPE00251	198.10 199.50	199.50 200.10	1.40 0.60	17982.00 25200.00
200.1	214.4	**Peridotite** (I4I) OL(70), PX(10), PG(20), BO(1), spinel **211.70-211.74m** **Diorite(I2J)** FP, HB(40)	200.1- 214.4 B downhole S0 à 045 net	200.1- 202.1m PO(<=2) [] ds 1amas de 4cm à PO(80) 209.5- 211m. PO+CP(3) [] ds 2 bd de 1cm où PO+CP(90) 211- 211.8m. PO+CP(50) dont 30cm à PO(90) SU injecté ds 1 shear à CL ds lequel y est aussi injecté une diorite à HB+QZ 211.8- 212.55 PO(tr) [] ds 1 amas de 1 cm	HPE00252 HPE00253 HPE00254 HPE00255	200.10 209.50 211.00 211.80	202.10 211.00 211.80 212.55	2.00 1.50 0.80 0.75	2324.00 2118.00 13729.00 565.00

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*
214.4	255.7	**Ol gabbronorite** (I3K) Opx+Cpx(40-55), OL(2-3), BO(2), HB(5), PG(35-40), +/-Spinel	214.4- 255.7 B downhole S0 à 045 net	230.1- 231.6m PO+CP(6) diss et [] ds 2 VN de 2cm à PO+CP(15) où CP(4)
		216.50-216.51m **Diorite(I2J)** FP, HB(40)		231.6- 233m. PO+CP(2) [] ds 1VN de 1cm à PO(90)
		216.90-216.91m **Diorite(I2J)** FP, HB(40)		233- 234.4m. PO+CP(50) où CP(6) [] en plusieurs bandes de MS de 10 à 20cm à PO+CP(80) où CP(10)
		217.10-217.11m **Diorite(I2J)** FP, HB(40)		234.4- 235.7m PO+CP(1) diss et [] ds 1VN de 3mm
		219.00-219.20m **Diorite(I2J)** FP, HB(40)		237.6- 238.7m PO+CP(10) diss + localement net-texture
		221.50-221.54m **Diorite(I2J)** FP, HB(40)		252.5- 253.9m PO+CP(4) associer à une diorite à HB; fracture filling patern
		221.60-221.61m **Diorite(I2J)** FP, HB(40)		253.9- 254.5m PO+CP(60) où CP(60) Associer à une I(I2J), [] au centre de l'injection où PO+CP(85) à net-texture ou massif
		222.90-222.91m **Diorite(I2J)** FP, HB(40)		254.5- 255.7m PO+CP(5) diss
		223.10-223.11m **Diorite(I2J)** FP, HB(40)		
		225.75-225.90m **Diorite(I2J)** FP, HB(40)		
		233.00-234.40m **Pegmatite(I1G)**		
		236.00-236.30m **Pegmatite(I1G)** tonalitique+Eppervasif		
		240.50-240.70m **Diorite(I2J)** FP, HB(40)		
		245.00-245.20m **Diorite(I2J)** FP, HB(40)		
		248.00-248.10m **Diorite(I2J)** FP, HB(40)		
		252.80-252.90m **Diorite(I2J)** FP, HB(40)		
		253.90-254.50m **Diorite(I2J)** FP, HB(40)		

ECH#	*DE*	*A*	*Longueur* (m)	*Ni* ppm
HPE00256	230.10	231.60	1.50	2192.00
HPE00257	231.60	233.00	1.40	1552.00
HPE00258	233.00	234.40	1.40	17095.00
HPE00259	234.40	235.70	1.30	674.00
HPE00287	235.70	237.60	1.90	484.00
HPE00261	237.60	238.70	1.10	2992.00
HPE00288	238.70	240.20	1.50	509.00
HPE00262	252.50	253.90	1.40	1483.00
HPE00263	253.90	254.50	0.60	18164.00
HPE00264	254.50	255.70	1.20	1971.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
255.7	263.6	**Ol gabbronorite** (I3K) Opx+Cpx(60-70), OL(2-5), BO(2), HB(5), PG(35-40), +/-Spinel, MT+IM(1-3)	255.7- 263.6 B ha uphole S0 à 045ca ha						
263.6	268	**Diorite** (I2J) FP, HB(50)							
268	270.7	**Ol gabbronorite** (I3K) Opx+Cpx(60-70), OL(2-5), BO(2), HB(5), PG(35-40), +/-Spinel, MT+IM(1-3)	268- 270.7m B downhole S0 à 050ca						
270.7	276	**Ol gabbronorite** (I3K) Opx+Cpx(40-55), OL(2-3), BO(2), HB(5), PG(35-40), +/-Spinel							
276	298.7	**Ol gabbronorite** (I3K) Opx+Cpx(40-55), OL(2-3), BO(2), HB(5), PG(35-40), +/-Spinel **276.80-277.50m** **Diorite(I2J)** FP, HB(40), SU(5) **292.30-296.60m** **Troctolite(I3N)**		276.8- 277.2m PO(7) diss et [] sur 2cm à net-texture où PO+CP(45) 280.5- 282m. PO+CP(tr) diss 282- 282.7m. PO+CP(3) [] ds un amas à PO(90) de 4 cm et comme VN as fracture filling sur 10cm 282.7- 283.2m PO+CP(95) où CP(5) massif 283.2- 284.3m PO+CP(3) diss et en VN de 2-3mm 284.3- 286.5m PO+CP(3) diss et en VN de 2-3mm 286.5- 287.1m PO+CP(80) [] ds 2bd de 30cm à SU(95) 287.1- 288.4m PO+CP(1) diss + VN	HPE00265 HPE00266 HPE00267 HPE00268 HPE00269 HPE00270 HPE00271 HPE00272 HPE00284 HPE00273 HPE00285	276.80 280.50 282.00 282.70 283.20 284.30 286.50 287.10 288.40 289.20 289.70	277.20 282.00 282.70 283.20 284.30 286.50 287.10 288.40 289.20 289.70 291.10	0.40 1.50 0.70 0.50 1.10 2.20 0.60 1.30 0.80 0.50 1.40	3439.00 534.00 2150.00 15759.00 833.00 204.00 14110.00 843.00 421.00 2529.00 910.00

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
				288.4- 289.2m PO(tr) diss 289.2- 289.7m PO+CP(5) où CP(2) VN as fracture filling 289.7- 291.1m PO(tr) diss					

RÉSULTATS DE GÉOCHIMIE - ASSAY

ECH. NO.	*DE*	*A*	*LONGUEUR*	*ROCHE*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*	*Ni (mss)*	*SG (t/m3)*
HPE00217	69.4	70.8	1.4		877	426	155	2	-5	3	1.01	3.16	
HPE00218	70.8	72.3	1.5		1100	686	162	9	-5	4	1.26	3.17	
HPE00219	72.3	73.7	1.4		2047	953	217	1	-5	3	2.39	3.11	
HPE00221	73.7	74.3	0.6		4684	1656	385	3	-5	14	5.55	3.07	
HPE00222	74.3	75.7	1.4		1615	1172	154	1	-5	5	1.8	3.26	
HPE00223	75.7	76.2	0.5		3278	1297	278	2	-5	8	3.77	3.16	
HPE00224	76.2	77.5	1.3		1205	937	163	68	-5	4	1.17	3.74	
HPE00225	77.5	78	0.5		2569	1162	243	2	5	3	3.01	3.10	
HPE00226	78	79.3	1.3		512	125	140	-1	-5	-1	0.33	5.63	
HPE00227	86.4	86.6	0.2		11660	1831	830	19	-5	27	13.67	3.10	
HPE00228	131.5	132.65	1.15		218	66	75	1	-5	-1	0.17	4.65	
HPE00229	132.65	133	0.35		7712	1249	618	5	99	28	9.67	2.90	
HPE00230	133	134.1	1.1		592	864	96	-1	-5	-1	0.87	2.47	
HPE00231	134.1	135.3	1.2		1287	1679	163	10	-5	7	1.67	2.79	
HPE00232	135.3	135.9	0.6		22500	3632	1542	58	-5	63	29.7	2.76	
HPE00233	135.9	136.7	0.8		2846	1376	252	2	-5	5	3.39	3.05	
HPE00234	136.7	137.2	0.5		920	653	126	4	-5	3	0.99	3.37	
HPE00235	137.2	138.9	1.7		7056	2911	533	63	-5	30	9.74	2.64	
HPE00236	138.9	140.5	1.6		3689	1001	316	3	-5	18	5.31	2.53	
HPE00237	140.5	142	1.5		1976	1233	194	3	-5	9	2.46	2.92	
HPE00238	157.9	159.5	1.6		940	389	133	1	-5	3	0.82	4.16	
HPE00239	159.5	160.2	0.7		4019	2326	330	6	-5	13	4.56	3.20	
HPE00241	160.2	161.6	1.4		165	157	55	-1	-5	-1	0.28	2.14	
HPE00286	188.2	189.7	1.5		31	34	10	-1	-5	-1	0.06	1.88	
HPE00242	189.7	190.7	1		12028	3876	955	10	-5	37	13.84	3.16	3.15
HPE00243	190.7	191.6	0.9		27400	4372	1855	17	-5	69	28.07	3.55	4.25
HPE00244	191.6	192.7	1.1		11041	5191	808	26	-5	29	12.3	3.26	3.22
HPE00245	192.7	194	1.3		1648	728	171	2	-5	3	2.02	2.97	3.03
HPE00246	194	195.2	1.2		6176	3911	441	6	-5	5	7.72	2.91	3.11

HPE00247	195.2	195.8	0.6	9704	6568	647	10	301	33	12.76	2.76	3.07
HPE00248	195.8	197	1.2	23600	3606	1564	21	-5	49	25.17	3.41	4.19
HPE00249	197	198.1	1.1	4320	10253	397	11	-5	8	6.63	2.36	3.26
HPE00250	198.1	199.5	1.4	17982	8241	1310	27	-5	32	22.76	2.87	4.16
HPE00251	199.5	200.1	0.6	25200	4771	1750	23	-5	55	29.62	3.10	4.22
HPE00252	200.1	202.1	2	2324	636	286	4	-5	9	2.78	3.04	
HPE00253	209.5	211	1.5	2118	2073	277	7	-5	4	2.62	2.93	
HPE00254	211	211.8	0.8	13729	13110	970	18	15	46	15.96	3.12	
HPE00255	211.8	212.55	0.75	565	66	136	2	-5	1	0.19	10.76	
HPE00256	230.1	231.6	1.5	2192	6254	227	4	-5	8	3.02	2.62	
HPE00257	231.6	233	1.4	1552	266	192	2	-5	4	1.7	3.32	
HPE00258	233	234.4	1.4	17095	12046	1235	12	-5	24	19.04	3.26	
HPE00259	234.4	235.7	1.3	674	655	125	1	-5	1	0.59	4.14	
HPE00287	235.7	237.6	1.9	484	156	125	1	-5	-1	0.3	5.85	
HPE00261	237.6	238.7	1.1	2992	2093	280	4	-5	5	3.54	3.07	
HPE00288	238.7	240.2	1.5	509	75	152	-1	-5	-1	0.2	9.21	
HPE00262	252.5	253.9	1.4	1483	823	187	5	10	1	1.66	3.25	
HPE00263	253.9	254.5	0.6	18164	6747	1426	7	-5	20	25.18	2.62	
HPE00264	254.5	255.7	1.2	1971	914	192	3	-5	6	2.41	2.97	
HPE00265	276.8	277.2	0.4	3439	2056	356	1	-5	6	5.11	2.45	
HPE00266	280.5	282	1.5	534	60	138	2	-5	1	0.22	8.79	
HPE00267	282	282.7	0.7	2150	1791	235	18	-5	7	2.8	2.79	
HPE00268	282.7	283.2	0.5	15759	23100	1401	20	25	13	28.85	1.98	
HPE00269	283.2	284.3	1.1	833	893	118	6	-5	10	1.12	2.70	
HPE00270	284.3	286.5	2.2	204	92	59	1	-5	-1	0.15	4.93	
HPE00271	286.5	287.1	0.6	14110	3322	1307	14	6	11	21.1	2.43	
HPE00272	287.1	288.4	1.3	843	419	143	2	-5	18	0.68	4.50	
HPE00284	288.4	289.2	0.8	421	54	113	-1	-5	-1	0.18	8.47	
HPE00273	289.2	289.7	0.5	2529	10330	296	29	-5	461	4.59	1.99	
HPE00285	289.7	291.1	1.4	910	423	130	3	-5	3	1.01	3.27	

RÉSULTATS DE GÉOCHIMIE - COMPOSITES

ECH. NO.	*De (m)*	*A (m)*	*Longueur (m)*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Fe (%)*	*S (%)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*Ni/S*	*S.G. (t/m³)*	*Ag (ppb)*	*Pb (%)*	*Zn (%)*
C-151-06A	79.5	86.4	6.9	433	167	116		0.24	1	-5	-1					
C-151-06B	87	98	11	391	79	120		0.2	1	-5	-1					
C-151-06C	115	127	12	616	212	133		0.57	1	-5	1					
C-151-06D	215	230	15	519	49	143		0.16	-1	-5	-1					
C-151-06E	257	266	9	69	63	65		0.16	-1	-5	-1					
C-151-06F	266	276	10	485	79	115		0.43	2	-5	-1					

RÉSULTATS DE GÉOCHIMIE - WHOLE ROCK

ECH NO.	*DE (m)*	*TO (m)*	*ROCHE*	*SiO2 (%)*	*TiO2 (%)*	*Al2O3 (%)*	*Fe2O3 (%)*	*MnO (%)*	*MgO (%)*	*CaO (%)*	*Na2O (%)*	*P2O5 (%)*	*Cr2O3 (%)*	*K2O (%)*	*LOI (%)*	*Total (%)*	*Ba (ppm)*	*Nb (ppm)*	*Rb (ppm)*	*Sr (ppm)*	*V (ppm)*	*Y (ppm)*	*Th (ppm)*	*Cs (ppm)*	*Ta (ppm)*	*Zr (ppm)*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*
A-47195	36.3	36.5	I1G	44.2	0.65	9.19	18.6	0.22	20.0	5.45	0.48	0.09	0.05	0.37	0.23	99.6	297	5	25	73	140	15	-2	18	-10	54	1081	337	158	2	-5	3	1.04
A-47196	169.4	170	I3J	51.2	1.22	17.2	12.9	0.2	6.75	9.55	0.84	0.16	0.03	0.42	-0.2	100	424	8	25	144	290	26	-2	9	-10	123	32	61	48	-1	-5	-1	0.18
A-47197	253.9	254	I3K	41.3	0.62	6.31	20.2	0.27	20.2	3.59	0.69	0.08	0.05	1.64	3.99	99	516	6	83	50	174	19	-2	11	-10	81	1294	503	136	3	-5	3	1.45
A-47198	269.3	270	I3K	44.5	4.17	13.6	19.2	0.25	5.76	7.51	2.99	0.84	0.02	1.64	-0.7	99.8	1143	22	58	285	333	55	-2	-1	-10	329	73	55	65	1	-5	-1	0.16
A-47199	292.5	293	I3K	47.0	1.62	13.1	15.3	0.2	8.23	9.22	3.45	0.12	0.03	0.4	0.41	99.1	303	11	23	365	347	29	-2	11	-10	95	149	37	56	1	-5	-1	0.09

JOURNAL DE SONDAGE

TROU NO: 2001

ZONE: Haut-Plateau Est

FALCONBRIDGE LTD
EXPLORATION

Numéro du projet: PN151
Claim No: CDC 1026493
Localisation:
Contracteur: Bradley
Arpenteur: Rockwell

Système de référence: UTM NAD27 Canada Zone

Collet:
Est: 614823.24 ***m***
Nord: 5722601.75 ***m***
Élévation: 919.04 ***m***
Azimuth: 231 °
Dip: -45 °
Longeur: 198 ***m***

Débuté le: 3/17/2002
Terminé le: 3/20/2002
Casing: Left in hole
Wedges:
Dimension de la carotte: BQ
Cimenté: No
Bouchon: ☐
Cap: ☑
Eau: ☐

Remarques:

TEST DE DEVIATION

Profondeur *(m)*	***Inclinaison*** *(degré)*	***Azimuth*** *(degré)*	***Type de test***
0	-45	231	Acide
5	-41	231	Acide
100	-42	231	Acide
198	-41	231	Acide

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure		STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
0	2.7	**Overburden**	(OVB)	itg itg itg itg ep ep ma ma ma ma itg itg sboh sboh						
2.7	54.3	**Peridotite**	(I4I)	2.7- 54.3m. F @045ca given by the VNmm(Chl) alt.	10- 11.45m. PO(1)+ CPY(tr) diss+VNmm(PO+/-CPY) 11.45- 11.7m. PO(40)+CPY(tr) net-text + VNmm; fg I4I 2-6m, this interval present a brechia texture 11.7- 12.3m. PO(5)+CPY(1) diss + more [ ] in VNcm (PO+CPY) 12.3- 13.1m. PO(65)+CPY(tr) diss+VNmm(CPY- rich) but more [ ] in 30cm of MS with rounded fg 1-5mm (I4I, I-srp) -mostly oriented at 015ca 13.1- 14.3m. PO(<1)+CPY(tr) diss + VNmm	HPE-00294 HPE-00295 HPE-00296 HPE-00297 HPE-00298 HPE-00299 HPE-00301 HPE-00302	10.00 11.45 11.70 12.30 13.10 25.80 27.40 36.40	11.45 11.70 12.30 13.10 14.30 27.40 28.30 36.43	1.45 0.25 0.60 0.80 1.20 1.60 0.90 0.03	3200.00 13700.00 2000.00 14900.00 800.00 800.00 11200.00 800.00

OL(>50), PX, PG, BO
D:Dark green & grey; cgr, Mag:m
Inj cm-dcm, m-cgr, [I1D, EP] & [I2J, AM(30)

4.80-4.90m ()

6.25-6.27m ()

9.50-10.05m **Tonalite(I1D)**

27.40-28.80m **Tonalite(I1D)**

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
		32.50-32.75m Diorite(I2J)		25.8- 27.4m. PO(tr)+CPY(tr) diss					
		32.90-34.10m Ol gabbronorite(I3K)		27.4- 28.3m. PO(40)+CPY(2) diss, +/- fo in veinlet -most of the Su are [ ] in 15cm of MS(PO(85)+CPY(2)					
		37.50-38.50m Pegmatite(I1G)		28.3- 29.8m. PO(<1) diss					
				36.4- 36.43m. PO+CPY(90) VN @040ca, incl fg i4i					
54.3	60	**Tonalite** (I1D) GR(5) in clu 1-2cm, SU(5) vcgr, EP pervasive, Mag:N PO(5) [ ] in one bd 25cm PO+CPY(85)		55.8- 56.3m. PO(5)+CPY(1) [ ] in dioritic injections 2cm +/- along the inj azimuth mostly as cluster cm & englobing AM crystal	HPE-00303	55.80	56.30	0.50	300.00
		56.30-56.65m Diorite(I2J)		56.3- 56.65m. PO(3)+CPY(tr) diss	HPE-00304	56.30	56.65	0.35	800.00
		56.65-57.00m Massive Sulphides(MS)		56.65- 57m. PO(85)+CPY(1) Msv incl fg 2-3mm	HPE-00305	56.65	57.00	0.35	25700.00
		58.45-58.90m Tonalite(I1D)		57- 58.45m. PO(1)+CPY(tr) [ ] in one VN	HPE-00306	57.00	58.45	1.45	300.00
				58.45- 58.9m. PO(3)+CPY(1) in cluster 2-3cm [ ] in 2 area	HPE-00307	58.45	58.90	0.45	4600.00
				58.9- 59.4m. PO(0)+CPY(0) into VN(Chl)	HPE-00308	58.90	59.40	0.50	100.00
60	77.5	**Peridotite** (I4I) OL(>50), PX, PG, BO D:Dark green & grey; cgr, Mag:m Inj cm-dcm, m-cgr, [I1D, EP] & [I2J, AM(30)							
		63.00-64.70m Tonalite(I1D)							

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
		67.30-68.00m Pegmatite(I1G)							
		75.30-75.90m Pegmatite(I1G)							
77.5	113	**Ol gabbronorite** (I3K) PX+AM(60), BO(0-17), PG Medium grey, greenish, f-mgr, Mag:w Injcm (I2J,poAM(1-30), cluSU) 0.5 inj/m VNmm (Chl+Carb+/-TC) 3VNmm/m **77.50-77.90m Diorite(I2J)** **88.90-90.00m Diorite(I2J)** **112.70-112.80m Tonalite(I1D)**		86- 99.7m. PO(<1)+CPY(tr) diss					
113	135	**Ol gabbronorite** (I3K) PX(55), OL(5), Am(15), Mt(5), BO(3), Dark grey, greenish & black spoted, Mag:S, mgr -Inj cm [I2J, AM(10-30), BO(5-15), mgr-cgr] 0.25 inj/m, mostly @045ca **122.50-124.60m ()**	113- 135m. Msv So@045ca characterized by inj[I2J, poAM(40), BO(5)						
135	139.7	**Ol gabbronorite** (I3K) PX+AM(60), BO(3), PG, SU(tr) Medium grey & light bleuish, mgr, Mag:M -uph So chilled margin -injcm[I2J, AM +/- BO, mgr] @030-045ca, 1inj/m	135- 139.7m Msv + a weak foliation at uhh So						
139.7	145.1	**Diorite** (I2J) AM(40), BO(5-10) cgr, Mag:N -Intercolate with I3K	139.7- 145.1 Msv	139.65- 140.5 PO(tr)+CPY(tr) as VN in VN(Chl) 140.5- 140.8m PO(55)+CPY(tr) net, fg alt. I3K 0.-0.3 cm sub-angular, po(AM) at So	HPE-00309 HPE-00310 HPE-00311	139.65 140.50 140.80	140.50 140.80 142.15	0.85 0.30 1.35	900.00 10200.00 700.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
				140.8- 142.15 PO(tr)+CPY(tr) diss					
145.1	147.3	**Pegmatite** (I1G) I1B VNmm (Chl) at both contact	145.1- 147.3 C So @045ca						
147.3	156.1	**Ol gabbronorite** (I3K) PX+AM(50), BO(3), PG, SU(19) -intercolate with MS bd & also with bd of I3K+SU net-texture -BO++ at margin of MS -dwn So alt. On 30cm of GR, vcgr, BO++ **155.50-155.75m Pegmatite(I1G)** I1B		147.5- 148m. PO(15)+CPY(tr) VN +/- net @ 030 ca, [] in center of section in 10cm as PO(35) CP(2) 148- 148.6m. PO(1) [] in one VN3mm (MS) @030ca 148.6- 149.7m PO(20)+CPYtr) [] in two bd 20cm as net +/-VN PO940 CP(2) @030ca 149.7- 150.3m PO(<1)+CPY(tr) diss 150.3- 150.8m PO(25)+CPY(tr) [] in two X1cm & 1 X 10cm as MS PO(90) CP(tr) 150.8- 151.3m PO(2) diss 151.3- 152.2m PO(1) diss 152.2- 152.8m PO(88)+CPY(2) fg I3K partally digest like usally in net or MS 152.8- 153.6m PO(1) diss 153.6- 154.6m PO(40)+CPY(1) [] as MS +/- net in 2 major bd of 30cm PO(75)CP91) & bd 15cm PO(60)	HPE-00316 HPE-00317 HPE-00318 HPE-00319 HPE-00321 HPE-00322 HPE-00323 HPE-00312 HPE-00313 HPE-00314 HPE-00315	150.30150.80 150.80151.30 151.30152.20 152.20152.80 152.80153.60 153.60154.60 154.60156.20 147.50148.00 148.00148.60 148.60149.70 149.70150.30	0.50 0.50 0.90 0.60 0.80 1.00 1.60 0.50 0.60 1.10 0.60	8000.00 800.00 700.00 16200.00 1000.00 10100.00 8600.00 1500.00 800.00 4100.00 500.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE		MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
					154.6- 156.2m PO(10)+CPY(1) [] 2 bd 10cm as VN type +/- net PO(70)					
156.1	157.1	**Massive sulphides** (MS) PO+CPY(80) incl 20% fg angular-subrounded mm-cm			156.2- 157.1m PO(80)+CPY(2) fg I3K partialy digest	HPE-00324	156.20	157.10	0.90	20700.00
157.1	165.8	**Diorite** (I2J) intercolate with I3K,cgr, Mag:n	157.1- 165.8 Msv		157.1- 158.5m PO(5)+CPY(1) diss & in cluster intertitiel to I3K, Harrisitic crystal	HPE-00325	157.10	158.50	1.40	2600.00
165.8	170.4	**Ol gabbronorite** (I3K) PX+AM(40), BO(3), PG, SU(30) Grey & cream beige, c-vcgr, Mag: N -intercolate with a I3K light grey and bleuish			166.1- 167.6m PO(tr)+CPY(tr) diss 167.6- 168.2m PO(50)+CPY(1) msv, englobe big fg 3-4 cm sub-angular I3K partially digest 168.2- 169.5m PO(<1) diss 169.5- 170.3m PO(20)+CPY(tr) [] majorly in 30 cm PO(30) intertitiel to AM , lightly foliated @030ca	HPE-00326 HPE-00327 HPE-00328 HPE-00329	166.10 167.60 168.20 169.50	167.60 168.20 169.50 170.30	1.50 0.60 1.30 0.80	700.00 11500.00 400.00 3800.00
170.4	172.4	**Ol gabbronorite** (I3K) PX+AM(30), BO(5-10), PG Light grey & bleuish, mgr			170.3- 171.6m PO(TR) diss	HPE-00330	170.30	171.60	1.30	500.00
172.4	186.5	**Ol gabbronorite** (I3K) PX+AM(60-65), BO(1-3), PG, SU(tr) Medium Grey & greenish, mgr, Mag:W -VNmm I2J,AM -child margin at both contact	172.4- 186.5 Msv both So @075ca							
186.5	198	**Ol gabbronorite** (I3K) PX+AM(30), BO(15), PG, SU(2) Light grey & bleuish, mgr, Mag:N	186.5- 198m Msv	sboh sboh	186.5- 198m. PO(TR) diss	HPE-00568 HPE-00569	188.70 190.00	190.00 191.50	1.30 1.50	500.00 600.00

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
		-intercolate near end of hole with I3K (creamy style) -po clu (GR) into clu (SU) [ ] on 25 cm			HPE-00570	191.50	193.00	1.50	1900.00
					HPE-00571	193.00	194.50	1.50	1600.00
					HPE-00572	194.50	195.50	1.00	1500.00
					HPE-00573	195.50	197.35	1.85	1100.00
					HPE-00574	197.35	198.00	0.65	500.00

RÉSULTATS DE GÉOCHIMIE - ASSAY

ECH. NO.	*DE*	*A*	*LONGUEUR*	*ROCHE*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*	*Ni (mss)*	*SG (t/m3)*
HPE-00294	10	11.45	1.45		3200	800	280						
HPE-00295	11.45	11.7	0.25		13700	1300	950						
HPE-00296	11.7	12.3	0.6		2000	1100	240						
HPE-00297	12.3	13.1	0.8		14900	2600	1110						
HPE-00298	13.1	14.3	1.2		800	100	90						
HPE-00299	25.8	27.4	1.6		800	100	160						
HPE-00301	27.4	28.3	0.9		11200	4200	850						
HPE-00302	36.4	36.43	0.03		800	100	140						
HPE-00303	55.8	56.3	0.5		300	12200	25						
HPE-00304	56.3	56.65	0.35		800	200	60						
HPE-00305	56.65	57	0.35		25700	3100	1850						
HPE-00306	57	58.45	1.45		300	700	70						
HPE-00307	58.45	58.9	0.45		4600	3600	380						
HPE-00308	58.9	59.4	0.5		100	50	70						
HPE-00309	139.65	140.5	0.85		900	200	120						
HPE-00310	140.5	140.8	0.3		10200	2300	760						
HPE-00311	140.8	142.15	1.35		700	50	90						
HPE-00312	147.5	148	0.5		1500	2100	150						
HPE-00313	148	148.6	0.6		800	200	25						
HPE-00314	148.6	149.7	1.1		4100	2900	240						
HPE-00315	149.7	150.3	0.6		500	50	25						
HPE-00316	150.3	150.8	0.5		8000	900	600						
HPE-00317	150.8	151.3	0.5		800	50	200						
HPE-00318	151.3	152.2	0.9		700	100	70						
HPE-00319	152.2	152.8	0.6		16200	3500	1340						
HPE-00321	152.8	153.6	0.8		1000	800	150						
HPE-00322	153.6	154.6	1		10100	4400	830						

HPE-00323	154.6	156.2	1.6	8600	4300	680
HPE-00324	156.2	157.1	0.9	20700	8400	1630
HPE-00325	157.1	158.5	1.4	2600	900	270
HPE-00326	166.1	167.6	1.5	700	300	80
HPE-00327	167.6	168.2	0.6	11500	2800	960
HPE-00328	168.2	169.5	1.3	400	200	25
HPE-00329	169.5	170.3	0.8	3800	1800	210
HPE-00330	170.3	171.6	1.3	500	300	25
HPE-00568	188.7	190	1.3	500	100	120
HPE-00569	190	191.5	1.5	600	100	160
HPE-00570	191.5	193	1.5	1900	700	120
HPE-00571	193	194.5	1.5	1600	700	180
HPE-00572	194.5	195.5	1	1500	500	130
HPE-00573	195.5	197.35	1.85	1100	400	130
HPE-00574	197.35	198	0.65	500	50	150

RÉSULTATS DE GÉOCHIMIE - COMPOSITES

RÉSULTATS DE GÉOCHIMIE - WHOLE ROCK

Numéro du projet:	PN151	***Système de référence:***	UTM NAD27 Canada Zone	***Débuté le:***	3/20/2002
Claim No:	CDC 1026493			***Terminé le:***	3/22/2002
Localisation:		***Collet:*** ***Est:***	614850.68 *m*	***Casing:***	Left in hole
Contracteur:	Bradley	***Nord:***	5722557.28 *m*	***Wedges:***	
Arpenteur:	Rockwell	***Élévation:***	923.52 *m*	***Dimension de la carotte:***	BQ
		Azimuth:	234 °	***Cimenté:***	No
		Dip:	-74 °	***Bouchon:***	☐
		Longeur:	186 *m*	***Cap:***	☑
				Eau:	☐

Remarques:

TEST DE DEVIATION

Profondeur *(m)*	***Inclinaison*** *(degré)*	***Azimuth*** *(degré)*	***Type de test***
0	-74	234	#Error
4	-74	234	Acide
100	-73	234	Acide
186	-72	234	Acide

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
0	1.75	**Overburden** (OVB)							
1.75	5	**Ol gabbronorite** (I3K) PX+AM(80), OL?, BO(5) D:Green Forest & white, grain:c-vcgr, mag:S T:Intergranular, S:msv but slithly fo @045ca, A: tr VNmm(Chl), M: PO(1)diss		1.75- 5m. PO(1) diss					
5	33	**Ol gabbronorite** (I3K) PX+AM(65), OL, BO(2-10) Medium grey greenish in alternace grey bleuish, Injcm[I2J, AM(25), mgr, +/-SU(tr)] 1per m. T: itg +/- sub-ophitique S:msv A:Pervasive weak creamy alt. In grey bleuish section mostly at magin of SU bearing M: tr diss		5- 22.7m. PO(tr) diss 22.7- 24.2m. PO(1) diss 24.2- 24.6m. PO(50)CP(2) into an Inj.(I2J) as net trought po crystal of PG & AM, vcgr & harrisitic texture at bottom So 24.6- 25.95m. PO(1) CP(tr) diss 25.95- 33m. PO(1) diss	HPE-00331 HPE-00332 HPE-00333	22.70 24.20 25.95	24.20 24.60 33.00	1.50 0.40 7.05	700.00 9400.00 800.00
33	40.3	**Peridotite** (I4I) OL(40), PX, AM, Chl, BO D: dark green, c-vcgr, mag:S, top So diffuse/ Injcm-m[I1D, po(AM) +/- Chl as VNmm] most of time associated with SU		33- 33.7m. PO(1) diss 33.7- 35.15m. PO(3) diss 35.15- 36.7m. PO(10) diss + [] in bd dcm PO(15) +/- net 36.7- 37.4m. PO(3) diss + in one VN (I2J) as clu	HPE-00334 HPE-00335 HPE-00336 HPE-00337 HPE-00338 HPE-00339 HPE-00341	33.00 33.70 35.15 36.70 37.40 37.80 39.45	33.70 35.15 36.70 37.40 37.80 39.45 40.30	0.70 1.45 1.55 0.70 0.40 1.65 0.85	700.00 1300.00 2700.00 1500.00 16800.00 1200.00 10200.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
				37.4- 37.8m. PO(60) MS PO(85) on 20cm incl. Fg I4I partially sub-rounded 37.8- 39.45m. PO(1) diss 39.45- 40.3m. PO(15) CP(tr) [] in a 15 cm bd of PO(85)+PN(tr)+CP(3) @015ca					
40.3	43.6	**Massive sulphides** (MS)		40.3- 41.7m. PO(87) CP(5) PN(tr) MS, contain 8% fg I4I sub-rounded 41.7- 42.8m. PO(87) CP(5) PN(tr) MS, contain 8% fg I4I sub-rounded 42.8- 43.6m. PO(87) CP(5) PN(tr) MS, contain 8% fg I4I sub-rounded	HPE-00342 HPE-00343 HPE-00344	40.30 41.70 42.80	41.70 42.80 43.60	1.40 1.10 0.80	25400.00 28000.00 27700.00
43.6	50.5	**Peridotite** (I4I) OL(40), PX, AM, Chl, BO D: dark green, c-vcgr, mag:S, top So diffuse/ Injcm-m[I1D, po(AM) +/- Chl as VNmm] most of time associated with SU		43.6- 45.9m. PO(2) CP(tr) diss + VNmm 45.9- 46m. PO(2) CP(tr) diss + VNmm 46- 47.1m. PO(40) CP(2) [] in 2 bd of 15cm PO+CP(90) in an altered shear zone 47.1- 48.6m. PO(tr) CP(tr) diss 48.6- 49.6m. PO(40) CP(2) [] in 4 bd 3-5cm PO(90)+CP(4)+/-PN as matrix 49.6- 50.5m. PO(30) CP(1) [] in bd PO(90)+CP(4)+/-PN as matrix	HPE-00345 HPE-00346 HPE-00347 HPE-00348 HPE-00349 HPE-00350	43.60 45.90 46.00 47.10 48.60 49.60	45.90 46.00 47.10 48.60 49.60 50.50	2.30 0.10 1.10 1.50 1.00 0.90	1400.00 1200.00 22100.00 1200.00 8500.00 9300.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
50.5	52.9	**Pegmatite** (I1G) D: I1G[I1D, po(AM)], Chl as VNmm, EP pervasive		50.5- 51.6m. 51.6- 52.9m.	HPE-00351 HPE-00352	50.50 51.60	51.60 52.90	1.10 1.30	600.00 200.00
52.9	105.75	**Peridotite** (I4I) OL(40), PX, AM, Chl, BO D: dark green, c-vcgr, mag:S, top So diffuse/ Injcm-m[I1D, po(AM) +/- Chl as VNmm] most of time associated with SU		99.6- 101m. PO(30) CP(tr) diss but mostly in 2 bd 20 cm PO+CP(65) 52.9- 53.25m. PO(87) CP(3) MS, incl fg 53.25- 54.75m PO(1) diss 98.3- 98.9m. PO(2) diss 98.9- 99.6m. PO(30) CP(tr) diss but mostly in 2 bd 20 cm PO+CP(65) 101- 102.3m. PO(10) CP(tr) diss +VN 2-4mm but mostly in 3 bd 7 cm PO+CP(60) 102.3- 102.7m PO(3) CP(tr) VN1-3mm (MS) 102.7- 103.9m PO(40) CP(tr) MS in net incl. I4I fg sub-rounded 103.9- 104.9m PO(10) CP(tr) diss + mostly as VN1-3mm (MS) + [] in one bd 10cm PO+CP(80) @045ca 104.9- 105.75 PO(2) CP(tr) VN2-3mm @045ca + fracture filling	HPE-00353 HPE-00354 HPE-00355 HPE-00356 HPE-00382 HPE-00357 HPE-00358 HPE-00359 HPE-00361 HPE-00362	52.90 53.25 98.30 98.90 99.60 101.00 102.30 102.70 102.70 103.90 103.90 104.90	53.25 54.75 98.90 99.60 101.00 102.30 102.70 103.90 104.90 105.75	0.35 1.50 0.60 0.70 1.40 1.30 0.40 1.20 1.00 0.85	25900.00 700.00 900.00 10800.00 4200.00 8600.00 2800.00 16000.00 4000.00 2300.00
105.75	107.85	**Tonalite** (I1D) D: vcgr, po(AM[10]), Chl as VN mm T: msv S: Top So @080ca, bottom So @ 030ca		105.75- 106.1 PO(tr) CP(tr) diss	HPE-00363 HPE-00364	105.75 106.10	106.10 107.85	0.35 1.75	300.00 4900.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
		M: PO(5)CP(tr) diss & as clu-cm		106.1- 107.85 PO(3) diss + [] in 1 bd 3 cm PO(30)					
107.85	143.2	**Peridotite** (I4I) OL(40), PX, AM, Chl, BO D: dark green, c-vcgr, mag:S, top So diffuse/ Injcm-m[I1D, po(AM) +/- Chl as VNmm] most of time associated with SU		107.85- 109.1 PO(4) diss + mostly [] in 2 bd 3cm PO+CP(55) 109.15- 110.7 PO(tr) diss 110.7- 111.3m PO(45) CP(tr) [] in 2 bd PO+CP(90) 111.3- 112.15 PO(4) CP(tr) as clu cm & fracture filling 112.15- 112.7 PO(tr) diss 138.1- 139.6m PO(tr) diss 139.6- 140.6m PO(10) CP(1) diss + VN1-15mm PO(80) CP(5) 140.6- 141.65 PO(tr) diss 141.65- 143.1 PO(5) CP(tr) diss + VN1-15mm PO(60) CP(tr)	HPE-00365 HPE-00366 HPE-00367 HPE-00368 HPE-00369 HPE-00370 HPE-00371 HPE-00372 HPE-00373	107.85109.15 109.15110.70 110.70111.30 111.30112.15 112.15112.70 138.10139.60 139.60140.60 140.60141.65 141.65143.15	1.30 1.55 0.60 0.85 0.55 1.50 1.00 1.05 1.50	2500.00 500.00 15900.00 2600.00 900.00 500.00 8400.00 900.00 3400.00
143.2	149.05	**Massive sulphides** (MS)		143.15- 144.6 PO(60) CP(tr) MS +fg I4I 144.6- 145.25 PO(45) CP(1) MS +fg I4I 145.25- 146m. PO(90) CP(1) MS	HPE-00374 HPE-00375 HPE-00376 HPE-00377 HPE-00378 HPE-00379	143.15144.60 144.60145.25 145.25146.00 146.00146.70 146.70147.80 147.80149.05	1.45 0.65 0.75 0.70 1.10 1.25	19000.00 12100.00 27000.00 1600.00 26500.00 28600.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
				146- 146.7m. PO(1) diss					
				146.7- 147.8m PO(90) CP(5) MS					
				147.8- 149.05 PO(90) CP(5r) MS					
149.05	153.1	**Peridotite** (I4I) OL(40), PX, AM, Chl, BO D: dark green, c-vcgr, mag:S, top So diffuse/ Injcm-m[I1D, po(AM) +/- Chl as VNmm] most of time associated with SU		149.05- 150.2 PO(tr) diss	HPE-00381	149.05	150.20	1.15	800.00
153.1	186	**Norite** (I3J) Opx,PG,BO(2-5) D: light grey& cream, fgr, mag:N, top So chilled margin on 30cm / rarely VNmm(Chl)/ Inj.cm (I2J,AM, equigranular) / Inj.dcm(I1B & I1D)		153.1- 155.15 PO(3) diss + bdcm +/- net PO(10)	HPE-00383	153.10	155.15	2.05	2700.00
					HPE-00384	155.15	155.75	0.60	6600.00
				155.15- 155.7 PO(5) diss + bdcm +/- net PO(15)	HPE-00385	155.75	156.90	1.15	3300.00
					HPE-00386	156.90	158.40	1.50	2700.00
				155.75- 156.9 PO(5) diss + bd POcm(10)	HPE-00387	158.40	159.40	1.00	4500.00
					HPE-00388	159.40	160.45	1.05	2400.00
				156.9- 158.4m PO(2) diss	HPE-00389	160.45	162.00	1.55	2200.00
					HPE-00390	162.00	162.70	0.70	4900.00
				158.4- 159.4m PO(2) diss	HPE-00391	162.70	163.60	0.90	2600.00
					HPE-00392	163.60	164.45	0.85	8100.00
				159.4- 160.45 PO(2) diss	HPE-00393	164.45	165.70	1.25	3200.00
					HPE-00394	172.55	174.10	1.55	3400.00
				160.45- 162m. PO(3) diss	HPE-00395	174.10	174.65	0.55	5400.00
					HPE-00396	174.65	175.60	0.95	2000.00
				162- 162.7m. PO(15) CP(tr) mostly diss + [] bd cm PO+CP(30) as net	HPE-00397	175.60	176.55	0.95	2200.00
					HPE-00398	176.55	177.60	1.05	2600.00
					HPE-00399	177.60	179.20	1.60	1600.00

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*
				162.7- 163.6m PO(3) diss
				163.6- 164.45 PO(20) CP(tr) diss + 2 bd 10cm PO+CP(10) & PO+CP(65)
				164.45- 165.7 PO(2) diss
				165.7- 172.55 PO(1-5) diss
				172.55- 174.1 PO(4) CP(tr) diss + bd cm net PO+CP(15)
				174.1- 174.65 PO(20) CP(tr) diss + net
				174.65- 175.6 PO(8) CP(tr) diss + net [] bdcm
				175.6- 176.55 PO(4) CP(tr) clu 2-3mm in fracture filling
				176.55- 177.6 PO(8) CP(tr) diss + clu 1-3 mm
				177.6- 179.2m PO(4) CP(tr) diss + clu 1-3 mm
				179.2- 180.35 PO(5) CP(1) diss + mostly as clu 2-5mm
				180.35- 181.4 PO(4) CP(tr) diss + mostly as clu 2-5mm
				181.45- 182.8 PO(2) diss
				182.85- 186m. PO(2) diss

ECH#	*DE*	*A*	*Longueur* (m)	*Ni* ppm
HPE-00401	179.20	180.35	1.15	1700.00
HPE-00402	180.35	181.45	1.10	2300.00
HPE-00403	181.45	182.85	1.40	1100.00

RÉSULTATS DE GÉOCHIMIE - ASSAY

ECH. NO.	*DE*	*A*	*LONGUEUR*	*ROCHE*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*	*Ni (mss)*	*SG (t/m3)*
HPE-00331	22.7	24.2	1.5		700	50	25						
HPE-00332	24.2	24.6	0.4		9400	5200	670						
HPE-00333	25.95	33	7.05		800	50	110						
HPE-00334	33	33.7	0.7		700	100	50						
HPE-00335	33.7	35.15	1.45		1300	300	60						
HPE-00336	35.15	36.7	1.55		2700	1300	150						
HPE-00337	36.7	37.4	0.7		1500	500	80						
HPE-00338	37.4	37.8	0.4		16800	8200	1200						
HPE-00339	37.8	39.45	1.65		1200	300	150						
HPE-00341	39.45	40.3	0.85		10200	15400	810						
HPE-00342	40.3	41.7	1.4		25400	1400	1760	5	2.5	15	32.63	2.83	
HPE-00343	41.7	42.8	1.1		28000	2500	2020	3	5	14	36.25	2.81	
HPE-00344	42.8	43.6	0.8		27700	5900	1930	5	5	16	37.06	2.72	
HPE-00345	43.6	45.9	2.3		1400	100	190						
HPE-00346	45.9	46	0.1		1200	500	60						
HPE-00347	46	47.1	1.1		22100	6200	1400						
HPE-00348	47.1	48.6	1.5		1200	400	220						
HPE-00349	48.6	49.6	1		8500	4900	630						
HPE-00350	49.6	50.5	0.9		9300	4000	680						
HPE-00351	50.5	51.6	1.1		600	4400	70						
HPE-00352	51.6	52.9	1.3		200	50	25						
HPE-00353	52.9	53.25	0.35		25900	3700	1820						
HPE-00354	53.25	54.75	1.5		700	50	210						
HPE-00355	98.3	98.9	0.6		900	400	170						
HPE-00356	98.9	99.6	0.7		10800	3900	740						
HPE-00382	99.6	101	1.4		4200	4400	400						
HPE-00357	101	102.3	1.3		8600	4400	630						

HPE-00358	102.3	102.7	0.4	2800	1000	300						
HPE-00359	102.7	103.9	1.2	16000	1100	1190						
HPE-00361	103.9	104.9	1	4000	3600	260						
HPE-00362	104.9	105.75	0.85	2300	1800	230						
HPE-00363	105.75	106.1	0.35	300	2900	70						
HPE-00364	106.1	107.85	1.75	4900	11400	410						
HPE-00365	107.85	109.15	1.3	2500	3400	270						
HPE-00366	109.15	110.7	1.55	500	200	100						
HPE-00367	110.7	111.3	0.6	15900	10700	1190						
HPE-00368	111.3	112.15	0.85	2600	2800	270						
HPE-00369	112.15	112.7	0.55	900	300	180						
HPE-00370	138.1	139.6	1.5	500	50	130						
HPE-00371	139.6	140.6	1	8400	6400	550						
HPE-00372	140.6	141.65	1.05	900	1600	90						
HPE-00373	141.65	143.15	1.5	3400	9700	280						
HPE-00374	143.15	144.6	1.45	19000	3500	1320	38	2.5	36	24.58	2.81	
HPE-00375	144.6	145.25	0.65	12100	8300	920	30	2.5	66	17.39	2.53	
HPE-00376	145.25	146	0.75	27000	6200	1910	15	2.5	38	34.7	2.83	
HPE-00377	146	146.7	0.7	1600	1500	170	3	2.5	1	1.98	2.93	
HPE-00378	146.7	147.8	1.1	26500	36500	1860	7	2.5	30	36.29	2.65	
HPE-00379	147.8	149.05	1.25	28600	9100	2040	5	5	24	35.45	2.93	
HPE-00381	149.05	150.2	1.15	800	4400	80						
HPE-00383	153.1	155.15	2.05	2700	1500	290						
HPE-00384	155.15	155.75	0.6	6600	4000	470						
HPE-00385	155.75	156.9	1.15	3300	1400	230						
HPE-00386	156.9	158.4	1.5	2700	1300	200						
HPE-00387	158.4	159.4	1	4500	1100	400						
HPE-00388	159.4	160.45	1.05	2400	1000	170						
HPE-00389	160.45	162	1.55	2200	1000	170						
HPE-00390	162	162.7	0.7	4900	2900	410						

HPE-00391	162.7	163.6	0.9	2600	1200	150
HPE-00392	163.6	164.45	0.85	8100	2200	620
HPE-00393	164.45	165.7	1.25	3200	1600	220
HPE-00394	172.55	174.1	1.55	3400	1300	320
HPE-00395	174.1	174.65	0.55	5400	1700	400
HPE-00396	174.65	175.6	0.95	2000	900	190
HPE-00397	175.6	176.55	0.95	2200	600	240
HPE-00398	176.55	177.6	1.05	2600	1100	160
HPE-00399	177.6	179.2	1.6	1600	800	60
HPE-00401	179.2	180.35	1.15	1700	800	250
HPE-00402	180.35	181.45	1.1	2300	1100	190
HPE-00403	181.45	182.85	1.4	1100	700	140

RÉSULTATS DE GÉOCHIMIE - COMPOSITES

RÉSULTATS DE GÉOCHIMIE - WHOLE ROCK

JOURNAL DE SONDAGE | **TROU NO: 2003** | FALCONBRIDGE LTD EXPLORATION

ZONE: Haut-Plateau Est

Numéro du projet:	PN151	***Système de référence:***	UTM NAD27 Canada Zone	***Débuté le:***	3/22/2002
Claim No:	CDC 1026493			***Terminé le:***	3/24/2002
Localisation:		***Collet:*** ***Est:***	614855.93 *m*	***Casing:***	Left in hole
Contracteur:	Bradley	***Nord:***	5722496.59 *m*	***Wedges:***	
Arpenteur:	Rockwell	***Élévation:***	925.44 *m*	***Dimension de la carotte:***	BQ
		Azimuth:	231 °	***Cimenté:***	No
		Dip:	-45 °	***Bouchon:***	☐
		Longeur:	129 *m*	***Cap:***	☑
				Eau:	☐

Remarques:

TEST DE DEVIATION

Profondeur *(m)*	***Inclinaison*** *(degré)*	***Azimuth*** *(degré)*	***Type de test***
0	-45	231	Acide
4	-44	231	Acide
101	-45	231	Acide

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
0	2.85	**Overburden** (OVB)							
2.85	78.8	**Ol gabbronorite** (I3K) OPX,CPX,AM(65-75), BO(1-8), OL(5-10) D: m grey & green, mgr, mag:M, / Inj.mm-cm(I2J, mgr, equigranular, AM(5-40) @ many different direction, 2-5 inj per meters T:intergranular S:msv M: PO(1) rare mostly [] in bd 30cm PO(3-5) diss & in one bd 30cm (MS)		6.25- 7.8m. PO(tr) diss 7.8- 8.35m. PO(70) MS, contain fg I3K sub-rounded 8.35- 10m. PO(tr) diss	HPE-00404 HPE-00405 HPE-00406	6.25 7.80 8.35	7.80 8.35 10.00	1.55 0.55 1.65	700.00 21900.00 600.00
78.8	86.6	**Peridotite** (I4I) OL(50), PX, AM, Chl, PG(10) D: m grey & dark grey, cgr, mag: S, / VNmm(Chl) 80VN per m / Inj.(I2J, AM(35), mgr, equigranular) T: poikilitic S: fo given by Chl VN patern @ 045ca		85- 86.6m. PO(tr) diss	HPE-00407	85.00	86.60	1.60	900.00
86.6	88.6	**Massive sulphides** (MS)		86.6- 87.65m. PO(82)+CP(3) MS, contain fg 2-4mm, partially digest, sub-angular to sub-rounded 87.65- 88.6m. PO(82)+CP(3) MS, contain fg 2-4mm, partially digest, sub-angular to sub-rounded	HPE-00408 HPE-00409	86.60 87.65	87.65 88.60	1.05 0.95	25100.00 24100.00
88.6	101	**Ol gabbronorite** (I3K) D: dark grey & black spoted, mgr, mag:M-S, S: Sh with SLK filled by Chl , 15 sh per m T: intergranular		88.6- 89.9m. PO(tr) diss	HPE-00410	88.60	89.90	1.30	200.00
101	112.15	**Ol gabbronorite** (I3K) PX+AM(40), BO(5) D: grey & bleuish, cgr, mag:N-W, T: intergranular S: msv		101.1- 101.3m PO(35) VN5cm(MS) crossed by VNmm(CB)					

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
		A:creamy pervasive alteration M: Dry							
112.15	115.2	**Norite** (I3J) D: light grey & cream, fgr, mag:N-W, T: intergranular S: top & bottom So net @ 070ca & 045ca							
115.2	129	**Ol gabbronorite** (I3K) PX+AM(60-70), OL(20), PG(10), BO(5) D: m grey & green, cgr, Mag:S, This unit become darker & also richer in mafic mineral gradually to EOH T: intergranular S: msv M: PO(1-4) diss & in 1 bd cm PO(40)		115.25- 115.3 PO(80) As VN at upper So					

RÉSULTATS DE GÉOCHIMIE - ASSAY

ECH. NO.	*DE*	*A*	*LONGUEUR*	*ROCHE*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*	*Ni (mss)*	*SG (t/m3)*
HPE-00404	6.25	7.8	1.55		700	200	140						
HPE-00405	7.8	8.35	0.55		21900	1800	1560						
HPE-00406	8.35	10	1.65		600	200	130						
HPE-00407	85	86.6	1.6		900	300	180						
HPE-00408	86.6	87.65	1.05		25100	2400	1730	18	2.5	38	33.45	2.73	
HPE-00409	87.65	88.6	0.95		24100	11200	1770	17	2.5	37	30.81	2.84	
HPE-00410	88.6	89.9	1.3		200	1000	25						

RÉSULTATS DE GÉOCHIMIE - COMPOSITES

RÉSULTATS DE GÉOCHIMIE - WHOLE ROCK

JOURNAL DE SONDAGE

TROU NO: 2004

ZONE: Haut-Plateau Est

FALCONBRIDGE LTD
EXPLORATION

Numéro du projet:	PN151	***Système de référence:***	UTM NAD27 Canada Zone			***Débuté le:***	3/24/2002
Claim No:	CDC 1026493					***Terminé le:***	3/27/2002
Localisation:		***Collet:***	***Est:***	614882.5	***m***	***Casing:***	Left in hole
Contracteur:	Bradley		***Nord:***	5722592.49	***m***	***Wedges:***	
Arpenteur:	Rockwell		***Élévation:***	918.27	***m***	***Dimension de la carotte:***	BQ
			Azimuth:	231	°	***Cimenté:***	No
			Dip:	-69	°	***Bouchon:***	☐
			Longeur:	263	***m***	***Cap:***	☑
						Eau:	☐

Remarques:

TEST DE DEVIATION

Profondeur *(m)*	***Inclinaison*** *(degré)*	***Azimuth*** *(degré)*	***Type de test***
0	-69	231	#Error
5	-71	231	Acide
200	-70	231	Acide

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
0	3.75	**Overburden** (OVB)							
3.75	39.7	**Ol gabbronorite** (I3K) PX(50-60), BO(2-4), OL(5-10), PG(30-40) D: m grey & bleuish, mgr, mag:W-M, down So diffuse / Inj. Cm-dcm(I2J, AM(20-30), mgr, equigranular 0.5inj per m @ many direction / Inj. Dcm [I1G(I2J, EP)], mafic mineral decrease near down So							
39.7	69.3	**Ol gabbronorite** (I3K) PX(55-60), OL(5-10), PG(25-35) D: grey & creamy green, m-cgr, maag:W / Inj.cm[I2J, AM(20-30), mgr, equigranular] 2-3 per m, both So diffuse & gradual T:intergranular S: msv							
69.3	86	**Ol gabbronorite** (I3K) PX, OL(5-10), PG, BO(8) D: green & bleuish, cgr, mag:S, upper So diffuse & down So net@090ca, presense of bd dcm OL-rich characteriize by high alt. VN(Chl) pattern. T: intergranular S: msv		84.45- 86m. PO(tr) diss	HPE-00411	84.45	86.00	1.55	800.00
86	87.45	**Massive sulphides** (MS) PO(91)+CP(4) incl.fg partially digest sub-rounded 3-15mm, up & down So net @ 090ca & 045ca		86- 87m. PO(94) CP(4) incl.fg partially digest sub-rounded 3-15mm	HPE-00412	86.00	87.00	1.00	27400.00
87.45	90.75	**Ol gabbronorite** (I3K) PX(55-60), OL(5-10), PG(25-35) D: grey & creamy green, m-cgr, maag:W / Inj.cm[I2J, AM(20-30), mgr, equigranular] 2-3 per m, both So diffuse & gradual T:intergranular		87- 87.95m. PO(94) CP(4) incl.fg partially digest sub-rounded 3-15mm 87.95- 89.65m PO(1) VNmm	HPE-00413 HPE-00414 HPE-00415	87.00 87.95 89.65	87.95 89.65 90.75	0.95 1.70 1.10	22100.00 2200.00 3200.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
		S: msv M: PO(5) CP(tr) diss & VNmm		89.65- 90.75m PO(6) diss + VNmm					
90.75	92.6	**Ol gabbronorite** (I3K) D: Inj.[I1G(I1B)]							
92.6	110.65	**Ol gabbronorite** (I3K) mafic(60), BO(10), D: light green & bleuish, mafic mineral & VNmm(Chl) alt. Pattern increase down So S; msv A: BO++, with bd dcm rich-OL & Chl + M: PO(1-8) diss+VN		92.6- 102.2m. PO(3) diss + VNmm 102.2- 102.65 PO(5) diss +/- VNmm 102.65- 103.6 PO(3) diss + VNmm 103.65- 105.3 PO(2) diss 105.35- 106.5 PO(6) diss 106.5- 107.8m PO(2) diss 107.8- 109m. PO(4) diss 109- 110.65m. PO(2) diss	HPE-00416 HPE-00417 HPE-00418 HPE-00419 HPE-00421 HPE-00422 HPE-00423	102.20 102.65 103.65 105.35 106.50 107.80 109.00	102.65 103.65 105.35 106.50 107.80 109.00 110.65	0.45 1.00 1.70 1.15 1.30 1.20 1.65	2000.00 1700.00 1700.00 1800.00 1300.00 1400.00 1400.00
110.65	114.1	**Massive sulphides** (MS) PO(87) CP((3) contain roch fg, we can observe corone of AM around fg S: up & down So net@040ca		110.65- 111.4 PO(87) CP(3) contain roch fg, we can observe corone of AM around fg 111.45- 112.9 PO(87) CP(3) contain roch fg, we can observe corone of AM around fg	HPE-00424 HPE-00425 HPE-00426	110.65 111.45 112.90	111.45 112.90 114.10	0.80 1.45 1.20	21700.00 25900.00 25000.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
				112.9- 114.1m PO(87) CP(3) contain roch fg, we can observe corone of AM around fg					
114.1	151.4	**Peridotite** (I4I) OL(>40), PX, PG(<5), BO(5) D: dark green, cgr, mag:S / Inj.VN 2-3mm(Chl+Carb) mostly associated with Sh zone without preferential orientation / Inj.3-100mm[I2I, AM(30), mgr, equigranular] T: fo, poikilitic (PX into OL)		114.1- 115.55 PO(tr) [] at up So on 20cm as 3% PO diss 143.2- 144.8m PO(3) CP(tr) diss + 1 bd 2cm PO(8) +/- net 144.8- 145.4m PO(89) CP(1) msv + fg 2-5mm 145.4- 145.9m PO(4) CP(tr) VNmm + diss 145.9- 146.3m PO(75) CP(1) VN 146.3- 147.35 PO(5) CP(3) diss + mostly in VN2-4mm at CP-rich 147.35- 148m. PO(1) diss 148- 148.35m. PO(5) CP(1) diss + mostly in 2VN 2cm (MS) 148.35- 149.9 PO(tr) VN2-3mm 149.9- 151.4m PO(82) CP(3) D: msv, incl fg3-5mm + Inj.10cm [I2J, AM(25), vcgr]	HPE-00427 HPE-00428 HPE-00429 HPE-00430 HPE-00431 HPE-00432 HPE-00433 HPE-00434 HPE-00435 HPE-00436	114.10115.55 143.20144.80 144.80145.40 145.40145.90 145.90146.30 146.30147.35 147.35148.00 148.00148.35 148.35149.90 149.90151.40	1.45 1.60 0.60 0.50 0.40 1.05 0.65 0.35 1.55 1.50	800.00 1000.00 23500.00 1300.00 18600.00 3100.00 700.00 13500.00 900.00 1900.00
151.4	152.7	**Massive sulphides** (MS) PO(82) CP((3) D: msv, incl fg3-5mm + Inj.10cm [I2J, AM(25), vcgr]		151.4- 152.7m PO(82) CP(3) D: msv, incl fg3-5mm + Inj.10cm [I2J, AM(25), vcgr]	HPE-00437	151.40152.70	1.30	22300.00	

DE (m)	A (m)	DESCRIPTION *Lithologie Majeure et Mineure*	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
152.7	164.95	**Peridotite** (I4I) OL(>40), PX, PG(<5), BO(5) D: dark green, cgr, mag:S / Inj.VN 2-3mm(Chl+Carb) mostly associated with Sh zone without preferential orientation / Inj.3-100mm[I2I, AM(30), mgr, equigranular] T: fo, poikilitic (PX into OL)		152.7- 154.15 PO(2) CP(tr) diss & [] mostly in the first 20cm 164.2- 164.9m PO(1) diss	HPE-00438 HPE-00439	152.70 164.20	154.15 164.90	1.45 0.70	1200.00 800.00
164.95	165.65	**Pegmatite** (I1G) D: Granite pegmatite A: W-M Chl as VN & at margin S Chl 1-2mm S: up So @045ca		164.9- 165.5m CP(2) as fracture filling at bottom of this section	HPE-00441	164.90	165.50	0.60	300.00
165.65	171.45	**Massive sulphides** (MS) PO(92) CP(3) CP in VN		165.5- 167.25 PO(92) CP(3) CP in VN 167.25- 169.9 PO(92) CP(3) CP in VN 169.9- 171.45 PO(92) CP(3) CP in VN	HPE-00442 HPE-00443 HPE-00444	165.50 167.25 169.90	167.25 169.90 171.45	1.75 2.65 1.55	27000.00 28100.00 26600.00
171.45	172.45	**Pegmatite** (I1G) D: Granite pegmatite A: W-M Chl as VN & at margin S Chl 1-2mm S: up So @045ca		171.45- 172.2 PO(tr) fracture filling	HPE-00445	171.45	172.20	0.75	600.00
172.45	181.2	**Ol gabbronorite** (I3K) PX+AM(40), BO(3), PG, M D: m grey green & black spotted, m-cgr, mag:W-M, T: Intergranulart		172.2- 173m.	HPE-00446	172.20	173.00	0.80	50.00
181.2	186.5	**Ol gabbronorite** (I3K) AM(40), PG(60) BO(tr) D: green & white, vcgr, mag:N, T: equigranular S: both So @090ca net M: PO(tr) as clu & rare							

DE (m)	*A* (m)	*DESCRIPTION* *Lithologie Majeure et Mineure*	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
186.5	209	**Ol gabbronorite** (I3K) PX+AM(40), BO(3), PG, Mt D: m grey green & black spotted, m-cgr, mag:W-M, / intercolate with bd 3-100cm [I2J] T: Intergranular							
209	263	**Norite** (I3J) BO(2-5) D: grey & bleuish, fgr, mag:N, / Inj.dcm[I3G(I1D,EP)] , up So intercolate with I3K above (bd<1m), contain rarely clu of GR 1-2 cm, child margin in I3J at contact with I3K on 20cm T: sub-ophitic A: W-M creamy bleuish alt.							

RÉSULTATS DE GÉOCHIMIE - ASSAY

ECH. NO.	*DE*	*A*	*LONGUEUR*	*ROCHE*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*	*Ni (mss)*	*SG (t/m3)*
HPE-00411	84.45	86	1.55		800	300	130	3	2.5	4	0.56	5.18	
HPE-00412	86	87	1		27400	2800	1910	50	6	92	33.51	2.98	
HPE-00413	87	87.95	0.95		22100	9700	1510						
HPE-00414	87.95	89.65	1.7		2200	1600	260						
HPE-00415	89.65	90.75	1.1		3200	1500	180						
HPE-00416	102.2	102.65	0.45		2000	900	170						
HPE-00417	102.65	103.65	1		1700	1700	130						
HPE-00418	103.65	105.35	1.7		1700	1000	240						
HPE-00419	105.35	106.5	1.15		1800	600	150						
HPE-00421	106.5	107.8	1.3		1300	400	190						
HPE-00422	107.8	109	1.2		1400	400	160						
HPE-00423	109	110.65	1.65		1400	800	50						
HPE-00424	110.65	111.45	0.8		21700	3700	1530	11	8	22	29.52	2.68	
HPE-00425	111.45	112.9	1.45		25900	2600	1750	6	9	25	33.51	2.81	
HPE-00426	112.9	114.1	1.2		25000	6100	1800	14	8	29	34.25	2.66	
HPE-00427	114.1	115.55	1.45		800	200	100						
HPE-00428	143.2	144.8	1.6		1000	400	150						
HPE-00429	144.8	145.4	0.6		23500	2300	1700						
HPE-00430	145.4	145.9	0.5		1300	1800	250						
HPE-00431	145.9	146.3	0.4		18600	800	1320						
HPE-00432	146.3	147.35	1.05		3100	13500	300						
HPE-00433	147.35	148	0.65		700	100	150						
HPE-00434	148	148.35	0.35		13500	2400	920						
HPE-00435	148.35	149.9	1.55		900	400	170						
HPE-00436	149.9	151.4	1.5		1900	1400	260						
HPE-00437	151.4	152.7	1.3		22300	7300	1670						
HPE-00438	152.7	154.15	1.45		1200	500	190						

HPE-00439	164.2	164.9	0.7	800	200	190						
HPE-00441	164.9	165.5	0.6	300	11000	25						
HPE-00442	165.5	167.25	1.75	27000	7600	1910	12	10	57	35.22	2.79	
HPE-00443	167.25	169.9	2.65	28100	9900	2030	21	12	104	35.56	2.87	
HPE-00444	169.9	171.45	1.55	26600	7300	1860	54	7	49	35.93	2.69	
HPE-00445	171.45	172.2	0.75	600	2600	140						
HPE-00446	172.2	173	0.8	50	100	25						

RÉSULTATS DE GÉOCHIMIE - COMPOSITES

RÉSULTATS DE GÉOCHIMIE - WHOLE ROCK

JOURNAL DE SONDAGE

TROU NO: 2005

ZONE: Haut-Plateau Est

FALCONBRIDGE LTD
EXPLORATION

Numéro du projet:	PN151	***Système de référence:***	UTM NAD27 Canada Zone			***Débuté le:***	3/31/2002
Claim No:	CDC 1026493					***Terminé le:***	4/3/2002
Localisation:		***Collet:***	***Est:***	614926.72	***m***	***Casing:***	Left in hole
Contracteur:	Bradley		***Nord:***	5722619.1	***m***	***Wedges:***	
Arpenteur:	Rockwell		***Élévation:***	931.98	***m***	***Dimension de la carotte:***	BQ
			Azimuth:	231	°	***Cimenté:***	No
			Dip:	-70	°	***Bouchon:***	☐
			Longeur:	302	***m***	***Cap:***	☑
						Eau:	☐

Remarques:

TEST DE DEVIATION

Profondeur *(m)*	***Inclinaison*** *(degré)*	***Azimuth*** *(degré)*	***Type de test***
4	-70	231	Acide
100	-70	231	Acide
200	-71	231	Acide

DE (m)	*A* (m)	*DESCRIPTION* *Lithologie Majeure et Mineure*	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
0.2	56.8	**Ol gabbronorite** (I3K) PX+AM(50) BO(5-10) OL(4-10) D: grey to m grey +/- green, cgr, Mag:W / Inj.cm[I2J, AM(20-30), mgr, equigranular) >= 0.5VN/m generally @045ca T: intergranular, diffuse by the alt. A: M-S Srp & Our S: msv, down So net @045ca M: PO(tr), diss + VNmm							
56.8	62.95	**Norite** (I3J) OPX(40), BO(4-10), OL(1-3) D: beige & bleuish, fgr, mag:N, T: sub-ophitic S: up So @ 035ca, mostly msv intercolate with bd lightly fo M: PO(tr), diss + rarely in VN							
62.95	84.8	**Paragneiss** (M4) QZ, GR, BO, Cordierite, Diopside D: grey & pink, mgr, mag:N, / intercolate with 10-80 cm [I2J, vcgr, harisitic], up & down So net S: msv M: PO(1-4) CP(tr), diss+VN1-3mm(PO+CP) + clu							
84.8	226.4	**Norite** (I3J) OPX(40), BO(4-10), OL(1-3) D: beige & bleuish, fgr, mag:N, / Inj. By many felsic pegmatite cm-dcm / contain M4 xenolith T: sub-ophitic S: up So @ 035ca, mostly msv intercolate with bd lightly fo M: PO(tr), diss + rarely in VN		185- 200.7m. PO (2) diss & vfgr 200.7- 201.4m PO (5) +CPY (1) diss + intr 5cm PO(35) as net + VNmm(CP-rich) 201.4- 202.4m PO (4) mostly diss + intrv VNmm PO parallel @045ca on 15cm where PO up to 8% 202.4- 203.75 PO (4) mostly diss + intrv +/- net PO(12)	HPE-00515	204.25	205.75	1.50	4400.00
					HPE-00516	219.85	221.55	1.70	1600.00
					HPE-00517	221.55	223.50	1.95	1900.00
					HPE-00518	223.50	223.75	0.25	2600.00
					HPE-00519	223.75	225.25	1.50	3500.00
					HPE-00521	225.25	226.40	1.15	3100.00
					HPE-00511	200.70	201.40	0.70	7200.00
					HPE-00512	201.40	202.40	1.00	5300.00
					HPE-00513	202.40	203.75	1.35	5300.00
					HPE-00514	203.75	204.25	0.50	12800.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
				203.75- 204.2 PO (40) net 204.25- 205.7 PO (3) diss + VNmm 205.75- 219.8 PO (2) diss 219.85- 221.5 PO (2) diss where sometime lightly fo 221.55- 223.5 PO (3) diss + intrv in a felsic inj. PO(6) 223.5- 223.75 PO (5) diss where sometime lightly fo 223.75- 225.2 PO (5) diss where sometime lightly fo + VNmm(CP-rich) 225.25- 226.4 PO (5) diss + mostly [] in a 15cm intrv PO(20) as net					
226.4	229.3	**Pegmatite** (I1G) D: Fp-K, QZ, FP, EP, Sh(Chl) @010ca							
229.3	237.65	**Norite** (I3J) OPX(40), BO(4-10), OL(1-3) D: beige & bleuish, fgr, mag:N, / Inj. By many felsic pegmatite cm-dcm / contain M4 xenolith T: sub-ophitic A: M-I Chl as VNmm 5/m with no preferentiel orientation M: PO(tr), diss + rarely in VN		229.3- 237.5m PO (2) diss					
237.65	254	**Ol gabbronorite** (I3K) PX+AM(40), BO(10), MT(3), PG D: m grey & dark spoted, m-cgr, mag:W-M, /							

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
		intercolate with diorite,AM(50), cgr interval 10-70cm, So between them are diffuse							
254	264.5	**Diorite** (I2J) AM(50), PG, BO(1-3) D: grey & green, cgr, mag:N T: equigranular S:msv M: PO(tr) VNmm							
264.5	278.85	**Ol gabbronorite** (I3K) PX+AM(40), BO(10), MT(3), PG D: m grey & dark spoted, m-cgr, mag:W-M, / intercolate with diorite,AM(50), cgr interval 10-70cm, So between them are diffuse							
278.85	302	**Norite** (I3J) OPX(30-35) BO(5-10) PG D: Beige & bleuish, fgr, mag:N							

RÉSULTATS DE GÉOCHIMIE - ASSAY

ECH. NO.	*DE*	*A*	*LONGUEUR*	*ROCHE*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*	*Ni (mss)*	*SG (t/m3)*
HPE-00511	200.7	201.4	0.7		7200	3000	510						
HPE-00512	201.4	202.4	1		5300	4000	350						
HPE-00513	202.4	203.75	1.35		5300	3100	360						
HPE-00514	203.75	204.25	0.5		12800	2200	910						
HPE-00515	204.25	205.75	1.5		4400	1400	270						
HPE-00516	219.85	221.55	1.7		1600	800	180						
HPE-00517	221.55	223.5	1.95		1900	900	160						
HPE-00518	223.5	223.75	0.25		2600	900	260						
HPE-00519	223.75	225.25	1.5		3500	1900	230						
HPE-00521	225.25	226.4	1.15		3100	1000	170						

RÉSULTATS DE GÉOCHIMIE - COMPOSITES

RÉSULTATS DE GÉOCHIMIE - WHOLE ROCK

JOURNAL DE SONDAGE | **TROU NO: 2006** | FALCONBRIDGE LTD EXPLORATION

ZONE: Haut-Plateau Est

Numéro du projet:	PN151	***Système de référence:***	UTM NAD27 Canada Zone	***Débuté le:***	4/3/2002
Claim No:	CDC 1026493			***Terminé le:***	4/5/2002
Localisation:		***Collet:*** ***Est:***	614847.06 *m*	***Casing:***	Left in hole
Contracteur:	Bradley	***Nord:***	5722671.06 *m*	***Wedges:***	
Arpenteur:	Rockwell	***Élévation:***	919.39 *m*	***Dimension de la carotte:***	BQ
		Azimuth:	231 °	***Cimenté:***	No
		Dip:	-45 °	***Bouchon:***	☐
		Longeur:	203 *m*	***Cap:***	☑
				Eau:	☐

Remarques:

TEST DE DEVIATION

Profondeur *(m)*	***Inclinaison*** *(degré)*	***Azimuth*** *(degré)*	***Type de test***
0	-45	231	#Error
5	-44	231	Acide
100	-44	231	Acide
200	-44	231	Acide

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
0	1	**Overburden** (OVB)							
1	3	**Ol gabbronorite** (I3K) OL(5-10) OPX-CPX(60) AM(5) D: grey, green & creamy green, mgr, mad:N-W							
3	4.8	**Pegmatite** (I1G) Peg of FP-K, FP, QZ(10), AM, EP / incl VNmm(Chl) 4VN/m S: So @045							
4.8	24.2	**Norite** (I3J) OPX(35) PG BO(5) Chl D: beige & bleuish, fgr, mag:N / contain 1-2 VNmm(Chl)/m generally @045ca S: msv, So not clear T: intergranular M: PO(1) diss							
24.2	62.5	**Ol gabbronorite** (I3K) OL(5-10) OPX-CPX(60) AM(5) D: grey, green & creamy green, mgr, mad:N-W S: well fo into SU bearing bd A: intrv I-Srp mostly beside MS VN		29.65- 31.15m PO(tr) diss 31.15- 31.45m PO (80) +CPY (2) msv as VN @060ca + fg I3K 2-300mm sub-rounded 31.45- 31.95m PO (1) [] in one VN 3mm (PO) @030ca 31.95- 32.55m PO (65) +CPY (2) as one VN +/- parallel to ca PO+CP(85) 32.55- 32.8m. PO (90) +CPY (5) incl. one VN 5mm of CP(100) @015ca into MS	HPE-00522 HPE-00523 HPE-00524 HPE-00525 HPE-00526 HPE-00527 HPE-00528 HPE-00529 HPE-00530 HPE-00531 HPE-00532 HPE-00533	29.65 31.15 31.45 31.95 32.55 32.80 34.40 35.50 36.00 37.40 37.90 39.20	31.15 31.45 31.95 32.55 32.80 34.40 35.50 36.00 37.40 37.90 39.20 39.70	1.50 0.30 0.50 0.60 0.25 1.60 1.10 0.50 1.40 0.50 1.30 0.50	600.00 18600.00 900.00 13200.00 21700.00 800.00 5200.00 18800.00 1800.00 26700.00 2200.00 10100.00

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*
				32.8- 34.4m. PO (1) +CPY (1) as one VN 5mm @001ca
				34.4- 35.5m. PO (5) +CPY (2) in VN 3mm (MS) @005 + one VN 5cm PO+CPY(45) @050ca
				35.5- 36m. PO (60) +CPY (2) MS PO+CP(90) + one intrv 15cm on barren I3K
				36- 37.4m. PO (2) +CPY (1) [] in two VN 2cm (MS) @085ca
				37.4- 37.9m. PO (78) +CPY (2) msv + fg 3-15mm (I3K) sub-rounded to angular
				37.9- 39.2m. PO (1) +CPY (tr) VN 3mm [] in the same 5cm intrv +/- @045ca
				39.2- 39.7m. PO (39) +CPY (1) in one intrv of 10cm of MS PO+CP(80) & VNmm-cm
				39.7- 40.2m.
				40.2- 40.7m. PO (5) +CPY (1) [] in one 5cm MS PO+CP(60)
				40.7- 42.3m. PO (3) +CPY (tr) diss + VNmm
				42.3- 42.7m. PO (2) +CPY (1) VNmm@045ca
				42.7- 43.6m. PO (2) +CPY (tr) as two VN 2cm
				43.6- 45.5m. PO (35) +CPY (1) [] in 4 intrv of 15-20cm @085ca PO+CP(85)

ECH#	*DE*	*A*	*Longueur* (m)	*Ni* ppm
HPE-00534	39.70	40.20	0.50	1400.00
HPE-00535	40.20	40.70	0.50	4400.00
HPE-00536	40.70	42.30	1.60	2700.00
HPE-00537	42.30	42.70	0.40	2900.00
HPE-00538	42.70	43.60	0.90	3900.00
HPE-00539	43.60	45.50	1.90	6600.00
HPE-00541	45.50	46.50	1.00	500.00
HPE-00542	46.50	47.60	1.10	3200.00
HPE-00543	47.60	48.30	0.70	300.00
HPE-00544	48.30	48.80	0.50	2700.00
HPE-00545	48.80	50.05	1.25	1200.00
HPE-00546	50.05	51.70	1.65	900.00
HPE-00547	51.70	52.10	0.40	5200.00
HPE-00548	52.10	53.70	1.60	900.00
HPE-00549	53.70	60.95	7.25	800.00
HPE-00550	60.95	61.75	0.80	15000.00
HPE-00551	61.75	62.50	0.75	1500.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure	STRUCTURE ET TEXTURE	MINÉRALISATION	ECH#	DE	A	Longueur (m)	Ni ppm
				45.5- 46.5m.					
				46.5- 47.6m. PO (4) +CPY (1) in 4 VN 1cm of different orientation					
				47.6- 48.3m.					
				48.3- 48.8m. PO (1) +CPY (tr) in two VN < 1cm					
				48.8- 50.05m.					
				50.05- 51.7m. PO (tr) [] in one 3cm intr of PO(10) +/- net					
				51.7- 52.1m. PO (15) +CPY (tr) [] in 10cm of PO+CP(35) net					
				52.1- 53.7m.					
				53.7- 60.95m. PO (tr) +CPY (tr) as fine PO VN					
				60.95- 61.75m PO (45) +CPY (tr) in 3 intrv 15 cm of MS PO+CP(70) @080ca					
				61.75- 62.5m. PO (2) in VNmm @045ca					
62.5	90.5	**Norite** (I3J) OPX(35) PG BO(5) Chl D: beige & bleuish, fgr, mag:N / contain 1-2 VNmm(Chl)/m generally @045ca S: msv, So not clear T: intergranular M: PO(1) diss		62.5- 63.3m. 68.6- 70.2m.	HPE-00552	62.50	63.30	0.80	800.00
					HPE-00553	68.60	70.20	1.60	900.00
					HPE-00554	70.20	70.65	0.45	25600.00
					HPE-00555	70.65	72.20	1.55	2000.00
					HPE-00556	72.20	72.60	0.40	24800.00
					HPE-00557	72.60	73.70	1.10	1400.00

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
				70.2- 70.65m. PO (75) +CPY (1) msv + fg (I3J) 2-150mm sub-rounded to angular;	HPE-00558	73.70	74.20	0.50	100.00
					HPE-00559	89.65	90.50	0.85	1900.00
				70.65- 72.2m. PO (3) +CPY (tr) in 3 VNcm MS @045 + diss					
				72.2- 72.6m. PO (80) +CPY (1) in 3 VNcm MS @045 + diss					
				72.6- 73.7m. PO (1) diss					
				73.7- 74.2m.					
90.5	99.9	**Ol gabbronorite** (I3K) OPX-CPX-AM(40) BO(10) D: grey, green +/- bleuish, mgr, mag:N, S: fo(1) @045ca M:PO(3) CP(tr) diss + clu 2-3 mm incl all CP		90- 99.9m. PO (3) +CPY (tr) VN 1mm fo @045ca	HPE-00561	90.50	92.15	1.65	1400.00
					HPE-00562	92.15	95.00	2.85	1800.00
					HPE-00563	95.00	96.60	1.60	2800.00
					HPE-00564	96.60	98.40	1.80	1000.00
					HPE-00595	99.60	99.65	0.05	400.00
99.9	101.5	**Pegmatite** (I1G) D: Fp-K, Fp(85), QZ, EP as pervasive dispersion @090ca							
101.5	104	**Ol gabbronorite** (I3K) OPX-CPX-AM(40) BO(10) D: grey, green +/- bleuish, mgr, mag:N, S: fo(1) @045ca M:PO(3) CP(tr) diss + clu 2-3 mm incl all CP							
104	111.2	**Pegmatite** (I1G) D: Fp-K, Fp, QZ, inj. @050ca							

DE (m)	*A* (m)	*DESCRIPTION* *Lithologie Majeure et Mineure*	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
111.2	116.2	**Ol gabbronorite** (I3K) OPX-CPX-AM(65) OL(1-5) PG BO(5) D: grey & green, m-cgr, mag:W T: sub-ophitic A: W-Chl as VNmm S: msv M: PO(4) diss + clu containing CP(tr)		111.2- 116.2m PO (3) +CPY (tr) diss + bleb 2-3mm of PO+CP	HPE-00565 HPE-00566 HPE-00567	111.30 112.65 114.15	112.65 114.15 115.60	1.35 1.50 1.45	3700.00 3000.00 4400.00
116.2	128.5	**Pegmatite** (I1G) D: Fp-K, FP, QZ, EP A: EP pervasive T< msv but incl graphitic intrv S: @ 045ca							
128.5	173.35	**Ol gabbronorite** (I3K) OPX-CPX-AM(65) OL(1-5) PG BO(5) D: grey & green, m-cgr, mag:W / intercolate with many diorite inj. At bottom of intrv T: sub-ophitic A: W-Chl as VNmm S: msv M: PO(4) diss + clu containing CP(tr)							
173.35	199.3	**Ol gabbronorite** (I3K) CPX-OPX() AM(15) PG BO(3) MT D: grey, green & dark spoted, contain fg2-5cm (sub-angular) of I3K with a very light difference of composition							
199.3	203	**Pegmatite** (I1G) D: Fp+QZ+BO+AM(3) A: W-EP & S-Chl at upper So on 1 cm S: up So @045ca							

RÉSULTATS DE GÉOCHIMIE - ASSAY

ECH. NO.	*DE*	*A*	*LONGUEUR*	*ROCHE*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*	*Ni (mss)*	*SG (t/m3)*
HPE-00522	29.65	31.15	1.5		600	600	70						
HPE-00523	31.15	31.45	0.3		18600	7400	1370						
HPE-00524	31.45	31.95	0.5		900	700	120						
HPE-00525	31.95	32.55	0.6		13200	4900	890						
HPE-00526	32.55	32.8	0.25		21700	27500	1540						
HPE-00527	32.8	34.4	1.6		800	1500	120						
HPE-00528	34.4	35.5	1.1		5200	5400	380						
HPE-00529	35.5	36	0.5		18800	2800	1300						
HPE-00530	36	37.4	1.4		1800	700	150						
HPE-00531	37.4	37.9	0.5		26700	2100	1870						
HPE-00532	37.9	39.2	1.3		2200	800	160						
HPE-00533	39.2	39.7	0.5		10100	2900	750						
HPE-00534	39.7	40.2	0.5		1400	600	70						
HPE-00535	40.2	40.7	0.5		4400	3500	280						
HPE-00536	40.7	42.3	1.6		2700	2100	250						
HPE-00537	42.3	42.7	0.4		2900	6300	240						
HPE-00538	42.7	43.6	0.9		3900	3500	220						
HPE-00539	43.6	45.5	1.9		6600	3100	540						
HPE-00541	45.5	46.5	1		500	300	60						
HPE-00542	46.5	47.6	1.1		3200	2500	280						
HPE-00543	47.6	48.3	0.7		300	100	100						
HPE-00544	48.3	48.8	0.5		2700	1000	100						
HPE-00545	48.8	50.05	1.25		1200	400	80						
HPE-00546	50.05	51.7	1.65		900	500	150						
HPE-00547	51.7	52.1	0.4		5200	3300	340						
HPE-00548	52.1	53.7	1.6		900	400	60						
HPE-00549	53.7	60.95	7.25		800	200	130						

HPE-00550	60.95	61.75	0.8	15000	1900	1020					
HPE-00551	61.75	62.5	0.75	1500	1500	180					
HPE-00552	62.5	63.3	0.8	800	2400	100					
HPE-00553	68.6	70.2	1.6	900	300	25					
HPE-00554	70.2	70.65	0.45	25600	3300	1780					
HPE-00555	70.65	72.2	1.55	2000	1200	160					
HPE-00556	72.2	72.6	0.4	24800	3500	1560					
HPE-00557	72.6	73.7	1.1	1400	500	110					
HPE-00558	73.7	74.2	0.5	100	50	25					
HPE-00559	89.65	90.5	0.85	1900	700	240					
HPE-00561	90.5	92.15	1.65	1400	500	140					
HPE-00562	92.15	95	2.85	1800	900	150					
HPE-00563	95	96.6	1.6	2800	1600	230					
HPE-00564	96.6	98.4	1.8	1000	400	100					
HPE-00595	99.6	99.65	0.05	400	50	150	1	2.5	0.5	0.01	130.04
HPE-00565	111.3	112.65	1.35	3700	1900	230					
HPE-00566	112.65	114.15	1.5	3000	2300	200					
HPE-00567	114.15	115.6	1.45	4400	1500	320					

RÉSULTATS DE GÉOCHIMIE - COMPOSITES

RÉSULTATS DE GÉOCHIMIE - WHOLE ROCK

JOURNAL DE SONDAGE | **TROU NO: 2007** | FALCONBRIDGE LTD EXPLORATION

ZONE: Haut-Plateau Es

Numéro du projet:	PN151	***Système de référence:***	UTM NAD27 Canada Zone	***Débuté le:***	4/5/2002
Claim No:	CDC 1026493			***Terminé le:***	4/7/2002
Localisation:		***Collet:*** ***Est:***	614807.76 ***m***	***Casing:***	Left in hole
Contracteur:	Bradley	***Nord:***	5722691.51 ***m***	***Wedges:***	
Arpenteur:	Rockwell	***Élévation:***	920.97 ***m***	***Dimension de la carotte:***	BQ
		Azimuth:	231 °	***Cimenté:***	No
		Dip:	-45 °	***Bouchon:***	☐
		Longeur:	197 ***m***	***Cap:***	☑
				Eau:	☐

Remarques:

TEST DE DEVIATION

Profondeur *(m)*	***Inclinaison*** *(degré)*	***Azimuth*** *(degré)*	***Type de test***
0	-45	231	#Error
7	-43	231	Acide
101	-44	231	Acide
197	-43	231	Acide

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure		*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
0	5	**Overburden**	(OVB)							
5	8.2	**Paragneiss** FP+QZ+GR(20-35)+BO(2-8)	(M4)		7- 8.2m. PO (tr) PY(tr) diss	HPE-00596	7.00	8.20	1.20	500.00
8.2	19.9	**Norite** OPX+OL(1-5)+PG+BO(1-3)	(I3J)		8.2- 9.1m. PO (tr) diss	HPE-00597	8.20	9.10	0.90	100.00
						HPE-00598	9.10	9.35	0.25	3900.00
					9.1- 9.35m. PO (3) +CPY (2) as 1 VN 2cm [PO(40)+CP(8)] @045ca	HPE-00599	9.35	10.90	1.55	200.00
					9.35- 10.9m. PO (tr) diss					
19.9	24.5	**Paragneiss** FP+QZ+GR(20-35)+BO(2-8)	(M4)							
24.5	68.4	**Norite** OPX+OL(1-5)+PG+BO(1-3)	(I3J)							
68.4	70.6	**Paragneiss** FP+QZ+GR(20-35)+BO(2-8)	(M4)							
70.6	73.5	**Norite** OPX+OL(1-5)+PG+BO(1-3)	(I3J)							
73.5	78.6	**Paragneiss** FP+QZ+GR(20-35)+BO(2-8)	(M4)							

DE (m)	*A* (m)	*DESCRIPTION* Lithologie Majeure et Mineure	*STRUCTURE ET TEXTURE*	*MINÉRALISATION*	*ECH#*	*DE*	*A*	*Longueur* (m)	*Ni* ppm
78.6	82.5	**Norite** (I3J) OPX+OL(1-5)+PG+BO(1-3							
82.5	90.85	**Paragneiss** (M4) FP+QZ+GR(20-35)+BO(2-8)							
90.85	95.4	**Norite** (I3J) OPX+OL(1-5)+PG+BO(1-3							
95.4	98.2	**Paragneiss** (M4) FP+QZ+GR(20-35)+BO(2-8)							
98.2	106.4	**Norite** (I3J) OPX+OL(1-5)+PG+BO(1-3)							
106.4	125.8	**Pyroxenite** (I4B) OPX+CPX+OL+AM(95) PG(5)		117- 118.5m. PO (tr) diss 118.5- 120.1m PO (3) diss + mostly as bleb 2-5mm PO+CP 120.1- 121.4m PO (tr) diss 121.4- 123.1m PO (tr) diss 123.1- 124.6m PO (3) +CPY (tr) diss+1VNdiss + in bleb 2-5mm up to 6% on an 15cm intrv 124.6- 125.35 PO (1) diss 125.35- 125.8 PO (40) as network VN up to 3cm incl. Fg	HPE-00601 HPE-00602 HPE-00603 HPE-00604 HPE-00605 HPE-00606 HPE-00607	117.00 118.50 120.10 121.40 123.10 124.60 125.35	118.50 120.10 121.40 123.10 124.60 125.35 125.80	1.50 1.60 1.30 1.70 1.50 0.75 0.45	600.00 1000.00 300.00 300.00 2500.00 900.00 14700.00

DE (m)	A (m)	DESCRIPTION Lithologie Majeure et Mineure		STRUCTURE ET TEXTURE	MINÉRALISATION
125.8	163.9	**Norite** OPX+OL(1-5)+PG+BO(1-3)	(I3J)		125.8- 127.35 PO (1) diss + VNmm 127.35- 128.7 PO (tr) diss 128.7- 129.6m PO (1) +CPY (tr) [] in an intrv 10 cm og bleby PO 129.6- 130.2m PO (2) +CPY (tr) bleb PO + diss 130.2- 131.8m PO (tr) +CPY (tr) in one bleb PO+CP 131.8- 132.4m PO (4) +CPY (tr) [] in one VN 132.4- 133.75 133.75- 134.6 PO (4) +CPY (1) [] in two network of VN 10cm PO+CP(20) 134.6- 136m. PO (1) +CPY (tr) [] in one VN 2cm
163.9	176.2	**Ol gabbronorite**	(I3K)		
176.2	187.7	**Diorite** AM(40)+PG+BO(3)	(I2J)		
187.7	197	**Norite** OPX+OL(1-5)+PG+BO(1-3)	(I3J)		

ECH#	DE	A	Longueur (m)	Ni ppm
HPE-00608	125.80	127.35	1.55	700.00
HPE-00609	127.35	128.70	1.35	300.00
HPE-00610	128.70	129.60	0.90	1100.00
HPE-00611	129.60	130.20	0.60	1500.00
HPE-00612	130.20	131.80	1.60	200.00
HPE-00613	131.80	132.40	0.60	2300.00
HPE-00614	132.40	133.75	1.35	500.00
HPE-00615	133.75	134.60	0.85	5100.00
HPE-00616	134.60	136.00	1.40	500.00

RÉSULTATS DE GÉOCHIMIE - ASSAY

ECH. NO.	*DE*	*A*	*LONGUEUR*	*ROCHE*	*Ni (ppm)*	*Cu (ppm)*	*Co (ppm)*	*Au (ppb)*	*Pt (ppb)*	*Pd (ppb)*	*S (%)*	*Ni (mss)*	*SG (t/m3)*
HPE-00596	7	8.2	1.2		500	400	25						
HPE-00597	8.2	9.1	0.9		100	200	25						
HPE-00598	9.1	9.35	0.25		3900	1900	150						
HPE-00599	9.35	10.9	1.55		200	200	90						
HPE-00601	117	118.5	1.5		600	200	90						
HPE-00602	118.5	120.1	1.6		1000	400	60						
HPE-00603	120.1	121.4	1.3		300	100	25						
HPE-00604	121.4	123.1	1.7		300	100	120						
HPE-00605	123.1	124.6	1.5		2500	1700	200						
HPE-00606	124.6	125.35	0.75		900	400	80						
HPE-00607	125.35	125.8	0.45		14700	7500	840						
HPE-00608	125.8	127.35	1.55		700	700	240						
HPE-00609	127.35	128.7	1.35		300	300	100						
HPE-00610	128.7	129.6	0.9		1100	800	140						
HPE-00611	129.6	130.2	0.6		1500	800	120						
HPE-00612	130.2	131.8	1.6		200	300	120						
HPE-00613	131.8	132.4	0.6		2300	1900	100						
HPE-00614	132.4	133.75	1.35		500	500	25						
HPE-00615	133.75	134.6	0.85		5100	1700	380						
HPE-00616	134.6	136	1.4		500	500	25						

RÉSULTATS DE GÉOCHIMIE - COMPOSITES

RÉSULTATS DE GÉOCHIMIE - WHOLE ROCK