TITLE: TURNAGAIN NICKEL PROPERTY
DIAMOND DRILL REPORT ON CUB CLAIM

CLAIM WORKED: CUB

RECORD NUMBER: 345511

MINING DIVISION: LIARD

NTS MAP SHEET: 104I/07W

MINERAL TITLES REFERENCE MAP: M104I 046

LATITUDE: 58°27' - 58°30'

LONGITUDE: 128°48' - 128°56'

CLAIM OWNER: CANADIAN METALS EXPLORATION LIMITED

OPERATOR: CANADIAN METALS EXPLORATION LIMITED

DATE SUBMITTED: 27 FEBRUARY 2004

AUTHORS: CHRIS BALDYS P. Eng.
ANTHONY HITCHINS B.A.Sc., M.Sc.

TABLE OF CONTENTS

List of Figures

Appendices

INTRODUCTION

The Turnagain Property of Canadian Metals Exploration has been sporadically explored for nickel-copper-platinum-palladium mineralization since the mid-1960s. Disseminated intercumulus sulphide grains and blebs are the most widespread type of mineralization within the ultramafic suite of rocks present on the property. Occasionally the coalescing sulphide blebs produce net-textured to locally massive sulphide intervals in wehrlites and olivine pyroxenites.

During 2003, Canadian Metals Exploration drilled a number of holes to test for nickel mineralization and the results from three of these holes, totaling 1261.6m, are documented in this report.

PROPERTY DESCRIPTION AND ACCESS

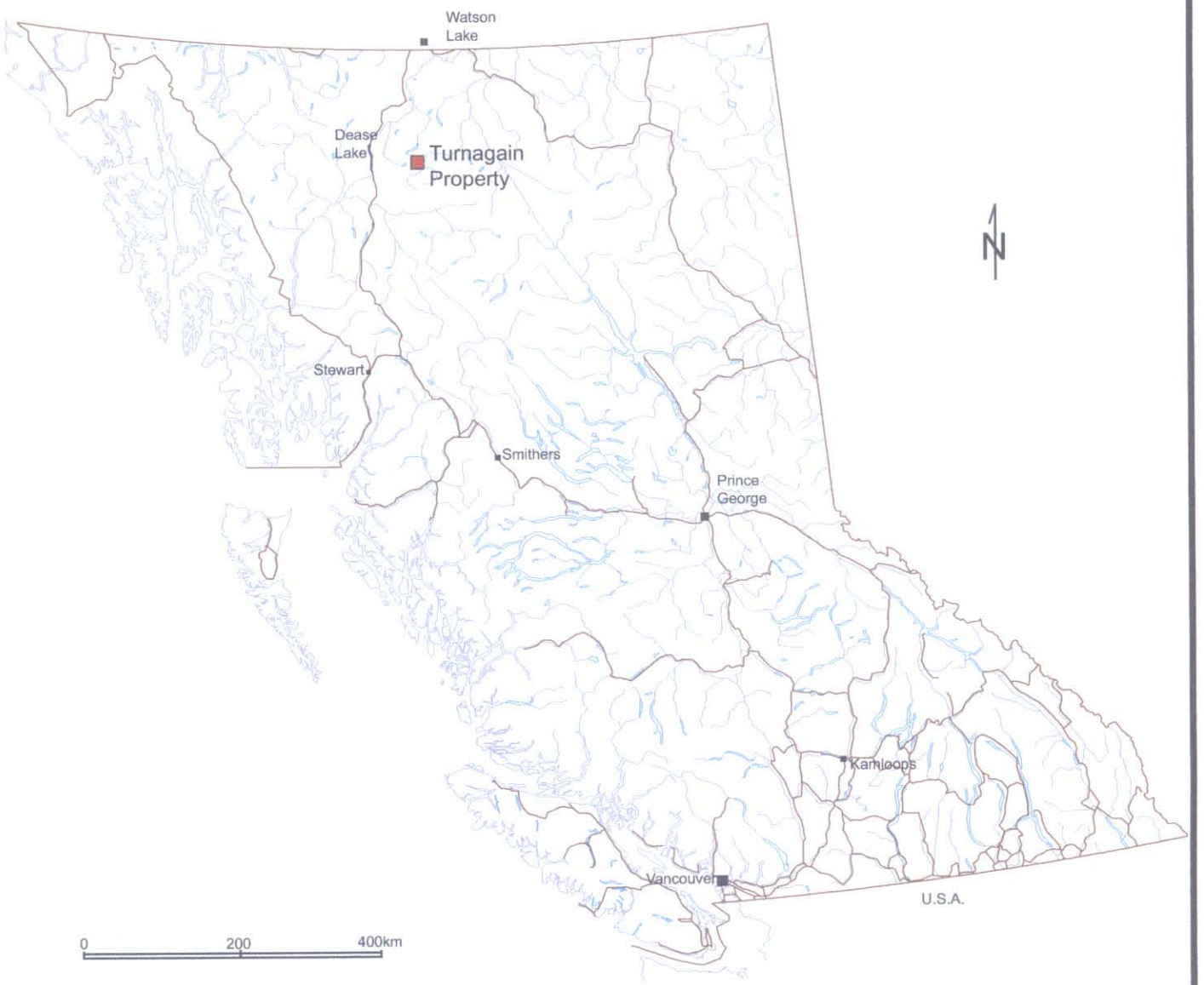
The Turnagain Property comprises twenty-three contiguous mineral claims located in the Liard Mining Division, 65 kilometres east of the community of Dease Lake and 1350 kilometres north-northwest of Vancouver (Figure 1). The property covers approximately 2,975 hectares located at the juncture of mineral titles maps 104I 046 and 104I 056 and comprises six four-post claims and seventeen two-post claims. Claim details are summarized in Appendix A and the relative locations illustrated in Figure 2.

The property can be accessed by helicopter and fixed-wing aircraft from Dease Lake to a 700m long gravel strip, located beside the exploration camp and core storage. During the drier summer months, access via the Turnagain River-Kutcho Creek mining road from Dease Lake to the property is possible. Several drill roads provide access to portions of the property on both sides of the Turnagain.

A twelve-person exploration camp was constructed on the property in April, 2003. Prior to this date, exploration was based in the placer mining camp located at Wheaton Creek (Boulder City) some 15 km east of the property. All core drilled before late April, 2003 s stored at the placer camp.

The Turnagain property covers a south-facing slope, which begins just above 1780 metres elevation and extends down to the Turnagain River at 1000 metres above sea level.

Outcrop exposure is abundant between tree line and the ridge crest but, except for approximately one percent exposure in the area of recent drilling, is poor over most of the claim block located west of the Turnagain River. Exposure is abundant on the low ridge extending east from the Turnagain River on the Cub 3-5 claims.

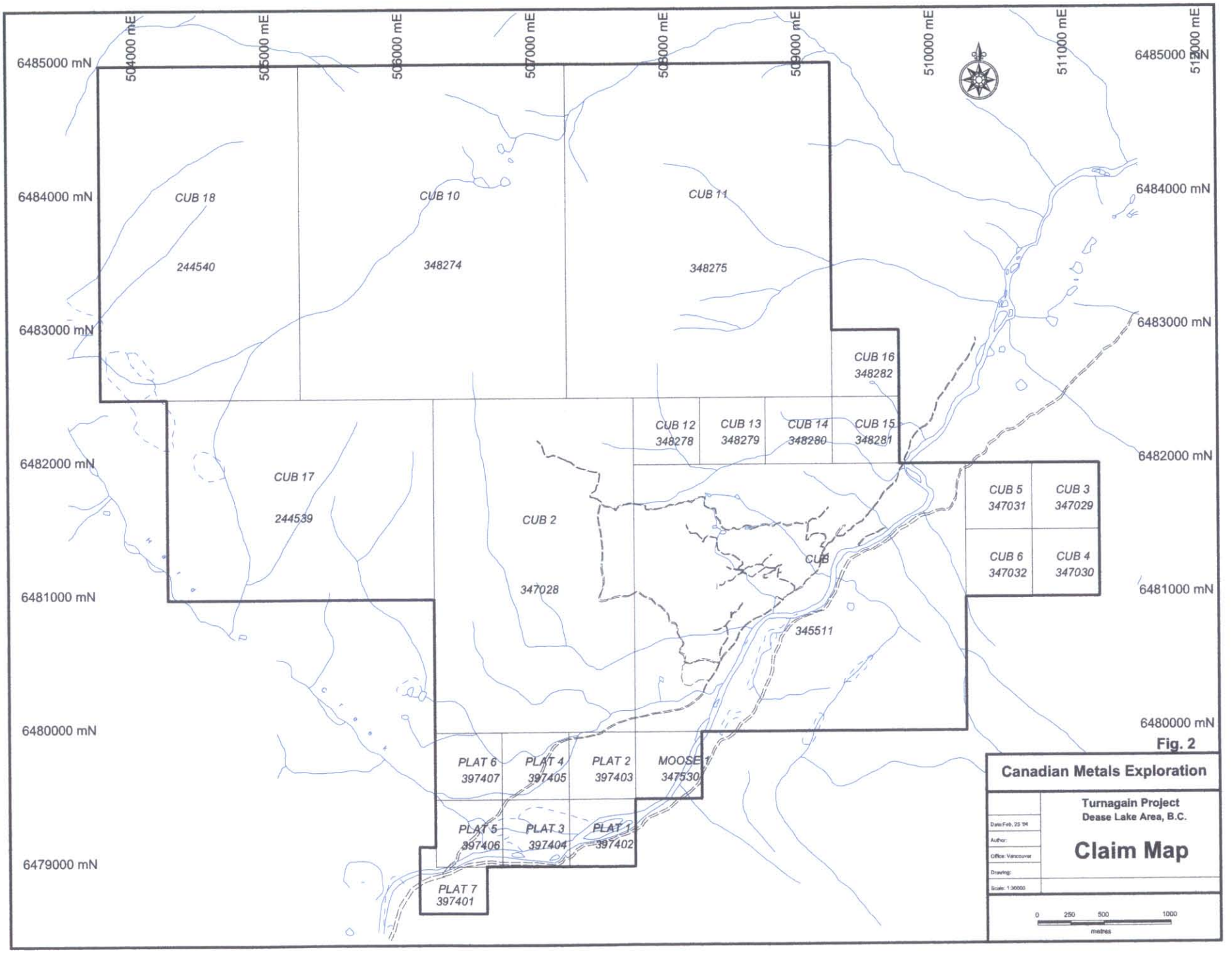


Canadian Metals Exploration Ltd.

Turnagain Project

NTS 104-I

Figure 1


504000 mE
505000 mE
506000 mE
507000 mE
508000 mE
509000 mE
510000 mE
511000 mE
512000 mE
6485000 mN
6484000 mN
6483000 mN
6482000 mN
6481000 mN
6480000 mN
6479000 mN
CUB 18
244540
CUB 10
348274
CUB 11
348275
CUB 16
348282
CUB 12
348278
CUB 13
348279
CUB 14
348280
CUB 15
348281
CUB 17
244539
CUB 2
347028
CUB 5
347031
CUB 3
347029
CUB 6
347032
CUB 4
347030
345511
PLAT 6
397407
PLAT 4
397405
PLAT 2
397403
MOOSE 1
347530
PLAT 5
397406
PLAT 3
397404
PLAT 1
397402
PLAT 7
397401
Fig. 2
Canadian Metals Exploration
Turnagain Project
Dease Lake Area, B.C.
Claim Map
Date:Feb. 25 '04
Author:
Office: Vancouver
Drawing:
Scale: 1:30000
0 250 500 1000
metres

PREVIOUS WORK

Nickel and copper sulphides were first recognized in rusty weathering exposures of the Discovery showing on the bank of the Turnagain River in about 1956. Falconbridge Nickel Mines acquired the property in 1966 and during the next seven years completed an airborne geophysical survey, ground geophysical surveys, geological mapping, geochemical surveys, and 2895 metres of core drilling in approximately 28 widely spaced holes (McDougall and Clark, 1972,1973). During the early1970s, adjacent claims were investigated with a geochemical survey by Union Miniere Exploration and Mining Corporation Ltd. (Burgoyne, 1971). Once the Falconbridge and UMEX claims expired, a number of the showings were restaked and tested with one drill hole for 17 metres located near the east bank of the Turnagain River (Cukor, 1980).

By the mid-1980s, exploration interest shifted to platinum group elements. The Falconbridge core was re-sampled and a geochemical survey for platinum group elements was conducted for Equinox Resources Ltd. (Cukor, 1987; Page, 1986).

In 1996, Bren-Mar Resources Limited (predecessor to Canadian Metals Exploration Limited) optioned the property from J. Schussler and E. Hatzl. Between 1996 and 1998, Bren-Mar completed an airborne magnetic survey over 45 square kilometres, 19 core holes for 3889 metres, down-hole pulse electromagnetic survey in four of the 1997-1998 drill holes and preliminary metallurgical test work on drill core composite samples (Livgard, 1996; Downing, 1998).

Canadian Metals Exploration Limited resumed exploration in 2002 with an induced polarization and ground magnetic survey followed by 1687 metres of diamond drilling in seven holes (Downing, 2003; Woods, 2003). The 2003 exploration program emphasized diamond drilling and resulted in 23 holes, including deepening one of the 2002 holes, for a total of 8769 metres.

GEOLOGICAL SETTING

Regional Setting

The Turnagain nickel property is hosted by an ultramafic complex, of presumed late Triassic age, within Paleozoic metasedimentary and metavolcanic rocks along the faulted terrane boundary between the cratonic margin and accreted terrane. There is some uncertainty to the age and origin of the Paleozoic rocks adjacent to the Turnagain ultramafic complex and Nixon (1998) has presented two interpretations. One interpretation suggests that the Paleozoic rocks are autochthonous and range in age from Cambrian to Upper Paleozoic – Triassic. An alternative interpretation, and the one favoured by Nixon, places the Turnagain ultramafic complex within an imbricated sequence of Late Paleozoic to Triassic sedimentary and volcanic rocks which were thrust eastward onto the margin of the North American craton. Support for this latter interpretation comes in part from the belief that the Turnagain ultramafic body is a zoned, Alaskan–type complex and other known examples in the northwestern Cordillera occur in accretionary terrane. Despite the differing interpretations, both place the Turnagain ultramafic body along a major terrane boundary, a geological environment similar to many of the major nickel-bearing ultramafic intrusions of the Canadian Shield.

A number of non-zoned, ultramafic bodies are exposed in rocks of the Cache Creek terrane, south and west of the Turnagain ultramafic body. Most of these are strongly serpentinized and host a number of asbestos and jade occurrances.

Property Geology

The property covers the known extent of a zoned, Alaskan-type ultramafic intrusion, which measures 8 kilometres by 3 kilometres and is elongate in northwest direction, conformable to the regional structural grain. The ultramafic body is in fault contact with Paleozoic, graphitic sedimentary rocks along its northern and eastern magins. The southern contact is poorly exposed, but several drill holes have penetrated the contact and intersected deformed, graphitic, phyllitic rocks in fault contact with the ultramafic sequence. Locally, the phyllitic rocks displayed a weak brownish cast, suggestive of minor thermal alteration.

The ultramafic complex consists of a central, well exposed dunite core and an outer zone of less exposed wehrlite, olivine pyroxenite, pyroxenite and minor hornblendite. All of these rock types and gradations between them have been interpreted as crystal cumulates (Clark, 1980; Nixon, 1998). Narrow bands and schlieren of millimetre-sized chromite crystals have been noted in dunite exposures and drill core. Phlogopite is a minor accessory mineral, but is locally conspicuous in dunite and wehrlite.

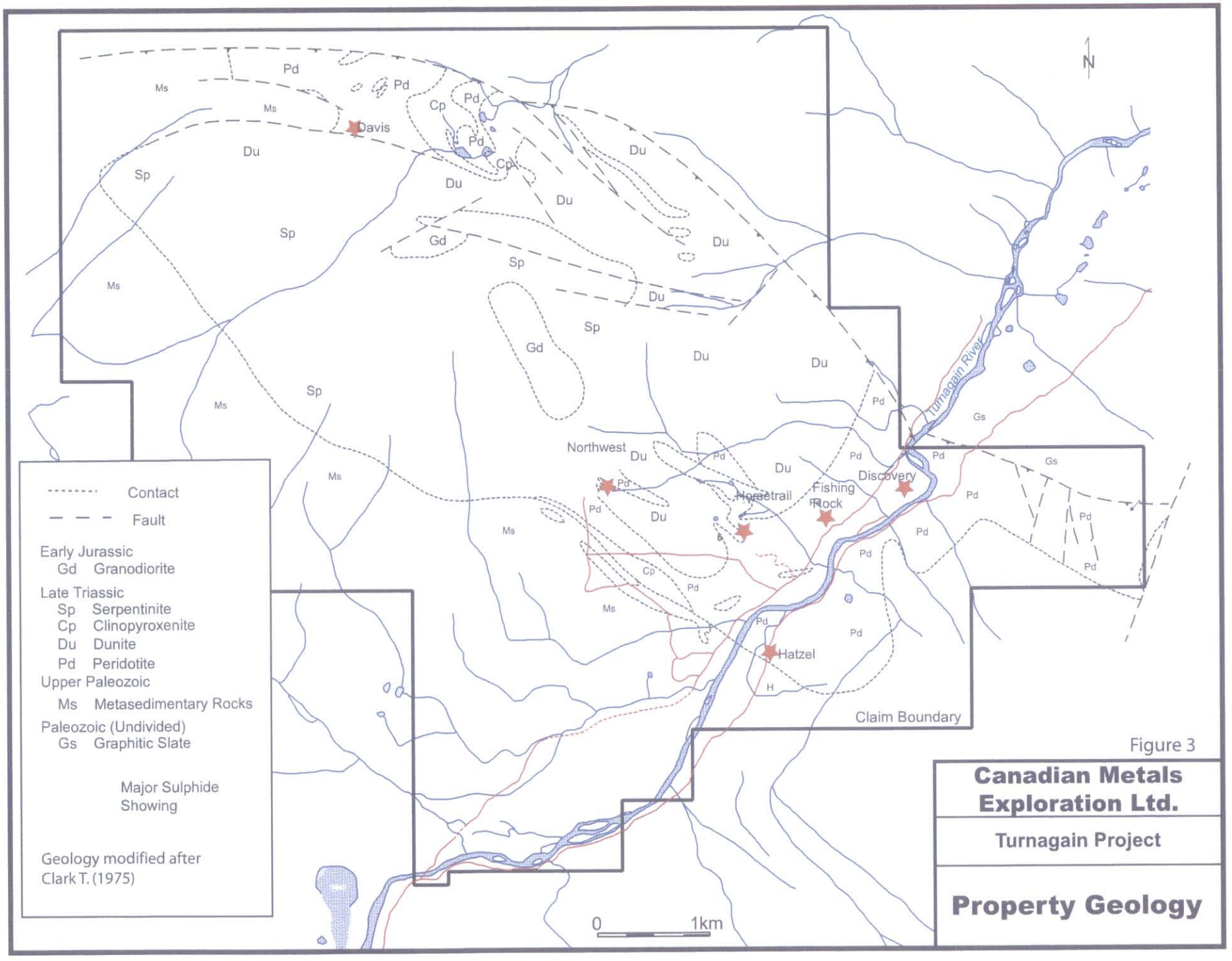
Alteration varies from weak to intense serpentinization, with several ages and colours of serpentine present. Most of the prominent magnetic anomaly coinciding with the ultramafic body is thought to result from magnetite produced during serpentinization rather than from cumulus magnetite. Talc replacement of narrow felsic dykes and adjacent wall rock is often intense and is later than most of the serpentine alteration. Fine-grained tremolite often occurs with serpentine alteration but does comprise the majority of some core intervals.

The Turnagain ultramafic body is considered an Alaskan- type intrusion for the following features (Nixon, 1998):

- orthopyroxene is lacking
- clinopyroxene compositions are diopsidic and comparable to other Alaskan-type intrusions
- ultramafic cumulates are restricted to mixtures of olivine and clinopyroxene with minor chromite, rare amphibole and trace phlogopite
- localized chromitite layers in the dunite have been remobilized to form schlieren and syndepositional folds, features that are characteristic of all Alaskan-type intrusions in British Columbia.

MINERALIZATION

Despite its similarities to other Alaskan-type intrusions, the Turnagain ultramafic complex differs from most others in at least one important aspect, it hosts half a dozen


N
Davis
Northwest
Horsetrail
Fishing Rock
Discovery
Hatzel
Turnagain River
Claim Boundary
0
1km
Contact
Fault
Early Jurassic
Gd Granodiorite
Late Triassic
Sp Serpentinite
Cp Clinopyroxenite
Du Dunite
Pd Peridotite
Upper Paleozoic
Ms Metasedimentary Rocks
Paleozoic (Undivided)
Gs Graphitic Slate
Major Sulphide Showing
Geology modified after Clark T. (1975)
Figure 3
Canadian Metals Exploration Ltd.
Turnagain Project
Property Geology

known occurrences of magmatic pyrrhotite-pentlandite-chalcopyrite mineralization (Figure 5). In drill core, these sulphides generally occur as disseminated zones of intercumulus to blebby sulphides that locally coalesce to form net-textured zones of sulphides enclosing silicate grains. Sections of semi-massive to massive sulphides are occassionally in contact with overlying (?) net-textured sulphides and rarely in sharp contact with only weakly disseminated sulphides. The latter occurrences are interpreted as resulting from a squirt of liquid sulphide from a nearby, originally molten, semi-massive to massive, cumulus sulphide body. Host rock for most of the disseminated intercumulus mineralization is a dark grey coloured wehrlite, usually proximal to a gradational contact between wehrlite and dunite. The higher-grade, more sulphide-rich intercepts are often adjacent to more pyroxene-rich lithologies.

Short intervals of vein or massive pyrrhotite, usually with varying amounts of vein-chalcopyrite, massive graphite and blebby to massive magnetite, are spatially related to faults and zones of intense serpentine-tremolite alteration. These sulphide occurrences usually have a lower pentlandite/pyrrhotite ratio than primary sulphide intervals and might represent partial remobilization from nearby primary sulphides during a post-magmatic event.

2003 DIAMOND DRILL PROGRAM

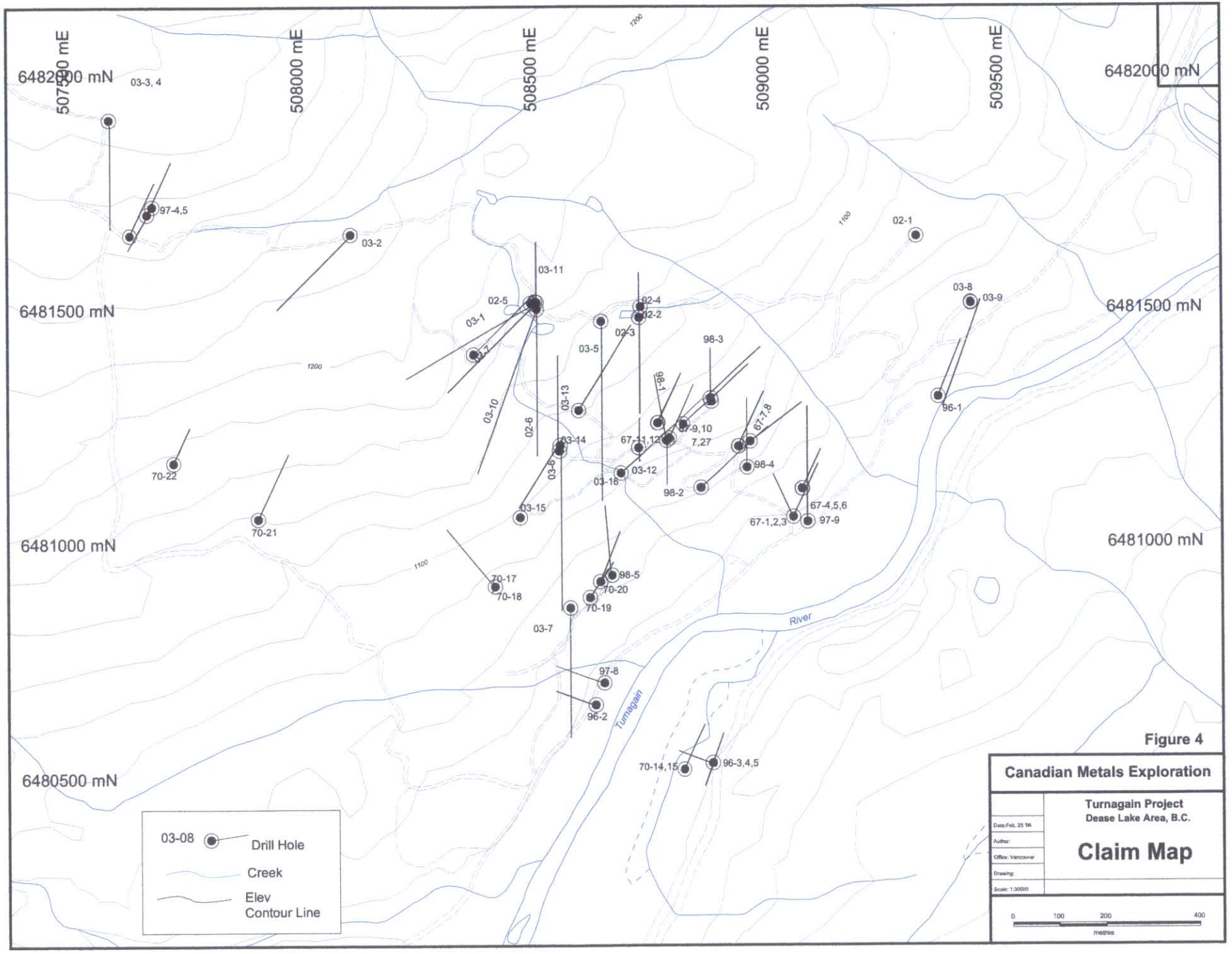
The three holes described in this report were designed to test for primary sulphide mineralization in two areas. Hole 03-02 tested for a strike extension, to the northwest, of intercumulus sulphide mineralization intersected in several holes drilled in 2002. The other two holes, 03-08 and 03-09, were drilled beneath the Fishing Rock showing of intercumulus to, locally, net-textured pyrrhotite-pentlandite. Drill collar co-ordinates and orientation of the drill holes are tabulated below with drill logs attached as Appendix B.

Hole	Northing	Easting	Elevation	Azimuth	Inclination	Total Depth
03-02	6481656	508117	1230m	225°	-45°	532.2m
03-08	6481507	509446	1033m	200°	-60°	477.3m
03-09	6481508	509446	1033m	200°	-85 °	252.1m

Drilling was conducted by D. J. Drilling of Surrey, B. C. utilizing a skid-mounted Longyear 38 drill. The BQ sized core is stored either at the Boulder City placer camp (03-02) or beside the airstrip on the Turnagain property (03-08 and 03-09).

All core was split into two metre or shorter intervals and the bagged samples shipped by helicopter and truck to Acme Laboratory in Vancouver for analyses on as many as 39 elements, of which Ni, Cu, Co, Pt, Pd and S were of most interest. Certificates of analyses for all elements and tables correlating depths with analytical results for Ni, Cu, Co, Pt, Pd, Au, and S are attached as Appendix C. Descriptions of Acme's analytical methods are also included in Appendix C.

Since olivine often contains appreciable nickel in the silicate lattice and is soluble in hydrochloric acid, analytical methods using an Aqua Regia digestion for sulphide nickel mineralization in olivine-rich ultrabasic rocks often report close to total nickel instead of


507500 mE
508000 mE
508500 mE
509000 mE
509500 mE
6482000 mN
6481500 mN
6481000 mN
6480500 mN
03-3, 4
97-4,5
03-2
03-11
02-5
03-1
02-7
02-4
02-2
02-3
03-5
98-3
98-1
03-13
03-10
02-6
03-14
67-11,12
67-9,10
7,27
67-7,8
03-12
03-16
98-4
98-2
03-15
03-6
67-4,5,6
67-1,2,3
97-9
70-22
70-21
02-1
03-8
03-9
96-1
70-17
70-18
98-5
70-20
70-19
03-7
97-8
96-2
70-14,15
96-3,4,5
River
Turnagain
1200
1100
03-08
Drill Hole
Creek
Elev
Contour Line
Figure 4
Canadian Metals Exploration
Turnagain Project
Dease Lake Area, B.C.
Date:Feb. 25 '94
Author:
Office: Vancouver
Drawing:
Scale: 1:30000
Claim Map
0
100
200
400
metres

only nickel from sulphide. In an attempt to distinguish between the two sources of nickel, the core samples were also analyzed for sulfur and every tenth sample was analyzed for sulphide nickel using the ammonium citrate-hydrogen peroxide technique (Appendix C). Nickel analyses were considered to be of exploration significance when an Aqua Regia analysis >0.25 percent was supported by sulfur in the range of 0.4 percent or greater and ammonium citrate-hydrogen peroxide nickel values were at least 80 percent of the Aqua Regia nickel values. By applying these parameters to the analytical results, it is apparent that the majority of the nickel in holes 03-02 and 03-09 is contained within olivine. In contrast, hole 03-08 contains a long interval, from 392 m to 455 m, where nickel values between 0.25 and 0.5 percent are predominantly from sulphide.

CONCLUSIONS

The nickel values in hole 03-08 are derived from intercumulus sulphides and could represent the down dip extension of the Fishing Rock showing.

Additional drilling is warranted to test the overburden covered area west of the Fishing Rock showing.

REFERENCES

Burgoyne, Alfred A. (1971): Geochemical Soil Survey, Agnes and Sand Mineral Claims, Liard Mining Division, BC Ministry of Energy and Mines Assessment Report 3206.

Clark, Thomas (1980): Petrology of the Turnagain Ultramafic Complex, Northwestern British Columbia, Canadian Journal of Earth Sciences, vol. 17, no. 6, pp. 744-757.

Crosby, Richard O. and Steele, John (1969): Report on Airborne Geophysical Surveys, Cry Lake Area, B.C. on behalf of Falconbridge Nickel Mines Limited, BC Ministry of Energy and Mines Assessment Report 2056.

Cukor, V. (1980): Cub Mineral Claim, Turnagain River Area, Liard Mining Division, BC Ministry of Energy and Mines Assessment Report 8055.

Cukor, V. (1987): Geological Report on the Cub Claims, Liard Mining Division, BC Ministry of Energy and Mines Assessment Report 16458.

Downing, B. (1998): Turnagain Nickel-Cobalt Project, BC Ministry of Energy and Mines Assessment Report 25475.

Downing, B. (2003): Geological Report on Turnagain Nickel, Cobalt, Copper, PGM Project, BC Ministry of Energy and Mines Assessment Report.

Livgard, E. (1996): Exploration 1996, Cub Claims, Liard Mining Division, BC Ministry of Energy and Mines Assessment Report 24911.

McDougall, J.J. and Clark, T. (1972): Geological Report on the South Group Mineral Claims, Turnagain River, B.C., BC Ministry of Energy and Mines Assessment Report 3735.

McDougall, J.J. and Clark, T. (1973): Geological Report on the North Group Mineral Claims, Turnagain River, B.C., BC Ministry of Energy and Mines Assessment Report 4097.

Nixon, G.T. (1998): Ni-Cu Mineralization in the Turnagain Alaskan-Type Complex: A Unique Magmatic Environment in Geological Fieldwork 1997, pp. 18-1 to18-10.

Page, Jay W. (1986): Report on a Geochemical Survey on the Turnagain Property, Liard Mining Division, BC Ministry of Energy and Mines Assessment Report 15994.

Woods, D.V. (2003): Geophysical Interpretation Report on Magnetic and Induced Polarization-Resistivity Surveys, BC Ministry of Energy and Mines Assessment Report

STATEMENT OF QUALIFICATIONS
ANTHONY HITCHINS

I Anthony Hitchins, with address at 1648 Mayneview Terrace, North Saanich, B.C., certify the following;

1. I graduated with a B.A.Sc. degree in engineering geology from the University of Toronto in1970 and an M.Sc. in geology, also from the University of Toronto, in 1973.

2. From 1970 until 1994 I worked in mineral exploration in Nova Scotia, Ontario, British Columbia, and Yukon for the Amax-Canamax group of companies in positions of increasing responsibility from field geologist to project manager. Exploration environments included Archean greenstone belts (gold and base metals), Paleozoic sedimentary belts (shale and carbonate hosted Pb-Zn-Ag), and Mesozoic intrusive and skarn environments (Au, Mo, W, Pb-Zn-Ag, and Cu-Fe).

3. Between 1994 and 1998, I was district exploration manager for Cyprus Gold in Western Australia and responsible for supervising both joint venture and Cyprus funded gold exploration projects.

4. From 1998 to the present I have worked as project manager for junior exploration companies in Nevada and British Columbia.

5. During 2003, I was project manager for the exploration program on the Turnagain property and logged some of the drill core.

STATEMENT OF QUALIFICATIONS

CHRIS BALDYS

I CHRISTOPHER BALDYS, P.Eng. do hereby certify that:

1. I am a Consulting Geologist with residence and business address at 23035 Cliff Avenue, British Columbia.

2. I graduated in 1980 with a degree in mining geology from the University of Mining and Metallurgy in Cracow, Poland

3. I have practiced my profession in Poland between 1980 and 1983 and in mineral exploration and mining in Canada since 1984.

4. I have been registered with the Association of Professional Engineers and Geoscientists of British Columbia since 1990.

5. I am responsible for the preparation of drill logs and geological interpretation for the purpose of this Assessment Report.

APPENDIX A

CLAIMS LIST

Claim Name	Record No.	Units	Record Date	Expiry Date
Cub	345511	20	May 5, 1996	Dec. 1, 2009
Cub 2	347028	15	June 20, 1996	Dec. 1, 2008
Cub 3	347029	1	June 19, 1996	Dec. 1, 2008
Cub 4	347030	1	June 19, 1996	Dec. 1, 2008
Cub 5	347031	1	June 19, 1996	Dec. 1, 2008
Cub 6	347032	1	June 19, 1996	Dec. 1, 2008
Moose	347530	1	July 3, 1996	Dec. 1, 2008
Cub 10	348274	20	July 16, 1996	Dec. 1, 2008
Cub 11	348275	20	July 17, 1996	Dec. 1, 2008
Cub 12	348278	1	July 17, 1996	Dec. 1, 2008
Cub 13	348279	1	July 17, 1996	Dec. 1, 2008
Cub 14	348280	1	July 17, 1996	Dec. 1, 2008
Cub 15	348281	1	July 17, 1996	Dec. 1, 2008
Cub 16	348282	1	July 17, 1996	Dec. 1, 2008
Cub 17	396708	12	Sept. 17, 2002	Dec. 1, 2008
Cub 18	396709	15	Sept. 17, 2002	Dec. 1, 2008
Plat 7	397401	1	Oct. 22, 2002	Dec. 1, 2008
Plat 1	397402	1	Oct. 22, 2002	Dec. 1, 2008
Plat 2	397403	1	Oct. 22, 2002	Dec. 1, 2008
Plat 3	397404	1	Oct. 22, 2002	Dec. 1, 2008
Plat 4	397405	1	Oct. 22, 2002	Dec. 1, 2008
Plat 5	397406	1	Oct. 22, 2002	Dec. 1, 2008
Plat 6	397407	1	Oct. 22, 2002	Dec. 1, 2008

Expiry dates shown are conditional on acceptance of this assessment report.

APPENDIX B

Depth	Az.	Dip Reading	Corrected Dip
76.5	225°	-58°	-50°
318.8		-59°	-51°
532.2		-61.5°	-53

DIAMOND DRILL RECORD

HOLE# 03-02

Property Turnagain NTS Map 104I046 Page 1 of 15

Location Collar Elev Core Size BQ Depth

Date Start 14-4-03 Date Finish 23-4-03 Drilled By DJ Drilling Az 225° Dip -50°

DateLogged 17-23 Apr 2003 Logged By T. Hitchins

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
0	4				CASING	Series 'A'							
4	33.8			<1%	DUNITE: greenish grey, med. grained,								
					non to weakly magnetic; 2% serp.	185322	4.0	6.0					
					veins;	323	6.0	8.0					
					trace to <1% disseminated po	324	8.0	10.0					
					24m greenish cast gone,	325	10.0	12.0					
					moderately magnetic	326	12.0	14.0					
					26-33m broken sections, black	327	14.0	16.0					
					and green serp.	328	16.0	18.0					
33.8	60.1			<1	WEHRLITE: medium grey colour,	329	18.0	20.0					
					coarse grained; olivine and	185330	20.0	22.0					
					cl/mg pyroxene crystals to 1.3cm;	331	22.0	24.0					
					patchy serp. alteration;	332	24.0	26.0					
					trace diss. sulphides	333	26.0	28.0					
					56.8m 60cm interval with	334	28.0	30.0					
					abundant pyroxene	335	30.0	32.0					
60.1	62.9				SERPENTINITE: dark grey	336	32.0	34.0					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
					to black colour; strongly magnetic	185337	34.0	36.0					
					61m. 25cm. talc, possibly includes	338	36.0	38.0					
					10cm altered dyke	339	38.0	40.0					
						1853340	40.0	42.0					
62.9	102.0			0-3%	WEHRLITE: med to dark grey colour,	341	42.0	44.0					
					coarse grained; poikilitic pyroxene	342	44.0	46.0					
					to 1.5cm; includes <1m dunite bands;	343	46.0	48.0					
					moderately to strongly magnetic;	344	48.0	50.0					
					hair line serp. veins; weak to mod.	345	50.0	52.0					
					serp. alteration of olivine;	346	52.0	54.0					
					trace to locally 3% fine disseminated	347	54.0	56.0					
					and intercumulus sulphides	348	56.0	58.0					
					89.6m 10cm dyke; tan coloured,	349	58.0	60.0					
					soft, altered	185350	60.0	62.0					
					90.7-92.1m. serp. alteration; serp-	351	62.0	64.0					
					talc slip parallel to core axis;	352	64.0	66.0					
					silver-grey talc(?) on fractures	353	66.0	68.0					
					in serp.	354	68.0	70.0					
					clinopyroxene varies from 10-50%	355	70.0	72.0					
					over short intervals.								

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
					97.7m several 5mm veins of a white,	185356	72.0	74.0					
					soft, waxy appearing mineral with	357	74.0	76.0					
					concoidal fracture; porous (sticky	358	76.0	78.0					
					on tongue); slippery feel.	359	78.0	80.0					
					97-102m lower contact marked by	185 360	80.0	82.0					
					moderate serp. alteration and	361	82.0	84.0					
					white coating on fractures.	362	84.0	86.0					
						363	86.0	88.0					
102.0	132.0			<1	DUNITE: medium grey colour, medium	364	88.0	90.0					
					to coarse grained; weakly magnetic;	365	90.0	92.0					
					thin green serp slips every 10-40cm.	366	92.0	94.0					
					in top 10m.	367	94.0	96.0					
					trace disseminated sulphides.	368	96.0	98.0					
					121.0-130.0m coarse grained dunite	369	98.0	100.0					
					with olivine crystals to 1.3cm	185370	100.0	102.0					
						371	102.0	104.0					
132.0	141.9				SERPENTINITE: black; broken core,	372	104.0	106.0					
					minor green serp. slips; scattered	373	106.0	108.0					
					1-2mm asbestos veins.	374	108.0	110.0					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
					135.2m 8cm soft, altered, felsic dyke	185375	110.0	112.0					
						376	112.0	114.0					
141.9	166.3			<1%	DUNITE: medium dark grey colour,	377	114.0	116.0					
					medium to coarse grained,	378	116.0	118.0					
					weakly magnetic; green serp slips	379	118.0	120.0					
					every 0.5-2m;	185 380	120.0	122.0					
					rare to trace disseminated sulphides	381	122.0	124.0					
						382	124.0	126.0					
166.3	169.4				SERPENTINITE: black with greenish-	383	126.0	128.0					
					black patches and 1mm. wide	384	128.0	130.0					
					asbestos veins	385	130.0	132.0					
					168.3m 30cm altered felsic dyke,	386	132.0	134.0					
					lower contact brecciated(?) with	387	134.0	136.0					
					rounded fragments in a brown talc	388	136.0	138.0					
					and calcite matrix	389	138.0	140.0					
169.4	198.0			<1%	DUNITE: med. to dark grey,	185 390	140.0	142.0					
					similar to 141.9-166.3m; locally	391	142.0	144.0					
					olivine crystals to 2cm; weakly	392	144.0	146.0					
					magnetic, green serp slip veins	393	146.0	148.0					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
					± talc 50-100cm apart;	Series 'A' 185394	148.0	150.0					
					rare grain of sulphide	395	150.0	152.0					
						396	152.0	154.0					
198.0	200.6				SERPENTINITE: black with some	397	154.0	156.0					
					green serp. slip veins	398	156.0	158.0					
					194.3 - 200.0m dyke, fine grained,	399	158.0	160.0					
					medium light green colour; altered	185400	160.0	162.0					
						401	162.0	164.0					
200.6	229.5			LL	DUNITE: med. to dark grey, coarse	402	164.0	166.0					
					grained; weak to moderate	403	166.0	168.0					
					magnetism, rare to trace	404	168.0	170.0					
					sulphides.	405	170.0	172.0					
229.5	233.4m				SERPENTINITE: dark grey to	406	172.0	174.0					
					black colour; thin asbestos veins	407	174.0	176.0					
					as 30cm greenish dyke at 230.4m	408	176.0	178.0					
					is approached;	409	178.0	180.0					
						185410	180.0	182.0					
						411	182.0	184.0					
						412	184.0	186.0					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
233.4	410.5			<1	DUNITE: medium to dark grey,	185413	186.0	188.0					
					coarse grained, weak to moderate	414	188.0	190.0					
					magnetism; scattered green serp.	415	190.0	192.0					
					slips	416	192.0	194.0					
					246 – 247.7m dark green serp	417	194.0	196.0					
					alteration; broken core; narrow	418	196.0	198.0					
					altered dykes?	419	198.0	200.0					
					251.5 – 253.4m 20cm felsic dyke	185420	200.0	202.0					
					cores serp. alteration	421	202.0	204.0					
					278. – 284.0m green serp slips	422	204.0	206.0					
					often parallel to core axis	423	206.0	208.0					
					314.0 – 320.3m greenish gray dunite	424	208.0	210.0					
				1-2%	318 – 324.0m 1-2% diss sulphides	425	210.0	212.0					
					pentlandite > pyrrhotite	426	212.0	214.0					
						427	214.0	216.0					
						428	216.0	218.0					
						429	218.0	220.0					
						185430	220.0	222.0					
						185431	222.0	224.0					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
						Series A 185432	224.0	226.0					
						433	226.0	228.0					
						434	228.0	230.0					
						435	230.0	232.0					
						436	232.0	234.0					
						437	234.0	236.0					
						438	236.0	238.0					
						439	238.0	240.0					
						185440	240.0	242.0					
						441	242.0	244.0					
						442	244.0	246.0					
						443	246.0	248.0					
						444	248.0	250.0					
						445	250.0	252.0					
						446	252.0	254.0					
						447	254.0	256.0					
						448	256.0	258.0					
						449	258.0	260.0					
						185450	260.0	262.0					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
						185451	262.0	264.0					
						452	264.0	266.0					
						453	266.0	268.0					
						454	268.0	270.0					
						455	270.0	272.0					
						456	272.0	274.0					
						457	274.0	276.0					
						458	276.0	278.0					
						459	278.0	280.0					
						185460	280.0	282.0					
						461	282.0	284.0					
						462	284.0	286.0					
						463	286.0	288.0					
						464	288.0	290.0					
						465	290.0	292.0					
						466	292.0	294.0					
						467	294.0	296.0					
						468	296.0	298.0					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
					327.5m 50cm. dyke, light green,	185469	298.0	300.0					
					altered; dark green and black	470	300.0	302.0					
					serpentine for 30cm above dyke	471	302.0	304.0					
					328.5-332.0m dark green serp. and	472	304.0	306.0					
					talc slips, broken core; odd light	473	306.0	308.0					
					green dyke <10cm wide;	474	308.0	310.0					
					light green pyroxene vein at	475	310.0	312.0					
					end of interval.	476	312.0	314.0					
					338.2-338.9m green serp. slips and	477	314.0	316.0					
					chips; most slips parallel to	478	316.0	318.0					
					core axis	479	318.0	320.0					
					353-356m black serp. alteration	185480	320.0	322.0					
					centred on two light green, altered	481	322.0	324.0					
					dykes 15-20cm wide	482	324.0	326.0					
					358.1m 15cm greenish dyke	483	326.0	328.0					
					370.0-372.9m black and green	484	328.0	330.0					
					serp. alteration, narrow asbestos	485	330.0	332.0					
					veins	486	332.0	334.0					
					379.4-379.5m wehrlite	487	334.0	336.0					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
					392m 2cm olivine crystals and	185488	336.0	338.0					
					scattered poikilitic pyroxene	489	338.0	340.0					
					395.5-396.1m dyke, fine grd. lt brown	185490	340.0	342.0					
					398.1m 20cm altered hb. phyric dyke	491	342.0	344.0					
					397.0m 30cm wehrlite;	492	344.0	346.0					
					406.5-406.8m 1-2% diss. to	493	346.0	348.0					
					intercumulus sulphides;	494	348.0	350.0					
410.5	413.1			<1%	WEHRLITE: med. dark grey,	495	350.0	352.0					
					coarse grained; weak to moderate	496	352.0	354.0					
					magnetism; similar to previous	497	354.0	356.0					
					2.00m of dunite except for	498	356.0	358.0					
					increased pyroxene content;	499	358.0	360.0					
413.1	419.0			<1%	DUNITE: med dark grey, coarse	185500	360.0	362.0					
					grained; 2cm crystals near	501	362.0	364.0					
					lower contact	502	364.0	366.0					
419.0	422.0			<1%	WEHRLITE: medium-dark	503	366.0	368.0					
					grey, coarse grained; weak to	504	368.0	370.0					
					moderate magnetism;	505	370.0	372.0					
					Trace to <1% diss. sulphide	506	372.0	374.0					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
422	430			<1	DUNITE: as for 413.1-419m	185507	374.0	376.0					
					425-427.0m trace to 1% diss.	508	376.0	378.0					
					sulphides; pentlandite > pyrrhotite	509	378.0	380.0					
430	432.1				SERPENTINITE: black to greenish	185510	380.0	382.0					
					black colour; mod. to strongly	511	382.0	384.0					
					magnetic; 5-6 hairline asbestos	512	384.0	386.0					
					veins per cm. 2-3mm asbestos	513	386.0	388.0					
					veins cored by magnetite vein	514	388.0	390.0					
					430.4m 20cm. dyke weakly	515	390.0	392.0					
					hornblende phyric	516	392.0	394.0					
432.1	440.4				DUNITE: as for 413.1-419m	517	394.0	396.0					
					434m graphite(?) slip	518	396.0	398.0					
					435.5m 15cm pyroxene vein	519	398.0	400.0					
					438.8m 50cm of wehrlite	185520	400.0	402.0					
440.4	446.9				DYKES and SERP-MAGNETITE	521	402.0	404.0					
					banded dark greenish serpentine	522	404.0	406.0					
					rich bands and purplish magnetite-	523	406.0	408.0					
					silica(?) bands at 70-80° to C.A.	524	408.0	410.0					
					with a 10cm. tan felsic dyke	525	410.0	412.0					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
					at 440.4m; 30cm. hornblende	Series A 185526	412.0	414.0					
					phyric dyke at 441.7m; and	527	414.0	416.0					
					25cm broken, altered greenish	528	416.0	418.0					
					coloured dyke at 443m.	529	418.0	420.0					
446.9	481.0			<1%	DUNITE: medium grey; medium to coarse	185530	420.0	422.0					
					grained; scattered poikilitic pyroxene	531	422.0	424.0					
					in top several metres; minor serp.	532	424.0	426.0					
					alteration;	533	426.0	428.0					
					Trace to 1% disseminated sulphides	534	428.0	430.0					
					pentlandite > pyrrhotite above 470m	535	430.0	432.0					
					po > pn below 470m	536	432.0	434.0					
					447-447.5m 1-2% sulphides, pn. > po	537	434.0	436.0					
					450.8m 10cm dyke; green to tan	538	436.0	438.0					
					colour; soft; altered.	539	438.0	440.0					
					narrow dykes at the following	185540	440.0	442.0					
					depths with 1-3cm talc-amphibole	41	442.0	444.0					
					alteration halos; 457m 15cm dyke;	42	444.0	446.0					
					459m 20cm hb. phyric dyke; 460.1m	43	446.0	448.0					
					2cm dyke, 465.6m 12cm hb. phyric	44	448.0	450.0					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
				1.5%	473-478m 1-2% diss. to intercumulus	185545	450.0	452.0					
					pyrrhotite	546	452.0	454.0					
				2.5%	480-481m 2-3% diss. and intercumulus	po. 547	454.0	456.0					
						548	456.0	458.0					
						549	458.0	460.0					
481.0	483.4			1%	WEHRLITE: medium dark grey	185550	460.0	462.0					
					colour; medium coarse grained,	551	462.0	464.0					
					moderate to strongly magnetic;	552	464.0	466.0					
					trace to 2% disseminated to intercumulus	553	466.0	468.0					
					pyrrhotite; generally fine grained but	554	468.0	470.0					
					rare grain to 2mm;	555	470.0	472.0					
						556	472.0	474.0					
483.4	500.6			1%	DUNITE: medium dark grey; medium	557	474.0	476.0					
					grained; moderately magnetic;	558	476.0	478.0					
					trace to locally 2% disseminated and	559	478.0	480.0					
					intercumulus sulphides, po > pn	185560	480.0	482.0					
					488.7m 2cm altered light green dyke	561	482.0	484.0					
					491.5-495.0m greenish grey dunite,	562	484.0	486.0					
					no sulphides	563	486.0	488.0					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
					496m two 10cm felsic dykes	Series 'A' 185564	488.0	490.0					
					496.7m 8cm hornblende phyric dyke	565	490.0	492.0					
					495.0 - 500.6m grey coloured dunite	566	492.0	494.0					
					<1% disseminated sulphides	567	494.0	496.0					
500.6	508.0				SERPENTINITE; dark grey to black,	568	496.0	498.0					
					strongly magnetic; core often broken.	569	498.0	500.0					
					trace to 1% disseminated sulphides	185570	500.0	502.0					
					with pentlandite > pyrrhotite;	71	502.0	504.0					
					local patches of narrow asbestos	72	504.0	506.0					
					veins;	73	506.0	508.0					
					500.6m 5cm felsic dyke	74	508.0	510.0					
					501.7m 15cm greenish dyke,	75	510.0	512.0					
					soft, altered	76	512.0	514.0					
508.0	518.2				DUNITE: medium grey, fine grained	77	514.0	516.0					
					moderately to strongly magnetic;	78	516.0	518.0					
					trace to 1% locally 2% intercumulus	79	518.0	520.0					
					sulphide with po > pn	185580	520.0	522.0					
518.2	522.2				DYKES: altered, soft, generally	81	522.0	524.0					
					tan coloured; 5cm to >50cm wide	82	524.0	526.0					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
					with both serpentinized and	185583	526.0	528.0					
					locally silicified(?) wall rock:	185584	528.0	530.0					
						185585	530.0	532.0					
522.2	527.0			1½%	SERPENTINITE: dark grey to								
					black, strongly magnetic, hair line								
					asbestos veins; 1-2% disseminated								
					and intercumulus sulphides rimmed								
					by magnetite:								
527.0	532.2				DUNITE: med. dark grey; fine								
					to medium grained; considerable								
					pervasive serp. alteration;								
					trace to <1% disseminated sulphides								
					532.2m EOH								

DIAMOND DRILL RECORD

153.9m 60°
291.7m 60°
442.6m 62°

HOLE# 03-08

Property Turnagain NTS Map _____ Page 1 of 18

Location Fishing Rock Collar Elev 1030 (not surv.) Core Size BQ Depth 477.3

Date Start June 1 Date Finish June 8/03 Drilled By DJ Drilling Az 202° Dip -60°

DateLogged June 05 Logged By Chris Baldys

DEPTH From	DEPTH To	Rock Code	Mag. Sus. x 10^{-3}	%, Type Sulfides *	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
7.3	19.0			<1	PERIDOTITE - dk. grey, "soothy"	152701	7.3	9.0					
					variety w. abundant black serp., vnlets	152702	9.0	11.0					
					stringers and loc. stockwork.	152703	11.0	13.0					
			68.8		Well fractured, slicken-sided, loc.	152704	13.0	15.0					
			26.7		minor shears: @ 8.8m, 12.4, 17.1	152705	15.0	17.0					
					and 19.0 m; w. talc-serpentine	152706	17.0	19.0					
					Lt. gn - white. Pervasive white serpen-								
					tinization of olivines throughout.								
19.0	30.5		306	1-2	PYROXENITE - grey to dk. grey, fine	152707	19.0	21.0					
			166		grained, massive, selectively ser -	152708	21.0	23.0					
					pentinized in upper part w. minor	152709	23.0	25.0					
					inter-cum. sulphides locally and	152710	25.0	27.0					
			185		disseminated throughout. Locally	152711	27.0	29.0					
					coarse to mega-crystic pyroxenes	152712	29.0	30.5					

* % Sulphide percentages in 03-08 have been estimated and are equivalent of estimates for hole #06 (by CB) minus 15-20% factor

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
30.5	34.7			1-2	PERIDOTITE - dk. grey to black	152713	30.5	32.0					
					transitional to pyroxenite at the	152714	32.0	34.0					
			220		lower part of interval that exhibits	152715	34.0	34.7					
					large crystaline pyroxene-rich sections								
					Massive competent core.								
34.7	40.0			<1	PERIDOTITE - dk. grey - dk. green	152716	34.7	36.0					
					pervasively to selectively serpen -	152717	36.0	38.0					
					tinized - depletion in sulphides	152718	38.0	40.0					
					Minor green dyke @ 15° to c/A @ 37.4-								
					37.8 m. Locally unaltered pyroxene								
					rich - sections. Tect. fractures @ low								
					angle to c/A								
40.0	50.8			2-3	PERIDOTITE - black to locally	152719	40.0	42.0					
				graph. <1	greenish-grey, very fine grained	152720	42.0	44.0					
			237		to aphanitic w. wispy to irregular	152721	44.0	46.0					
					sulphides (locally 7-10% with or	152722	46.0	48.0					
					without graphite). Selective serpen -	152723	48.0	50.0					
					tinization locally with and without	152724	50.0	50.8					

inter - cumulus sulphides

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
50.8	71.0			1-2	PERIDOTITE - as before: fine	152725	50.8	52.0					
						152726	52.0	54.0					
				loc. 5	grained loc. pyroxene-rich, loc. serpen	152727	54.0	56.0					
						152728	56.0	58.0					
			342		tinized / broken - fractured low.	152729	58.0	60.0					
						152730	UMT	-1					
					diss. + inter-cumulus sulphides	152731	60.0	62.0					
						152732	62.0	64.0					
			268		@ 53.7 - 5% sulph. - 5% sec. biotite.	152733	64.0	66.0					
						152734	66.0	68.0					
71.0	93.0			<1-1	PYROXENITE - dk grey, massive,	152735	68.0	70.0					
						152736	70.0	71.0					
					fine to mainly coarse grained	152737	71.0	73.0					
						152738	73.0	75.0					
			106		cut by hairline black serp. vn'lets	152739	75.0	77.0					
						152740	77.0	79.0					
					loc. thick (up to 5 cm widths) w.	152741	79.0	81.0					
					replacement envelopes. Sparsely	152742	81.0	83.0					
					but uniformly distributed sulph.	152743	83.0	85.0					
			46.0		min. w minor local enrichments	152744	85.0	87.0					
					of up to 3% across 10cm sections	152745	87.0	89.0					
			49.6		Highest sulph. (2%) @ 74.2m	152746	89.0	91.0					
						152747	91.0	93.0					
93.0	105.5			3-4	PYROXENITE - as above w. gradu-	152748	93.0	95.0					
			52.9		ally increasing sulph. content w. the	152749	95.0	97.0					
					peak zone of 3-4% → @ 96.3 - 98.8	152750	97.0	99.0					
			0.54	→	(felsic dy? @ 98.8 - 99.5) and @ 99.5 - 101.5	152751	99.0	101.0					

→ @ 40° to c/A. + no sulphides

Shmt -23 ↓

END OF BOO ↓

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
93.0	105.5			3-4	cont. PYROXENITE w. 3-4% sulph.	152752	101.0	103.0					
					disseminated and "bleby" (up to 2mm	152753	103.0	105.0					
			46.4		size aggregates).	152754	105.0	105.5					
						152755	105.5	106.2					
105.5	127.6			1-3	PYROXENITE - as above: fine	152756	106.2	107.0					
					to med. grained w. black serp. vn'lets	152757	107.0	109.0					
					locally and replacements up to 10cm	152758	109.0	111.0					
					thick. Zone starts w. selectively ser-	152759	111.0	113.0					
					pentinized, coarse to megacrystaline	152760	UMT-1						
					section of peridotite? composition	152761	113.0	115.0					
					@ 105.5 - 106.2. Occasionally short	152762	115.0	117.0					
					sections of primary (magmatic)	152763	117.0	119.0					
			135		sulp. enrichments up to 20 cm thick	152764	119.0	121.0					
					(to 7% sulph.) with best @ 114.9-115.9m	152765	121.0	123.0					
					Minor s.siding @ 35° or low ∠ to core axis.	152766	123.0	125.0					
					Fine grained, "dirty" green dyke zone @ 125.2 - 126.0 @ 50° to c/A.	152767	125.0	127.0					
						152768	127.0	127.6					
127.6	134.5			1	MEGACRYST. PYROXENITE -	152769	127.6	129.0					
			64.2		hybrid zone of predominantly	152770	129.0	131.0					
						152771	131.0	133.0					
						152772	133.0	134.5					

pegmatitic ? pyroxenite (late stage crystalization?) Low "interstidial" sulphides.

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
134.5	139.5		156	2-3	PYROXENITE - typical, dk grey,	152773	134.5	136.0					
					fine to med. grained, loc. inter-cum-	152774	136.0	138.0					
					ulus sulphides; in addidion to finely	152775	138.0	139.5					
					disseminated								
139.5	142.0			<1	"BLEACHED" SERPENITINITE ZONE-	152776	139.5	141.0					
					strongly talcose, white to pale green	152777	141.0	142.0					
					serpentine alt. zone - minor shearing								
					& upper contact.								
142.0	151.0			1-2	PERIDOTITE SERPENTINIZED - black	152778	142.0	144.0					
					(stands w. pyroxenite - peridotite tran-	152779	144.0	146.0					
					sidion in upper part). Black - blueish	152780	146.0	148.0					
					serpentine w. abundant slip fracturing	152781	148.0	150.0					
			199		throughout entire interval low % to c/A.	152782	150.0	151.0					
					Loc. increase of sulph. w. selective serpentinization.								
151.0	154.5			trace	PYROXENITE - typical dk. grey	152783	151.0	153.0					
					variety w. abundant black serp.	152784	153.0	154.5					
					veinlet controlled replacements								

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
154.5	161.6			trace	PERIDOTITE SERPENITINIZED -	152785	154.5	156.0					
					black, broken / fractured zone of	152786	156.0	158.0					
					peridotite cut by two short (<20cm)	152787	158.0	160.0					
					dykes: lt. green - fractured.	152788	160.0	161.6					
161.6	197.0			trace	PYROXENITE - grey, competent -	152789	161.6	163.0					
						152790	UMT - 1						
			85.0		massive sections w. very rare fract.	152791	163.0	165.0					
						152792	165.0	167.0					
					fracturing. Minor black serp. veins	152793	167.0	169.0					
						152794	169.0	171.0					
					up to 5cm and veinlets throughout	152795	171.0	173.0					
						152796	173.0	175.0					
			80.8		entire interval.	152797	175.0	177.0					
						152798	177.0	179.0					
						152799	179.0	181.0					
						152800	181.0	183.0					
						152801	183.0	185.0					
						152802	185.0	187.0					
			63.6			152803	187.0	189.0					
						152804	189.0	191.0					
						152805	191.0	193.0					
						152806	193.0	195.0					
						152807	195.0	197.0					
197.0	198.2			NVS	"BLEACHED" ZONE OR DYKE? - lt.	152808	197.0	198.2					
					green to pale gn - white, fine grained								
					(irregular contacts) - fairly hard, felsic?								

↓ NEW TAG Box

NVS - no visible sulphides

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
198.2	218.0			Trace	PYROXENITE - grey to dk.	152809	198.2	200.0					
					grey, transitional to peridotite	152810	200.0	202.0					
			59.2		in lower part. Competent, massive	152811	202.0	204.0					
					core. Minor loc. black serp. veins	152812	204.0	206.0					
					up to 10cm thick in upper part,	152813	206.0	208.0					
					decreasing downhole randomly	152814	208.0	210.0					
					oriented; but seldom at high	152815	210.0	212.0					
			82.0		angle to c/A. Trace? sulphides	152816	212.0	214.0					
						152817	214.0	216.0					
						152818	216.0	218.0					
218.0	226.6			TRACE	PERIDOTITE - dk. grey to	152819	218.0	220.0					
					black w. black serp. stringers and	152820	UMT	-1					
					replacements irregularly scattered.	152821	220.0	222.0					
			134		Selective pale green serpentiniza-	152822	222.0	224.0					
					tion of various intensity trough-	152823	224.0	226.0					
					out lower part of interval	152824	226.0	226.6					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
226.6	230.5			2-3	PERIDOTITE - greenish-grey to	152825	226.6	228.0					
					black, massive w. fair amount of pyrox.	152826	228.0	230.0					
					fractures at 30-60° to c/A	152827	230.0	230.5					
					and lov diss. and wispy sulph.								
					mineralization (pyrrothite); and								
					loc. intercumulus or irregular								
					patchy sulph. w. pentl.? inclusions								
			↑										
230.5	235.6		141	TRACE	PERIDOTITE - softer more serp-rich	152828	230.5	232.0					
			↓		greenish, loc. selectively serpentinized	152829	232.0	234.0					
					tinized by ladest pale-green serp.	152830	234.0	235.6					
					in addition to early black serp.								
					veinlets. Competent, massive core								
235.6	249.0		268	2-3	PERIDOTITE - dk. grey - black	152831	235.6	237.0					
			i.e.	loc. 7 @ 242.3m	gradually more fractured towards	152832	237.0	239.0					
			196		the shear contact below. Wispy	152833	239.0	241.0					
						152834	241.0	243.0					
					to irreg. sulphide concentrations	152835	243.0	245.0					
						152836	245.0	247.0					
					along w. inter-cum. and diss. pyrrothite	152837	247.0	249.0					

NVS - no visible sulphides

→ loc. mixed w. magnetite ie. @ 242.3 m

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
249.0	253.0			1-2	PERIDOTITE SHEARED/SERPENTINIZED	152838	249.0	251.0					
					strongly fractured/brecciated zone	152839	251.0	253.0					
					healed by talcose gouge a. green								
					serpentine								
253.0	254.9		0.78	trace?	"BLEACHED"? DYKE - pale brownish	152840	253.0	254.9					
					grey, sericitic-talcose, NVS.								
254.9	263.8			3-5	SERPENTINITE SHEARED/MAJOR?	152841	254.9	256.0					
				loc. 20	FAULT ZONE at low angle to c/A.	152842	256.0	258.0					
				in 10cm sections	Green-talcose ± serpentine/mica	152843	258.0	260.0					
				pyrr. + 0.1-0.2	gouge in brecciated sections. Loose,	152844	260.0	262.0					
				cpy	indicating latest faulting. Minor local	152845	262.0	263.8					
					sulphide pods with recrystalized?								
					phlogopite @ 260.5m., 261.6m. in								
					max. 10cm sections								
263.8	271.0		494	5-7 0.4 cpy	PERIDOTITE - PYROXENITE intermit-	152846	263.8	265.0					
				loc. 25	tent zone w. one semi-massive sulph.	152847	265.0	267.0					

↳ pod @ 226.5-227.0 w. visible pentl. + chalcopyrite-pyrr. stringers in upper part.

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
cont	271.0			5-7 0.4 cpy	cont. PYROXENITE - PERIDOTITE :	152848	267.0	269.0					
					loc. sec. serpentine greenish or	152849	269.0	271.0					
					white. @ 265.9 : fibrous serpentine	152850	SU-1a						
					invaded by magnetite in 0.5 cm								
					vein.								
271.0	283.0		132	1-3	PYROXENITE - grey med to coarse	152851	271.0	273.0					
					grained loc. fine micaceous variety	152852	273.0	275.0					
					279.0 - 282.0 m ("micro-pegmatitic")	152853	275.0	277.0					
					some black serp. pod replacements	152854	277.0	279.0					
					and pervasive alt. of peridotitic	152855	279.0	281.0					
					section @ 277.5 - 279.0. Minor bleby	152856	281.0	283.0					
			104		and diss. sulphides : pyrrothite,								
283.0	291.0			3-4	PERIDOTITE and minor pyrox. locally	152857	283.0	285.0					
				0.1-0.2 pentl.	black to dk grey w/ black serp. alt.	152858	285.0	287.0					
					Pyrrothite ± pentlandite crystal aggre-	152859	287.0	289.0					
			151		gates up to 1 cm diam. equally	152860	289.0	291.0					
					distributed throughout the interval								

NEW TAG BOOK

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
291.0	308.3			2-3	PYROXENITE - fine to medium	152861	291.0	293.0					
				loc. 5	grained; typical, massive. Minor	152862	293.0	295.0					
			231		black serp. veinlets in upper part	152863	295.0	297.0					
					of the interval. Diss. to inter-cum.	152864	297.0	299.0					
					sulphides w. highest amount @	152865	299.0	301.0					
					306.3 - 306.6 m: 4-5%, 291.6-291.8:	152866	301.0	303.0					
			215		5%.	152867	303.0	305.0					
						152868	305.0	307.0					
						152869	307.0	308.3					
308.3	315.6			2-3	PERIDOTITE - grey to dk. grey	152870	308.3	310.0					
					massive w. minor black serp. veinlets	152871	310.0	312.0					
			287		w. pervasive serpentinization appa-	152872	312.0	314.0					
					rent locally. Bleby to inter-cumu-	152873	314.0	315.6					
					lus sulphides - low content.								
315.6	316.2			NVS	MASSIVE PALE-REDDISH GARNET	152874	315.6	316.2					
					- replacement zone w. irregular								
					serpentinized contacts (dk. green								
					serpentine variety								

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
316.2	337.0			2-3	PERIDOTITE - PYROXENITE : perido-	152875	316.2	318.0					
				loc. 5	tite dominated zone w. up to 1.7	152876	318.0	320.0					
					m pyroxenite phases i.e. @ 326.0 -	152877	320.0	322.0					
					328.7 m. Competent, massive core of	152878	322.0	324.0					
					dk. grey color w. local black serpen-	152879	324.0	326.0					
					tine alt. as replacements along	152880	UM -	4					
					veinlets and veins up to 5cm. thick.	152881	326.0	328.0					
			280	pyrr.	← Sulphides present as irreg. wisps,	152882	328.0	330.0					
					nodules, blebs and disseminations	152883	330.0	332.0					
					Calcite, drusy - open fracture @ 330.9	152884	332.0	334.0					
						152885	334.0	336.0					
						152886	336.0	337.0					
337.0	340.8			2-3	SERPENTINITE - black serpentine	152887	337.0	339.0					
			254	loc. 4	massive replacement zone w. some	152888	339.0	340.8					
					dk. green semi-translucent serp.								
					cementing? shear @ 45-50° to c/A								
					at the upper contact. Wispy, irreg.								
					sulphides in black serp (lower part-4%)								
					partly replaced? by magnetite								
					riming the sulphides (pyrr.)								

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
340.8	357.0			1	PERIDOTITE - black, pervasively	152889	340.8	342.0					
					serpentinized partly pyroxene	152890	342.0	344.0					
			289		dominated, competent, massive	152891	344.0	346.0					
					Minor disseminated-wispy sulphides	152892	346.0	348.0					
					increasing near lower contact w.	152893	348.0	350.0					
					pyroxenite to 2-3% locally	152894	350.0	352.0					
						152895	352.0	354.0					
						152896	354.0	356.0					
						152897	356.0	357.0					
357.0	376.3		241	1-2	PYROXENITE - dk grey-greenish	152898	357.0	359.0					
					(olivine) when whet., softer than	152899	359.0	361.0					
					typical pyroxene dominated variety	152900	361.0	363.0					
					Minor black serp. veinlets w. repla-	152901	363.0	365.0					
					cement envelopes. Minor diss. pyrr,	152902	365.0	367.0					
					locally up to 10 cm sections of	152903	367.0	369.0					
			303		5-7% irreg., bleby pyr. w. ? pentl.	?152904	369.0	371.0					
						152905	371.0	373.0					
						152906	373.0	375.0					
			260			152907	375.0	376.3					

NEW TAG BOOK ↓

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
376.3	383.4		260	1	PERIDOTITE - dk grey	152908	376.3	378.0					
				pyrr.	mottled variedy (due to pervasive	152909	378.0	380.0					
					black serp. alt.) - massive, compe-	152910	UMT	1					
					tent core. Black serpendinization	152911	380.0	382.0					
					reaching 85-90% serp. at lower	152912	382.0	383.4					
					part near contact with garnet zone								
					→ serpentinite section. Minor diss.								
					to bleby sulph. irregularly distibuted								
					near? black serpendinization haloes.								
383.4	386.1			NVS	GARNET - GREEN SERPENTINE -	152913	383.4	385.0					
					CALCITE ZONE : 60% massive con-	152914	385.0	386.1					
		garnet	0.4		tinuous garnet (top: 383.4 - 384.8) and								
		gn. serp.	43		apple gn. serpentine ± calcite veins +								
					talc (at bottom) - well defined lower								
					contact @ 45° to cIA, "Fuzzy" black								
					serp alteration front contact at top.								

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
386.1	406.0			trace	PERIDOTITE - black, mottled	152915	386.1	388.0					
			263		textured due to white serp. alt	152916	388.0	390.0					
					(loc. with fibrous serp. veinlets).	152917	390.0	392.0					
					Black serp. as pervasive alt.	152918	392.0	394.0					
					and some veinlet controlled	152919	394.0	396.0					
					replacements @ 50-65° to c/A	152920	396.0	398.0					
			175		with some light-grey to white	152921	398.0	400.0					
			262		serp. envelopes. Minor to trace	152922	400.0	402.0					
			292		sulphides. Massive, competent core.	152923	402.0	404.0					
						152924	404.0	406.0					
406.0	411.0			2-3	PERIDOTITE - PYROXENITE - fractured	152925	406.0	408.0					
				loc. 5-7	"mosaical" to "pegmatitic" texture	152926	408.0	410.0					
			184	<0.1 pentl.	n. visible mega-crystals of pyroxene	152927	410.0	411.0					
					in serpentinized/fractured zone.								
					Loc. 5-7% pyrr. n. visible pentlan-								
					dite and trace chalcopy.								
					Slip fractures at 15 to 35° to c/A.								

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
411.0	437.2			1-2	PERIDOTITE - dk. grey w. "mottled"	152928	411.0	413.0					
					texture (speckled apperance) due	152929	413.0	415.0					
			237		to selective serpentinization with	152930	415.0	417.0					
					white serpendine a. talc within	152931	417.0	419.0					
					black serpendine "matrix".	152932	419.0	421.0					
			221		Pervasive to veinlet controlled	152933	421.0	423.0					
					black serpentinization guide intense	152934	423.0	425.0					
					except for pyroxenite sections	152935	425.0	427.0					
			207		locally. Low, randomly distributed	152936	427.0	429.0					
					diss. sulphides (pyrrothite), locally	152937	429.0	431.0					
					very scarse secondary phyrrotite ±	152938	431.0	433.0					
			241		chalcopyrite veinlets or pyrr. wispy	152939	433.0	435.0					
					blebs i.e. @ 433.2 m. or mixed	152940	UMT - 1						
					w. magnetite as latest magnetite-sulph. veinlets; or replacements in pyrox. @429.5-431.0								
						152941	435.0	437.2					
437.2	445.6			5-7	SERPENTINITE-PERIDOTITE-	152942	437.2	439.0					
					SHEARED / MINERALIZED -	152943	439.0	441.0					
			370		strongly fractured loc. brecciated	152944	441.0	443.0					
					zone of green to dk green-black	152945	443.0	445.0					

± with or without

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
cont.	445.6		182	5-7	cont. SERPENTINITE - MINERALIZED	152946	445.0	445.6					
				loc. 15-20	... serpentine intermixed w. contorted								
				0.2 cpy <0.1 pentl.	fibrous serp. and spotty-irregular								
					(loc. semi-massive, 5 cm) pyrrhotite								
					± chalcopyrite often mixed w.								
					magnetite.								
445.6	462.1			3-5	PERIDOTITE - mottled textured,	152947	445.6	447.0					
				<0.1 cpy <0.1 pentl.	in lower part; loc. pyroxenite-rich	152948	447.0	449.0					
					@ 445.6-449.0 and dk grey.	152949	449.0	451.0					
			241		Bleby do irregular patches and	152950	451.0	453.0					
					veinlets of primary and secondary	152951	453.0	455.0					
					sulphides w. magnetite and locally	152952	455.0	457.0					
			244		minor chalcopyrite. Slip fractures	152953	457.0	459.0					
					not common but uniformly @	152954	459.0	461.0					
					15-30° to c/A. Carbonate 15cm	152955	461.0	462.1					
					cemented fracture @ 461.4m @								
					20° to c/A. Pyrrhotite often								
					rimmed by magnetite; or intermixed with it.								

HOLE# 03-08

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
462.1	477.3		250	1-2	PERIDOTITE - predominately black,	152956	462.1	464.0					
					serpentinized, mottled textured	152957	464.0	466.0					
					as above w. minor fibrous serp.	152958	466.0	468.0					
					veinlets and one local zone	152959	468.0	470.0					
					of green serpentine @ 478.6 -	152960	470.0	472.0					
			234		479.2 (without magnetite - in other-	152961	472.0	474.0					
					wise strongly magnetic black,	152962	474.0	476.0					
			301		serpentinized PERIDOTITE).	152963	476.0	477.3					
					Green serpentine as gradual replacement								
					of black serpentine in peridotite								
					producing 100% serp. zone without								
					apparent structural control.								
					EOH (477.3m)								

DIAMOND DRILL RECORD

HOLE# 03-09

Property Turnagain NTS Map _____ Page 1 of 10

Location Fishing Rock Area Collar Elev. 1030 (not surv.) Core Size BQ Depth 252.1

Date Start Jun. 8 Date Finish Jun. 11/03 Drilled By DJ Drilling Az 202° Dip -85°

DateLogged June 03 Logged By C.B.

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
6.1	23.5			<1	PERIDOTITE - grey, dk. grey, olivine	152964	6.1	8.0					
					rich - unaltered (loc. "soothy" appe-	152965	8.0	10.0					
					rance, fine to med. grained. Black	152966	10.0	12.0					
					serp. crackle veinlets and pods @	152967	12.0	14.0					
					6.1 to 13.0. Dk greenish partly	152968	14.0	16.0					
					serpentinized ± talcose (weakly) @	152969	16.0	18.0					
					13.0 - 15.9. Loc. weak shears: @ 17.3 -	152970	UMT	1		0.14%			
					[illegible], 19.8 - 20.0.	152971	18.0	20.0					
						152972	20.0	22.0					
23.5	26.4			<1	PERIDOTITE SHEARED - strongly	152973	22.0	23.5					
			LOW CORE REC.		fractured w. minor ?talcose-chrysotile	152974	23.5	25.0					
					gouge & slip zones throughout.	152975	25.0	26.4					
26.4	41.9			<1	PYROXENITE - dk. grey, med. to	152976	26.4	28.0					
				loc 3	fine grained, massive - competent core	152977	28.0	30.0					
					zone w. two minor green-diacidic?	152978	30.0	32.0					
					dykes (chloritized - serpentinized) @	152979	32.0	34.0					

28.9 - 29.1 and 29.5 - 29.7, Loc. sulphide accumulating near serpentinized dyke margins.

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
cont.	41.9			<1	cont. PYROXENITE - loc. minor hairline	152980	34.0	36.0					
					black. serp. veinlets and two zones	152981	36.0	38.0					
					of mica-pyroxene, micro-pegmatitic	152982	38.0	40.0					
					veins 5-10cm wide @ 25° to c/A	152983	40.0	41.9					
					(28.0-28.1m) and 5° to c/A (31.5-31.8m)								
					Loc. pervasive black serp. weak to								
					moderate.								
41.9	63.0			2-3	PERIDOTITE - black, fine grained	152984	41.9	43.0					
				loc. 4	in upper part becoming coarser	152985	43.0	45.0					
					downhole towards transitional contact	152986	45.0	47.0					
					with pyroxenite. Black color due to	152987	47.0	49.0					
					pervasive black serpentinization, +	152988	49.0	51.0					
					fracturing @ low angle to c/A along	152989	51.0	53.0					
					black serp veins. Local sulphide	152990	53.0	55.0					
					accumulations from blebs to "nests"	152991	55.0	57.0					
					of up to 4cm diameter. Highest	152992	57.0	59.0					
					sulph (semi-continuous) @ 67.5-68.0	152993	59.0	61.0					
					disseminated + loc. net tex.	152994	61.0	63.0					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
63.0	79.9			< 1	PERIDOTITE SHEARED - strong	152995	63.0	65.0					
					fracture zone w. minor fault	152996	65.0	67.0					
					brecciation re-cemented by latest	152997	67.0	69.0					
					greenish serp and white serp (chrysotile)	152998	69.0	71.0					
					some minor talc ± carbonate in open	152999	71.0	73.0					
					fractured. Mainly black-serpentinized	153000	UMT	-1	0	14%			
					fine gr. peridotite w. depleted sulph.	200201	73.0	75.0					
					Faulting appears @ 30-35° to c/A	200202	75.0	77.0					
						200203	77.0	79.0					
79.9	90.0			1-2	PYROXENITE - PERIDOTITE -	200204	79.0	79.9					
				loc. 5	intermittent, pyroxenite dominated	200205	79.9	81.0					
					zone w. lesser black peridotite w.	200206	81.0	83.0					
					coincident sulphide accumulations	200207	83.0	85.0					
					(redistributed to the margins of black	200208	85.0	87.0					
					serpentinite replacements). Mono-	200209	87.0	89.0					
					tonous otherwise, massive, low grade	200210	89.0	90.0					
					zone.								

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
90.0	101.8			3-4	PYROXENITE - grey, medium grained	200211	90.0	92.0					
				loc. 30	locally hairline black serp. veinlets	200212	92.0	94.0					
				pyrr.	or large replacement veins/pods	200213	94.0	96.0					
					up to 30cm in lenght. Secondary	200214	96.0	98.0					
					(post-black serp.) pyrr. veinlets and	200215	98.0	100.0					
					pyrrodtite · magnedite semi-massive	200216	100.0	101.8					
					replacements w. phlogopite and								
					serpendine @ 100.0 - 100.3 and @								
					101.1 - 101.2 m. Blebs and dissemina-								
					tions of pyrr. throughout the whole								
					interval w. no significant sulphide min.								
101.8	116.4			1-3	PYROXENITE - grey, fine grained	200217	101.8	103.0					
				loc. 5 pyrr	except for 108.4 - 109.0 section of	200218	103.0	105.0					
					mega-crysdic pyroxenite (pegmatitic?)	200219	105.0	107.0					
					Massive, monodonous low grade zone	200220	107.0	109.0					
					except for localized irreg. sulph cumulates	200221	109.0	111.0					
					w. visible pentlandite i.e. @ 108.1m,	200222	111.0	113.0					
					115.6 m.	200223	113.0	115.0					
						200224	115.0	116.4					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
116.4	135.5			2-4	PYROXENITE - grey, "mosaical"	200225	116.4	118.0					
				pyrr.	apperance, mega-crystaline, pegma-	200226	118.0	120.0					
					titic? section. Distinct due to size	200227	120.0	122.0					
					of pyroxene crysdals up to 2cm.	200228	122.0	124.0					
					in diam. Coincides with slight	200229	124.0	126.0					
					increase of avg. sulphide content	200230	UMT-1		0.14%				
					and more regularly distributed	200231	126.0	128.0					
					than in the zone above. Conspicuous	200232	128.0	130.0					
					fine grained, "micropegmatitic"	200233	130.0	132.0					
					zone of micaceous pyroxenite	200234	132.0	134.0					
					@ 118.5 - 121.5 w. very finely diss.	200235	134.0	136.0					
					pyrrothite. 4% sulph: 131.2 - 135.5								
135.	168.2			1	PYROXENITE - grey to dk. grey								
				loc 3 pyrr.	medium to coarse grained, massive,	200236	136.0	138.0					
					competent core. Very homogenous	200237	138.0	140.0					
					unaltered except local zones of	200238	140.0	142.0					
					black serp. replacement pods and	200239	142.0	144.0					
					veins w. associated increase in sulph.	200240	144.0	146.0					

i.e. @ 142.7 - 143.0. Primary cumulates only @ 141.1m.

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
cont.	168.2			1	PYROXENITE - cont. massive	200241	146.0	148.0					
				loc. 3 pyrr.	pyroxenide w. very low diss. and	200242	148.0	150.0					
					bleby sulphides locally.	200243	150.0	152.0					
						200244	152.0	154.0					
						200245	154.0	156.0					
						200246	156.0	158.0					
						200247	158.0	160.0					
						200248	160.0	162.0					
						200249	162.0	164.0					
						200250	164.0	166.0					
						178801	166.0	167.0					
						178802	167.0	168.2					
168.2	182.8			<1	PYROXENITE - lt. grey to grey	178803	168.2	169.0					
					fine to loc. medium grained, massi	178804	169.0	171.0					
					competent core. Abundant hairline	178805	171.0	173.0					
					black serp. veinlets and loc. larger	178806	173.0	175.0					
					veins up to 10 cm wide. Very low	178807	175.0	177.0					
					diss sulphides	178808	177.0	179.0					
						178809	179.0	181.0					
						178810	LIMIT	1		.14%			
						178811	181.0	182.8					

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
168.2	197.8			1	PERIDOTITE - very fine to crypto	178812	182.8	184.0					
					crystaline, massive black to dk grey	178813	184.0	186.0					
					peridotite Competent core w.	178814	186.0	188.0					
					black serp. veinlets throughout	178815	188.0	190.0					
					whole interval predominately at	178816	190.0	192.0					
					low angle to core axis. Minor zone	178817	192.0	194.0					
					of pegmatitic, mega-crystaline	178818	194.0	196.0					
					pyrox. @ 190.3 - 191.5m. Very fine	178819	196.0	197.4					
					diss pyrrothite Likely associated								
					w. pervasive black serpentinization								
					of weak to moderate intensity.								
197.4	199.0			NVS	FELSIC ? DYKE - brownish-greenish	178820	197.4	199.0					
					grey, porphyritic w. upper contact								
					along green serp.-talcose slip								
					fracture.								
199.0	205.7			<1	PERIDOTITE SHEARED/SERPENTI-	178821	199.0	201.0					
					NIZED - strongly slip fractured	178822	201.0	203.0					

NVS - no visible sulphides.

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
Cont.	205.7			<1	cont PERIDOTITE - ..... black peri-	178823	203.0	205.0					
					dotite with local zones of ladest	178824	205.0	205.7					
					green to fibrous serpentine w.								
					depleted magnetite content @ 205.0 -								
					- 205.7. Minor fault indicated by								
					abundand slip fractures at low								
					to 0° angle to core axis.								
205.7	221.9			<1	PYROXENITE - grey, massive, fine to	178825	205.7	207.0					
					med. grained, with conspicuous	178826	207.0	209.0					
					black serp. veins up to 5cm thic	178827	209.0	211.0					
					at right angle to c/A (contrasting	178828	211.0	213.0					
					with low angles to c/A in the zone	178829	213.0	215.0					
					above)	178830	215.0	217.0					
						178831	217.0	219.0					
						178832	219.0	221.0					
						178833	221.0	221.9					
221.9	223.6			<1	PYROXENITE SERPENTINIZED -	178834	221.9	223.0					
					pervasively serpentinized pyrox. resul-	178835	223.0	223.6					
					ting in 60% black serp. replacement								
					zone (multiple veins + envelopes)								

at 40° to c/A.

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
223.6	242.8				PYROXENITIE - PERIDOTITIE - lt. grey	178836	223.6	225.0					
					grey zone dominated by pyroxe-	178837	225.0	227.0					
					nite (80%) with local minor pe-	178838	227.0	229.0					
					ridotite (gradational to pyrox. rich	178839	229.0	231.0					
					variety). Strong vein controlled	178840	UMT	-1					
					black serp. alteration. Veins mainly	178841	231.0	233.0					
					at low: 10 - 30° to c/A up to	178842	233.0	235.0					
					5 cm. thick. Abundant hairline	178843	235.0	237.0					
					veinlets (crackle texture apperance)	178844	237.0	239.0					
					Ledest blueish fracture fillings	178845	239.0	241.0					
					by fibrous serp. variety (blueish -	178846	241.0	242.8					
					black or white chrysotile occasionaly)								
242.8	244.7			NVS	FELSIC? DYKE - brown-greenish	178847	242.8	244.0					
					porphyritic w. talcose fractures at	178848	244.0	244.7					
					lower contact.								
244.7	252.1			CI	PYROXENITE FRACTURED - loc.	178849	244.7	246.0					
						178850	246.0	248.0					
					serpendinized along crackle text.	45751	248.0	250.0					
						45752	250.0	252.1					

veinlet system. Two fracture directions: 40-50° to c/A and 5° to c/A.
Green polished antigorite on fractures Locally.

DEPTH From	DEPTH To	Rock Code	Mag. Sus.	%, Type Sulfides	DESCRIPTION	SAMPLE #	From	To	Width	Ni	Co	Cu	Pt + Pd
cont	252.1				PYROXENITE FRACTURED, cut								
					by two minor dykes: @ 248.6-								
					248.9 (dacite? bleached, serpentinized?)								
					@ 251.0 - 251.6 felsic? porphyry,								
					lt grey-brown weakly bleached:								
					(saussericite? sericite).								
					EOH 252.1m								

APPENDIX C

		HOLE ID		N		E		ELEV		
		DH 03-02		6481656		508117.1		1230.00		
2345678	2345678	2345678	2345678	2345678	2345678	2345678	2345678	2345678		
	DEPTH		AZIMUTH	DIP						
0.0	532.2		225.0	-45.0						
FROM	TO	SAMPLE	Cu %	Ni %	Co %	Pt** ppb	Pd** ppb	Pt+Pd	Au ppb	S_ ICP-MS
4	6	A 185322	< .001	0.233	0.012	14	11	25		0.06
6	8	A 185323	0.001	0.257	0.012	31	29	60		0.001
8	10	A 185324	0.002	0.267	0.011	21	17	38		0.06
10	12	A 185325	0.006	0.259	0.010	11	11	22		0.09
12	14	A 185326	0.043	0.296	0.014	70	89	159	3	0.12
14	16	A 185327	0.066	0.300	0.015	69	102	171	3	0.2
16	18	A 185328	0.057	0.223	0.016	28	30	58		0.17
18	20	A 185329	0.027	0.210	0.013	28	33	61		0.1
20	22	A 185330	0.015	0.217	0.014	12	10	22		0.08
22	24	A 185331	0.023	0.262	0.014	31	31	62		0.12
24	26	A 185332	0.030	0.232	0.012	11	12	23		0.1
26	28	A 185333	0.007	0.230	0.012	21	21	42		0.14
28	30	A 185334	0.007	0.219	0.011	23	22	45	2	0.14
30	32	A 185335	0.008	0.184	0.013	19	18	37		0.13
32	34	A 185336	0.014	0.187	0.012	17	20	37		0.12
34	36	A 185337	0.001	0.206	0.013	2	3	5		0.001
36	38	A 185338	0.002	0.206	0.013	2		2		0.001
38	40	A 185339	0.007	0.216	0.013	15	15	30		0.001
40	42	A 185340	0.010	0.228	0.013	16	18	34		0.001
42	44	A 185341	0.021	0.226	0.014	28	26	54		0.001
44	46	A 185342	0.035	0.224	0.014	22	24	46	2	0.1
46	48	A 185343	0.014	0.172	0.012	16	17	33		0.001
48	50	A 185344	0.012	0.175	0.013	24	29	53		0.001
50	52	A 185345	0.039	0.229	0.014	35	35	70	5	0.14
52	54	A 185346	0.039	0.238	0.014	47	48	95	5	0.18
54	56	A 185347	0.024	0.222	0.013	38	35	73		0.15
56	58	A 185348	0.026	0.230	0.015	46	48	94	3	0.24
58	60	A 185349	0.021	0.238	0.015	18	18	36		0.32
60	62	A 185350	0.021	0.182	0.011	34	39	73		0.28
62	64	A 185351	0.023	0.267	0.015	42	43	85		0.26
64	66	A 185352	0.016	0.197	0.014	26	22	48	3	0.15
66	68	A 185353	0.022	0.186	0.016	23	20	43		0.41
68	70	A 185354	0.015	0.173	0.014	16	18	34		0.26
70	72	A 185355	0.021	0.193	0.015	10	11	21		0.46
72	74	A 185356	0.026	0.223	0.015	19	23	42		0.4
74	76	A 185357	0.024	0.167	0.014	29	27	56	3	0.21
76	78	A 185358	0.010	0.223	0.015	12	12	24		0.18
78	80	A 185359	0.004	0.203	0.013	6	6	12		0.07
80	82	A 185360	0.007	0.192	0.014	2	2	4		0.08
82	84	A 185361	0.011	0.189	0.013	13	16	29		0.15
84	86	A 185362	0.056	0.273	0.016	64	67	131	2	0.3
86	88	A 185363	0.028	0.238	0.014	44	42	86		0.15
88	90	A 185364	0.031	0.186	0.015	157	111	268	2	0.32
90	92	A 185365	0.016	0.219	0.015	262	207	469	2	0.18
92	94	A 185366	0.009	0.222	0.014	238	212	450	4	0.16
94	96	A 185367	0.031	0.276	0.017	272	168	440		0.21
96	98	A 185368	0.019	0.281	0.015	224	154	378	2	0.22
98	100	A 185369	0.024	0.211	0.015	95	73	168		0.48
100	102	A 185370	0.015	0.204	0.012	20	14	34		0.28

FROM	TO	SAMPLE	Cu %	Ni %	Co %	Pt** ppb	Pd** ppb	Pt+Pd	Au ppb	S_ ICP-MS
102	104	A 185371	< .001	0.261	0.011			0		0.001
104	106	A 185372	< .001	0.251	0.011			0		0.001
106	108	A 185373	< .001	0.244	0.011	2		2		0.001
108	110	A 185374	< .001	0.233	0.011		2	2		0.001
110	112	A 185375	< .001	0.254	0.011			0		0.001
112	114	A 185376	< .001	0.246	0.011			0		0.001
114	116	A 185377	< .001	0.221	0.010			0		0.001
116	118	A 185378	< .001	0.232	0.011			0		0.001
118	120	A 185379	< .001	0.231	0.011			0		0.001
120	122	A 185380	< .001	0.239	0.011	14	11	25		0.001
122	124	A 185381	< .001	0.242	0.011	16	15	31		0.001
124	126	A 185382	< .001	0.235	0.011	5	3	8		0.001
126	128	A 185383	< .001	0.245	0.011	6		6		0.001
128	130	A 185384	< .001	0.234	0.011			0		0.001
130	132	A 185385	< .001	0.259	0.012	3		3		0.07
140	142	A 185390	< .001	0.247	0.010	3	4	7		0.06
150	152	A 185395	< .001	0.279	0.011			0		0.001
160	162	A 185400	< .001	0.265	0.012			0		0.001
170	172	A 185405	< .001	0.255	0.011			0		0.001
180	182	A 185410	< .001	0.268	0.011			0		0.001
190	192	A 185415	< .001	0.263	0.011	2		2		0.001
200	202	A 185420	< .001	0.232	0.010			0		0.001
210	212	A 185425	< .001	0.252	0.011	4	5	9		0.001
220	222	A 185430	< .001	0.263	0.010			0	2	0.001
230	232	A 185435	0.002	0.204	0.010	4	3	7		0.09
240	242	A 185440	< .001	0.264	0.012	9	4	13	2	0.12
250	252	A 185445	< .001	0.258	0.011			0		0.08
260	262	A 185450	0.001	0.289	0.012			0	2	0.07
270	272	A 185455	0.005	0.375	0.013	39	33	72	4	0.09
280	282	A 185460	< .001	0.266	0.011	2		2		0.001
290	292	A 185465	< .001	0.263	0.011	3	2	5		0.1
300	302	A 185470	0.001	0.267	0.012			0		0.001
310	312	A 185475	0.001	0.264	0.012	8	9	17		0.12
320	322	A 185480	0.065	0.43	0.018	38	46	84	3	0.3
322	324	A 185481	0.055	0.417	0.017	87	78	165	7	0.18
324	326	A 185482	0.039	0.382	0.016	86	54	140	5	0.14
326	328	A 185483	0.002	0.203	0.01	7	12	19		0.11
328	330	A 185484	0.004	0.36	0.014	21	19	40		0.17
330	332	A 185485	0.012	0.25	0.011	32	27	59		0.12
332	334	A 185486	0.001	0.277	0.011			0		0.12
334	336	A 185487	0.002	0.362	0.011	3		3		0.13
336	338	A 185488	< .001	0.267	0.011	4		4		0.1
338	340	A 185489	< .001	0.256	0.011			0		0.12
340	342	A 185490	0.001	0.264	0.012			0		0.08
342	344	A 185491	0.001	0.26	0.011			0		0.1
344	346	A 185492	0.001	0.245	0.01			0		0.12
346	348	A 185493	0.001	0.271	0.012			0		0.06
348	350	A 185494	< .001	0.261	0.011			0		0.09
350	352	A 185495	0.001	0.265	0.011			0		0.09
352	354	A 185496	0.001	0.242	0.01			0		0.16
354	356	A 185497	0.003	0.211	0.009			0		0.13
356	358	A 185498	0.001	0.268	0.011			0		0.06
358	360	A 185499	0.006	0.24	0.01			0		0.11
360	362	A 185500	< .001	0.26	0.011		2	2	2	0.09

FROM	TO	SAMPLE	Cu %	Ni %	Co %	Pt** ppb	Pd** ppb	Pt+Pd	Au ppb	S_ ICP-MS
362	364	A 185501	0.001	0.265	0.011		2	2		0.11
364	366	A 185502	0.002	0.265	0.011	3	2	5		0.09
366	368	A 185503	0.003	0.219	0.009			0		0.06
368	370	A 185504	0.001	0.267	0.011		2	2	4	0.06
370	372	A 185505	0.001	0.237	0.01			0	9	0.09
372	374	A 185506	0.001	0.263	0.012		3	3		0.06
374	376	A 185507	0.001	0.244	0.011			0		0.09
376	378	A 185508	< .001	0.269	0.012			0	4	0.001
378	380	A 185509	0.001	0.254	0.012			0	4	0.001
380	382	A 185510A	0.001	0.255	0.011			0		0.07
382	384	A 185511	0.001	0.233	0.011	6	8	14		0.06
384	386	A 185512	0.001	0.242	0.011			0	2	0.06
386	388	A 185513	0.001	0.267	0.011		4	4		0.001
388	390	A 185514	0.002	0.232	0.01			0		0.09
390	392	A 185515	0.002	0.228	0.011			0	4	0.08
392	394	A 185516	0.002	0.214	0.01		2	2		0.001
394	396	A 185517	0.005	0.174	0.008			0	3	0.001
396	398	A 185518	0.02	0.222	0.013	35	41	76	9	0.06
398	400	A 185519	0.013	0.221	0.013	15	18	33	4	0.001
400	402	A 185520	0.003	0.269	0.014	13	28	41	5	0.001
402	404	A 185521	0.052	0.229	0.011			0	5	0.001
404	406	A 185522	0.002	0.266	0.012			0		0.001
406	408	A 185523	0.03	0.408	0.013	277	164	441	21	0.13
408	410	A 185524	0.015	0.308	0.013	30	39	69	4	0.14
410	412	A 185525	0.008	0.269	0.012	37	37	74	4	0.001
412	414	A 185526	0.005	0.246	0.012			0	3	0.001
414	416	A 185527	0.007	0.278	0.014	10	11	21		0.001
416	418	A 185528	0.013	0.264	0.012	12	15	27	4	0.001
418	420	A 185529	0.021	0.294	0.013	22	23	45	3	0.06
420	422	A 185530	0.033	0.313	0.013	14	23	37	2	0.09
422	424	A 185531	0.013	0.279	0.015	5	6	11	4	0.001
424	426	A 185532	0.045	0.298	0.016	15	18	33	3	0.07
426	428	A 185533	0.088	0.344	0.017	51	63	114	12	0.13
428	430	A 185534	0.016	0.253	0.015	13	14	27	5	0.001
430	432	A 185535	0.033	0.221	0.012	17	25	42	3	0.11
432	434	A 185536	0.048	0.277	0.015	31	31	62	3	0.08
434	436	A 185537	0.039	0.236	0.013	10	10	20	3	0.001
436	438	A 185538	0.01	0.273	0.014	31	41	72	3	0.001
438	440	A 185539	0.029	0.247	0.013	6	9	15	5	0.001
440	442	A 185540A	0.016	0.207	0.01	39	38	77	3	0.09
442	444	A 185541	0.049	0.153	0.008	19	18	37	7	0.13
444	446	A 185542	0.016	0.332	0.017	156	168	324	9	0.22
446	448	A 185543	0.041	0.34	0.016	280	214	494	5	0.19
448	450	A 185544	0.051	0.223	0.012	25	25	50	3	0.14
450	452	A 185545	0.027	0.249	0.013	25	27	52	5	0.09
452	454	A 185546	0.044	0.331	0.015	28	34	62	7	0.11
454	456	A 185547	0.089	0.364	0.015	81	100	181	8	0.27
456	458	A 185548	0.015	0.207	0.012	17	21	38	3	0.001
458	460	185549	0.036	0.229	0.012	14	16	30	9	0.13
460	462	185550	0.045	0.264	0.014	18	22	40	15	0.19
462	464	185551	0.051	0.265	0.017	12	19	31	5	0.28
464	466	185552	0.028	0.197	0.014	7	9	16	9	0.18
466	468	185553	0.034	0.221	0.014	11	10	21	57	0.26
468	470	185554	0.033	0.21	0.015	15	20	35	8	0.32

FROM	TO	SAMPLE	Cu %	Ni %	Co %	Pt** ppb	Pd** ppb	Pt+Pd	Au ppb	S_ ICP-MS
470	472	185555	0.03	0.168	0.015	12	15	27	3	0.39
472	474	185556	0.02	0.124	0.014	11	14	25	5	0.34
474	476	185557	0.023	0.164	0.014	17	20	37	3	0.34
476	478	185558	0.026	0.211	0.015	16	20	36	7	0.38
478	480	185559	0.029	0.26	0.015	18	24	42	5	0.41
480	482	185560	0.022	0.16	0.017	7	9	16	5	0.4
482	484	185561	0.022	0.171	0.018	17	20	37	0.001	0.32
484	486	185562	0.034	0.226	0.018	27	31	58	19	0.3
486	488	185563	0.02	0.371	0.013	82	110	192	6	0.19
488	490	185564	0.012	0.23	0.011	29	32	61	2	0.13
490	492	185565	0.008	0.237	0.011	2	2	4	0.001	0.11
492	494	185566	0.002	0.262	0.012	0.001	0.001	0.002	0.001	0.001
494	496	185567	0.002	0.23	0.01	0.001	0.001	0.002	0.001	0.001
496	498	185568	0.003	0.238	0.01	0.001	0.001	0.002	0.001	0.001
498	500	185569	0.001	0.259	0.012	0.001	0.001	0.002	0.001	0.07
500	502	185570	0.007	0.213	0.01	0.001	2	2.001	0.001	0.12
502	504	185571	0.004	0.236	0.01	10	11	21	0.001	0.18
504	506	185572	0.037	0.251	0.014	9	11	20	3	0.27
506	508	185573	0.034	0.228	0.015	12	8	20	2	0.3
508	510	185574	0.012	0.219	0.015	7	10	17	3	0.33
510	512	185575	0.013	0.216	0.013	9	11	20	3	0.31
512	514	185576	0.011	0.189	0.011	8	10	18	0.001	0.31
514	516	185577	0.01	0.226	0.012	10	16	26	3	0.33
516	518	185578	0.007	0.239	0.012	7	9	16	0.001	0.23
518	520	185579	0.011	0.125	0.007	4	4	8	2	0.16
520	522	185580	0.02	0.108	0.008	5	4	9	0.001	0.13
522	524	185581	0.02	0.154	0.012	26	30	56	0.001	0.14
524	526	185582	0.02	0.136	0.012	9	9	18	0.001	0.1
526	528	185583	0.016	0.214	0.016	31	29	60	2	0.11
528	530	185584	0.004	0.194	0.013	12	11	23	0.001	0.1
530	532.2	185585	0.009	0.235	0.013	48	51	99	0.001	0.12

		HOLE ID		N		E		ELEV		
		DH 03-08		6481507		509445.8		1033.00		
2345678	2345678	2345678	2345678	2345678	2345678	2345678	2345678	2345678		
	DEPTH		AZIMUTH	DIP						
0.0	477.3		200.0	-60.0						
FROM	TO	SAMPLE	Cu %	Ni %	Co %	Pt** ppb	Pd** ppb	Pt+Pd	Au ppb	S_ ICP-MS
7.3	9	C 152701	0.004	0.230	0.011	4	2	6		0.08
9	11	C 152702	0.004	0.254	0.011		2	2		0.14
11	13	C 152703	0.004	0.246	0.012			0		0.001
13	15	C 152704	0.001	0.264	0.013	12	6	18		0.001
15	17	C 152705	0.001	0.254	0.012	2	3	5	2	0.14
17	19	C 152706	0.001	0.229	0.013	2	3	5	82	0.24
19	21	C 152707	0.024	0.147	0.013	8	10	18	10	0.67
21	23	C 152708	0.013	0.214	0.014	14	17	31	52	0.21
23	25	C 152709	0.009	0.220	0.012	12	14	26	4	0.21
25	27	C 152710	0.010	0.132	0.010	7	8	15	13	0.4
27	29	C 152711	0.020	0.122	0.010	2	4	6	5	0.72
29	30.5	C 152712	0.005	0.124	0.009			0		0.12
30.5	32	C 152713	0.003	0.180	0.011	3	2	5		0.11
32	34	C 152714	0.008	0.166	0.011	6	5	11	15	0.28
34	34.7	C 152715	0.016	0.162	0.009	60	55	115	3	0.53
34.7	36	C 152716	0.012	0.100	0.008	5	7	12	4	0.31
36	38	C 152717	0.012	0.102	0.008	5	7	12		0.29
38	40	C 152718	0.003	0.135	0.007	3	2	5	4	0.001
40	42	C 152719	0.011	0.115	0.011	2	3	5		0.57
42	44	C 152720	0.011	0.097	0.009	2	2	4		0.48
44	46	C 152721	0.015	0.114	0.010	2	3	5		0.58
46	48	C 152722	0.015	0.094	0.010	2	2	4		0.47
48	50	C 152723	0.012	0.103	0.009	3	4	7		0.38
50	50.8	C 152724	0.007	0.135	0.008	2	2	4	< 2	0.11
50.8	52.8	C 152725	0.009	0.153	0.009	4	3	7	21	0.69
52.8	54.8	C 152726	0.010	0.168	0.010	7	7	14	4	
54.8	56.8	C 152727	0.008	0.191	0.011	5	3	8	2	0.37
56.8	58.8	C 152728	0.014	0.140	0.009	5	5	10		0.69
58.8	60.8	C 152729	0.017	0.137	0.011	24	5	29	2	0.83
60.8	62.8	C 152731	0.009	0.128	0.008	4	4	8		0.42
62.8	64.8	C 152732	0.005	0.149	0.009	3	2	5	17	0.26
64.8	66.8	C 152733	0.009	0.149	0.009	3	4	7	3	0.42
66.8	68.8	C 152734	0.010	0.153	0.010	3	3	6	6	0.49
68.8	70.8	C 152735	0.016	0.179	0.012	6	10	16	4	0.76
70.8	71	C 152736	0.011	0.183	0.011	7	8	15	8	0.56
71	73	C 152737	0.007	0.153	0.009	6	8	14	2	0.37
73	75	C 152738	0.015	0.119	0.009	4	5	9		0.63
75	77	C 152739	0.019	0.103	0.010	3	3	6		0.67
77	79	C 152740	0.039	0.100	0.009	12	10	22		0.49
79	81	C 152741	0.046	0.196	0.010	26	31	57	5	0.22
81	83	C 152742	0.035	0.226	0.012	36	47	83	6	0.18
83	85	C 152743	0.010	0.167	0.011	29	30	59	2	0.001
85	87	C 152744	0.006	0.162	0.011	13	18	31		0.001
87	89	C 152745	0.005	0.159	0.010	23	25	48		0.06
89	91	C 152746	0.013	0.147	0.013	12	9	21		0.14
91	93	C 152747	0.015	0.161	0.014	32	37	69	2	0.14
93	95	C 152748	0.057	0.221	0.017	24	16	40	4	0.61
95	97	C 152749	0.121	0.311	0.021	30	33	63	4	0.93
97	99	C 152750	0.151	0.295	0.018	14	13	27	7	0.99

FROM	TO	SAMPLE	Cu %	Ni %	Co %	Pt** ppb	Pd** ppb	Pt+Pd	Au ppb	S_ ICP-MS
99	101	C 152751	0.167	0.226	0.014	9	10	19	15	0.83
101	103	C 152752	0.136	0.287	0.019	24	24	48	12	0.8
103	105	C 152753	0.066	0.202	0.016	24	24	48	6	0.44
105	105.5	C 152754	0.046	0.223	0.016	38	41	79	5	0.37
105.5	106.2	C 152755	0.021	0.169	0.010	16	16	32	3	0.21
106.2	107	C 152756	0.030	0.152	0.011	31	28	59	8	0.25
107	109	C 152757	0.025	0.193	0.014	16	13	29	4	0.16
109	111	C 152758	0.068	0.259	0.015	19	21	40	6	0.48
111	113	C 152759	0.044	0.216	0.014	9	10	19	4	0.43
113	115	C 152761	0.104	0.151	0.017	5	5	10	5	0.65
115	117	C 152762	0.034	0.200	0.017	7	8	15		0.75
117	119	C 152763	0.030	0.194	0.014	7	8	15		0.57
119	121	C 152764	0.014	0.159	0.013	5	5	10		0.42
121	123	C 152765	0.014	0.131	0.012	3	3	6		0.5
123	125	C 152766	0.033	0.142	0.016	2	4	6		1.17
125	127	C 152767	0.004	0.102	0.010	7	8	15		0.15
127	127.6	C 152768	0.003	0.135	0.012	5	6	11		0.15
127.6	129	C 152769	0.005	0.061	0.005	14	12	26	206	0.15
129	131	C 152770	0.005	0.074	0.006	5	4	9		0.19
131	133	C 152771	0.005	0.037	0.003	2	2	4		0.09
133	134.5	C 152772	0.004	0.097	0.007	4	5	9		0.25
134.5	136	C 152773	0.012	0.150	0.012	13	16	29		0.45
136	138	C 152774	0.025	0.157	0.014	12	12	24		1.12
138	139.5	C 152775	0.024	0.157	0.013	6	11	17	6	0.93
139.5	141	C 152776	0.007	0.073	0.006	7	9	16		0.11
141	142	C 152777	0.008	0.086	0.005	5	6	11		0.06
142	144	C 152778	0.018	0.305	0.014	23	23	46	3	0.59
144	146	C 152779	0.018	0.249	0.013	12	9	21	4	0.27
146	148	C 152780	0.024	0.212	0.012	42	40	82	5	0.25
148	150	C 152781	0.039	0.246	0.017	21	23	44	4	0.29
150	151	C 152782	0.021	0.279	0.016	12	14	26	4	0.2
151	153	C 152783	0.003	0.229	0.012	23	20	43	3	0.001
153	154.5	C 152784	0.003	0.221	0.012	51	35	86	3	0.1
154.5	156	C 152785	0.005	0.203	0.011	13	18	31	4	0.14
156	158	C 152786	0.004	0.186	0.011	4		4	2	0.12
158	160	C 152787	0.003	0.181	0.011	7	8	15	8	0.07
160	161.6	C 152788	0.003	0.160	0.010	7	4	11	3	0.08
161.6	163	C 152789	0.004	0.223	0.012	33	43	76	3	0.08
163	165	C 152791	0.003	0.237	0.013	32	32	64	2	0.001
165	167	C 152792	0.003	0.245	0.013	34	68	102	4	0.001
167	169	C 152793	0.002	0.255	0.013	27	20	47	4	0.001
169	171	C 152794	0.016	0.368	0.013	100	101	201	5	0.07
171	173	C 152795	0.006	0.256	0.013	12	7	19	3	0.001
173	175	C 152796	0.007	0.222	0.012	77	66	143	2	0.001
175	177	C 152797	0.001	0.232	0.013	27	28	55	2	0.001
177	179	C 152798	0.003	0.211	0.012	4		4		0.001
179	181	C 152799	0.002	0.208	0.012	4		4	2	0.001
181	183	C 152800	0.001	0.229	0.013	3		3	2	0.001
183	185	C 152801	0.002	0.249	0.013	16	9	25	2	0.001
185	187	C 152802	0.002	0.251	0.013	25	21	46	17	0.001
187	189	C 152803	0.001	0.242	0.012	8	7	15	9	0.001
189	191	C 152804	0.001	0.222	0.013	6	4	10	2	0.001
191	193	C 152805	0.001	0.214	0.013	2		2	2	0.001
193	195	C 152806	0.001	0.216	0.012	2		2		0.001

FROM	TO	SAMPLE	Cu %	Ni %	Co %	Pt** ppb	Pd** ppb	Pt+Pd	Au ppb	S_ ICP-MS
195	197	C 152807	0.001	0.223	0.013	3	2	5	3	0.001
197	198.2	C 152808	0.012	0.028	0.005	16	15	31		0.001
198.2	200	C 152809	0.002	0.208	0.013	6	5	11	3	0.07
200	202	C 152810	0.001	0.247	0.013	2	2	4		0.001
202	204	C 152811	0.001	0.251	0.014	7	2	9		0.001
204	206	C 152812	0.002	0.264	0.013	23	17	40		0.001
206	208	C 152813	0.002	0.283	0.014	166	164	330	5	0.001
208	210	C 152814	0.002	0.251	0.015	12	9	21		0.001
210	212	C 152815	0.003	0.268	0.015	37	34	71	2	0.001
212	214	C 152816	0.005	0.234	0.015	66	44	110	3	0.001
214	216	C 152817	0.016	0.237	0.014	98	72	170	7	0.001
216	218	C 152818	0.014	0.242	0.015	48	29	77	5	0.07
218	220	C 152819	0.004	0.218	0.014	12	8	20	2	0.001
220	222	C 152821	0.006	0.204	0.013	24	27	51	3	0.001
222	224	C 152822	0.004	0.229	0.014	28	27	55		0.001
224	226	C 152823	0.007	0.201	0.013	67	60	127	3	0.07
226	226.6	C 152824	0.005	0.182	0.012	34	29	63		0.07
226.6	228	C 152825	0.045	0.187	0.019	14	12	26	2	0.57
228	230	C 152826	0.072	0.163	0.021	15	21	36	2	0.99
230	230.5	C 152827	0.022	0.185	0.017	5	4	9	33	0.46
230.5	232	C 152828	0.017	0.174	0.012	8	11	19	2	0.23
232	234	C 152829	0.005	0.197	0.012	18	17	35	2	0.001
234	235.6	C 152830	0.005	0.188	0.012	19	16	35		0.001
235.6	237	C 152831	0.025	0.089	0.009	9	14	23		0.61
237	239	C 152832	0.019	0.288	0.013	22	25	47		0.33
239	241	C 152833	0.022	0.199	0.019	17	19	36		0.46
241	243	C 152834	0.035	0.152	0.016	15	22	37		0.72
243	245	C 152835	0.020	0.185	0.012	12	14	26		0.46
245	247	C 152836	0.014	0.216	0.014	11	9	20		0.31
247	249	C 152837	0.010	0.216	0.015	10	11	21	2	0.38
249	251	C 152838	0.018	0.138	0.013	5	4	9		0.6
251	253	C 152839	0.022	0.129	0.009	4	5	9		0.54
253	254.9	C 152840	0.001	0.025	0.002	3	3	6		0.001
254.9	256	C 152841	0.042	0.172	0.010	15	10	25		0.84
256	258	C 152842	0.007	0.187	0.009	5	6	11		0.45
258	260	C 152843	0.010	0.152	0.008	2	3	5		0.78
260	262	C 152844	0.017	0.113	0.007			0		0.94
262	263.8	C 152845	0.032	0.125	0.010	3	5	8		1.1
263.8	265	C 152846	0.006	0.134	0.009	4	5	9		0.41
265	267	C 152847	0.038	0.173	0.017	2	3	5		1.64
267	269	C 152848	0.010	0.118	0.010	3	11	14		0.65
269	271	C 152849	0.009	0.052	0.008	4	7	11		0.8
271	273	C 152851	0.009	0.014	0.006	3	4	7	2	0.65
273	275	C 152852	0.019	0.021	0.012			0	16	1.22
275	277	C 152853	0.007	0.044	0.009			0		0.47
277	279	C 152854	0.012	0.056	0.011			0	3	0.57
279	281	C 152855	0.009	0.016	0.006			0		0.46
281	283	C 152856	0.015	0.063	0.011			0		0.7
283	285	C 152857	0.015	0.094	0.013			0	4	0.67
285	287	C 152858	0.015	0.147	0.015		2	2	2	0.75
287	289	C 152859	0.014	0.181	0.017	3	3	6	2	0.72
289	291	C 152860	0.018	0.144	0.013	3	3	6	5	0.48
291	293	C 152861	0.024	0.179	0.015	4	5	9	2	0.53
293	295	C 152862	0.027	0.210	0.014	4	5	9	3	0.39

FROM	TO	SAMPLE	Cu %	Ni %	Co %	Pt** ppb	Pd** ppb	Pt+Pd	Au ppb	S_ ICP-MS
295	297	C 152863	0.032	0.196	0.012	3	6	9	8	0.3
297	299	C 152864	0.061	0.182	0.012	6	5	11	6	0.32
299	301	C 152865	0.032	0.209	0.013	4	5	9	3	0.37
301	303	C 152866	0.024	0.182	0.013	4	4	8	2	0.26
303	305	C 152867	0.042	0.252	0.014	6	5	11	3	0.45
305	307	C 152868	0.042	0.288	0.016	7	6	13	3	0.53
307	308.3	C 152869	0.020	0.158	0.013	11	16	27	3	0.38
308.3	310	C 152870	0.017	0.188	0.014	5	6	11	2	0.4
310	312	C 152871	0.023	0.189	0.014	3	3	6	3	0.42
312	314	C 152872	0.015	0.179	0.013	3	3	6		0.32
314	315.6	C 152873	0.011	0.168	0.012	3	3	6		0.34
315.6	316.2	C 152874	0.001	0.009	0.001	2	2	4		0.001
316.2	318	C 152875	0.022	0.169	0.011	4	4	8	2	0.42
318	320	C 152876	0.064	0.201	0.013	8	9	17	3	0.42
320	322	C 152877	0.018	0.222	0.015	30	26	56		0.52
322	324	C 152878	0.043	0.306	0.017	31	33	64	3	0.64
324	326	C 152879	0.019	0.189	0.015	7	7	14		0.47
326	328	C 152881	0.018	0.149	0.011	5	6	11		0.37
328	330	C 152882	0.054	0.374	0.018	19	23	42	4	0.82
330	332	C 152883	0.015	0.168	0.013	13	14	27		0.28
332	334	C 152884	0.022	0.185	0.012	22	22	44		0.34
334	336	C 152885	0.051	0.253	0.016	25	29	54	3	0.39
336	337	C 152886	0.034	0.234	0.014	15	15	30	2	0.56
337	339	C 152887	0.022	0.232	0.015	21	20	41	3	0.61
339	340.8	C 152888	0.048	0.254	0.015	19	15	34	3	0.55
340.8	342	C 152889	0.050	0.280	0.016	12	12	24	3	0.62
342	344	C 152890	0.022	0.178	0.011	2	2	4	2	0.36
344	346	C 152891	0.013	0.208	0.012	28	30	58		0.36
346	348	C 152892	0.013	0.192	0.013			0		0.33
348	350	C 152893	0.019	0.225	0.014	4	3	7		0.45
350	352	C 152894	0.031	0.224	0.013	10	10	20	4	0.41
352	354	C 152895	0.026	0.218	0.014	22	17	39	2	0.45
354	356	C 152896	0.023	0.186	0.013	14	14	28	2	0.41
356	357	C 152897	0.053	0.194	0.014	14	11	25	3	0.46
357	359	C 152898	0.056	0.404	0.020	24	26	50	5	0.95
359	361	C 152899	0.054	0.427	0.021	24	26	50	3	1.02
361	363	C 152900	0.061	0.470	0.021	33	32	65	4	1.01
363	365	C 152901	0.105	0.532	0.022	24	31	55	5	1.19
365	367	C 152902	0.088	0.485	0.021	19	21	40	5	1.02
367	369	C 152903	0.042	0.350	0.017	98	98	196	2	0.78
369	371	C 152904	0.033	0.295	0.014	14	16	30	3	0.6
371	373	C 152905	0.038	0.371	0.015	44	43	87	13	0.86
373	375	C 152906	0.025	0.349	0.015	14	14	28	3	0.79
375	376.3	C 152907	0.015	0.243	0.013	3	3	6	3	0.59
376.3	378	C 152908	0.017	0.227	0.012			0	4	0.55
378	380	C 152909	0.017	0.222	0.012	5	5	10	4	0.51
380	382	C 152911	0.020	0.231	0.013	20	21	41	6	0.58
382	383.4	C 152912	0.026	0.203	0.011	21	19	40	7	0.47
383.4	385	C 152913	0.003	0.007	0.001			0		0.001
385	386.1	C 152914	0.012	0.071	0.005	20	8	28	3	0.001
386.1	388	C 152915	0.030	0.244	0.014	28	29	57	5	0.37
388	390	C 152916	0.047	0.242	0.013	31	33	64	5	0.47
390	392	C 152917	0.029	0.229	0.012	7	11	18	2	0.47
392	394	C 152918	0.020	0.441	0.015	20	22	42	2	0.76

FROM	TO	SAMPLE	Cu %	Ni %	Co %	Pt** ppb	Pd** ppb	Pt+Pd	Au ppb	S_ ICP-MS
394	396	C 152919	0.025	0.343	0.013	14	14	28	3	0.57
396	398	C 152920	0.017	0.340	0.015	12	13	25	2	0.51
398	400	C 152921	0.021	0.325	0.014	11	13	24	2	0.5
400	402	C 152922	0.072	0.218	0.012	2	2	4	4	0.37
402	404	C 152923	0.051	0.225	0.012	2	2	4	4	0.32
404	406	C 152924	0.038	0.204	0.010	2	2	4	3	0.29
406	408	C 152925	0.018	0.388	0.020	18	24	42	3	0.52
408	410	C 152926	0.027	0.304	0.015	21	27	48	4	0.48
410	411	C 152927	0.033	0.243	0.013	15	20	35	6	0.36
411	413	C 152928	0.014	0.382	0.015	15	15	30	2	0.53
413	415	C 152929	0.015	0.334	0.013	13	14	27		0.42
415	417	C 152930	0.020	0.411	0.016	22	22	44	2	0.48
417	419	C 152931	0.027	0.172	0.010	10	7	17	2	0.21
419	421	C 152932	0.010	0.177	0.012	4	4	8		0.22
421	423	C 152933	0.007	0.215	0.012	4	4	8		0.25
423	425	C 152934	0.065	0.238	0.013	11	12	23	3	0.36
425	427	C 152935	0.039	0.227	0.013	17	21	38		0.28
427	429	C 152936	0.068	0.231	0.012	13	16	29	3	0.31
429	431	C 152937	0.015	0.314	0.014	13	16	29		0.36
431	433	C 152938	0.051	0.269	0.012	16	18	34	4	0.36
433	435	C 152939	0.120	0.408	0.016	37	43	80	5	0.57
435	437.2	C 152941	0.065	0.327	0.014	35	38	73	2	0.54
437.2	439	C 152942	0.209	0.401	0.025	35	59	94		1.55
439	441	C 152943	0.184	0.288	0.018	24	21	45		1.73
441	443	C 152944	0.051	0.327	0.020	30	35	65		1.49
443	445	C 152945	0.069	0.233	0.014	10	8	18		0.69
445	445.6	C 152946	0.051	0.166	0.011			0		0.5
445.6	447	C 152947	0.033	0.181	0.013	3		3	3	0.52
447	449	C 152948	0.052	0.353	0.018	11	14	25	3	0.99
449	451	C 152949	0.043	0.541	0.029	16	25	41	3	1.54
451	453	C 152950	0.029	0.360	0.018	16	17	33	4	0.85
453	455	C 152951	0.054	0.261	0.014	19	19	38	3	0.62
455	457	C 152952	0.066	0.233	0.012	9	9	18	3	0.54
457	459	C 152953	0.051	0.215	0.012	5	7	12	3	0.61
459	461	C 152954	0.043	0.247	0.013	30	25	55	3	0.55
461	462.1	C 152955	0.126	0.213	0.013	11	12	23	3	0.68
462.1	464	C 152956	0.007	0.173	0.010	21	15	36		0.35
464	466	C 152957	0.008	0.186	0.011	17	16	33		0.36
466	468	C 152958	0.010	0.180	0.011	15	19	34		0.35
468	470	C 152959	0.019	0.157	0.010	3	3	6		0.24
470	472	C 152960	0.014	0.171	0.011	11	11	22		0.28
472	474	C 152961	0.008	0.113	0.008	14	23	37		0.17
474	476	C 152962	0.009	0.159	0.011	14	18	32		0.24
476	477.3	C 152963	0.012	0.179	0.013	13	7	20		0.21

FROM	TO	SAMPLE	Cu %	Ni %	Co %	Pt** ppb	Pd** ppb	Pt+Pd	Au ppb	S_ ICP-MS
		HOLE ID		N		E		ELEV		
		DH 03-09		6481508		509444.9		1033.00		
2345678	2345678	2345678	2345678	2345678	2345678	2345678	2345678	2345678		
	DEPTH		AZIMUTH	DIP						
0.0	252.0		200.0	-85.0						
FROM	TO	SAMPLE	Cu %	Ni %	Co %	Pt** ppb	Pd** ppb	Pt+Pd	Au ppb	S_ ICP-MS
6.1	8	C 152964	0.005	0.152	0.011	18	18	36		0.07
8	10	C 152965	0.014	0.244	0.013	7	6	13		0.11
10	12	C 152966	0.002	0.254	0.011	3		3		0.001
12	14	C 152967	0.002	0.255	0.011			0		0.001
14	16	C 152968	0.002	0.252	0.011			0		0.001
16	18	C 152969	0.002	0.245	0.012			0		0.001
18	20	C 152971	0.004	0.240	0.012			0		0.001
20	22	C 152972	0.002	0.227	0.012	12	9	21		0.001
22	23.5	C 152973	0.002	0.233	0.011	5	6	11		0.001
23.5	25	C 152974	0.005	0.181	0.010	43	41	84		0.14
25	26.4	C 152975	0.018	0.220	0.012	21	18	39		0.29
26.4	28	C 152976	0.005	0.228	0.013	23	21	44		0.15
28	30	C 152977	0.010	0.116	0.009	10	10	20	12	0.23
30	32	C 152978	0.015	0.163	0.011	10	16	26	13	0.35
32	34	C 152979	0.016	0.201	0.012	7	9	16	2	0.48
34	36	C 152980	0.021	0.167	0.012	6	7	13		0.64
36	38	C 152981	0.027	0.156	0.011	16	29	45	3	0.69
38	40	C 152982	0.008	0.195	0.011	30	32	62		0.23
40	41.9	C 152983	0.010	0.186	0.010	10	13	23		0.22
41.9	43	C 152984	0.009	0.180	0.010	11	12	23		0.34
43	45	C 152985	0.011	0.192	0.010	11	14	25		0.4
45	47	C 152986	0.009	0.165	0.010	10	14	24	8	0.37
47	49	C 152987	0.007	0.168	0.009	4	4	8		0.24
49	51	C 152988	0.008	0.176	0.009	5	5	10		0.29
51	53	C 152989	0.008	0.158	0.009	10	11	21	4	0.26
53	55	C 152990	0.019	0.204	0.014	8	8	16		0.81
55	57	C 152991	0.026	0.135	0.013	10	9	19	3	0.66
57	59	C 152992	0.015	0.133	0.010	6	6	12		0.49
59	61	C 152993	0.010	0.144	0.009	4	4	8	3	0.36
61	63	C 152994	0.012	0.168	0.010	16	15	31	2	0.55
63	65	C 152995	0.006	0.158	0.010	5	6	11		0.33
65	67	C 152996	0.011	0.190	0.011	10	9	19	2	0.5
67	69	C 152997	0.011	0.211	0.011	6	8	14	3	0.41
69	71	C 152998	0.003	0.189	0.009	4	5	9		0.15
71	73	C 152999	0.004	0.166	0.008	3	4	7	7	0.22
73	75	B 200201	0.004	0.153	0.008	3	3	6		0.32
75	77	B 200202	0.016	0.097	0.008	3	4	7		0.58
77	79	B 200203	0.019	0.094	0.008	3	3	6	2	0.58
79	79.9	B 200204	0.017	0.145	0.012	5	7	12	3	0.6
79.9	81	B 200205	0.010	0.119	0.011	3	3	6		0.45
81	83	B 200206	0.018	0.173	0.014	5	7	12	4	0.63
83	85	B 200207	0.014	0.202	0.013	10	15	25	4	0.49
85	87	B 200208	0.004	0.183	0.010	4	4	8	21	0.15
87	89	B 200209	0.003	0.169	0.010	2	2	4		0.12
89	90	B 200210	0.005	0.211	0.011	4	6	10	10	0.18
90	92	B 200211	0.005	0.179	0.010	6	9	15	2	0.19
92	94	B 200212	0.003	0.177	0.009	5	6	11	7	0.001
94	96	B 200213	0.006	0.211	0.010	35	37	72	3	0.14

FROM	TO	SAMPLE	Cu %	Ni %	Co %	Pt** ppb	Pd** ppb	Pt+Pd	Au ppb	S_ ICP-MS
96	98	B 200214	0.005	0.182	0.010	7	7	14	5	0.06
98	100	B 200215	0.014	0.143	0.009	4	5	9	2	0.23
100	101.8	B 200216	0.051	0.160	0.018	5	27	32	6	2.01
101.8	103	B 200217	0.014	0.125	0.009	3	6	9	5	0.75
103	105	B 200218	0.010	0.102	0.009	7	8	15	8	0.46
105	107	B 200219	0.014	0.130	0.011	9	9	18		0.62
107	109	B 200220	0.012	0.154	0.012	35	37	72	2	0.5
109	111	B 200221	0.006	0.094	0.008	3	4	7	17	0.29
111	113	B 200222	0.007	0.095	0.008	4	5	9	2	0.5
113	115	B 200223	0.006	0.111	0.008	3	4	7	4	0.39
115	116.4	B 200224	0.022	0.052	0.009	2	3	5		1.1
116.4	118	B 200225	0.016	0.048	0.005	8	7	15	2	0.49
118	120	B 200226	0.027	0.079	0.010	11	10	21	2	0.81
120	122	B 200227	0.027	0.041	0.008	4	5	9		0.63
122	124	B 200228	0.038	0.059	0.010	7	7	14		0.74
124	126	B 200229	0.022	0.097	0.008	7	7	14		0.42
126	128	B 200231	0.025	0.086	0.008	7	8	15		0.45
128	130	B 200232	0.018	0.094	0.008	15	19	34		0.32
130	132	B 200233	0.017	0.113	0.010	30	41	71		0.18
132	134	B 200234	0.053	0.156	0.010	45	52	97	5	0.3
134	136	B 200235	0.066	0.183	0.012	63	65	128	6	0.35
136	138	B 200236	0.054	0.174	0.011	30	31	61	5	0.44
138	140	B 200237	0.024	0.139	0.010	48	42	90	2	0.14
140	142	B 200238	0.039	0.160	0.011	10	10	20		0.42
142	144	B 200239	0.022	0.156	0.011	14	18	32	2	0.31
144	146	B 200240	0.034	0.182	0.012	43	49	92	5	0.31
146	148	B 200241	0.032	0.226	0.012	71	77	148	4	0.34
148	150	B 200242	0.016	0.166	0.010	7	7	14	3	0.1
150	152	B 200243	0.078	0.273	0.014	49	52	101	15	0.47
152	154	B 200244	0.027	0.197	0.012	18	22	40	4	0.17
154	156	B 200245	0.013	0.168	0.011	24	25	49	2	0.12
156	158	B 200246	0.010	0.171	0.011	53	55	108	2	0.08
158	160	B 200247	0.006	0.125	0.009	17	18	35		0.08
160	162	B 200248	0.005	0.163	0.011	41	39	80		0.001
162	164	B 200249	0.034	0.262	0.013	118	124	242	10	0.17
164	166	B 200250	0.006	0.165	0.010	36	36	72		0.07
166	167	E 178801	0.010	0.195	0.012	48	55	103	2	0.11
167	168.2	E 178802	0.011	0.221	0.012	24	26	50	8	0.15
168.2	169	E 178803	0.006	0.172	0.011	31	30	61	2	0.08
169	171	E 178804	0.018	0.225	0.013	81	105	186	4	0.25
171	173	E 178805	0.022	0.201	0.012	56	65	121	9	0.26
173	175	E 178806	0.058	0.247	0.013	43	50	93	2	0.35
175	177	E 178807	0.010	0.183	0.012	7	11	18		0.21
177	179	E 178808	0.011	0.178	0.012	46	59	105		0.19
179	181	E 178809	0.033	0.219	0.013	42	50	92	5	0.27
181	182.8	E 178811	0.041	0.204	0.011	8	11	19	3	0.16
182.8	184	E 178812	0.033	0.254	0.014	40	42	82	5	0.36
184	186	E 178813	0.022	0.210	0.012	35	38	73	3	0.24
186	188	E 178814	0.014	0.169	0.011	16	21	37		0.2
188	190	E 178815	0.014	0.191	0.012	46	51	97		0.19
190	192	E 178816	0.012	0.128	0.009	13	17	30		0.17
192	194	E 178817	0.009	0.161	0.010	53	56	109		0.15
194	196	E 178818	0.038	0.281	0.016	111	118	229	2	0.3
196	197.4	E 178819	0.022	0.203	0.013	71	64	135		0.24

FROM	TO	SAMPLE	Cu %	Ni %	Co %	Pt** ppb	Pd** ppb	Pt+Pd	Au ppb	S_ ICP-MS
197.4	199	E 178820	0.004	0.037	0.004	9	12	21		0.06
199	201	E 178821	0.016	0.197	0.012	44	50	94		0.19
201	203	E 178822	0.012	0.199	0.012	42	62	104		0.24
203	205	E 178823	0.022	0.200	0.011	16	19	35		0.19
205	205.7	E 178824	0.022	0.129	0.007	8	12	20		0.23
205.7	207	E 178825	0.018	0.238	0.013	43	49	92		0.19
207	209	E 178826	0.008	0.239	0.013	85	89	174		0.13
209	211	E 178827	0.006	0.217	0.013	50	46	96		0.13
211	213	E 178828	0.026	0.229	0.014	38	47	85		0.22
213	215	E 178829	0.039	0.247	0.015	80	73	153	2	0.33
215	217	E 178830	0.017	0.199	0.013	80	67	147		0.17
217	219	E 178831	0.006	0.201	0.013	143	109	252		0.08
219	221	E 178832	0.002	0.204	0.013	47	32	79		0.07
221	221.9	E 178833	0.002	0.222	0.012	45	39	84		0.1
221.9	223	E 178834	0.009	0.199	0.011	7	8	15		0.23
223	223.6	E 178835	0.008	0.220	0.012	5	6	11		0.18
223.6	225	E 178836	0.004	0.219	0.012	4	4	8		0.12
225	227	E 178837	0.004	0.229	0.012	3	3	6		0.12
227	229	E 178838	0.004	0.238	0.012	33	19	52		0.15
229	231	E 178839	0.003	0.251	0.012	69	52	121		0.11
231	233	E 178841	0.005	0.252	0.012	657	325	982	2	0.12
233	235	E 178842	0.002	0.251	0.012	73	49	122		0.11
235	237	E 178843	0.004	0.243	0.012	195	135	330		0.15
237	239	E 178844	0.002	0.233	0.012	8	6	14		0.09
239	241	E 178845	0.002	0.214	0.010	5	3	8		0.09
241	242.8	E 178846	0.001	0.255	0.012	8	14	22		0.11
242.8	244	E 178847	0.006	0.033	0.003	9		9		0.001
244	244.7	E 178848	0.005	0.042	0.003	2		2		0.001
244.7	246	E 178849	0.001	0.149	0.010	2		2		0.07
246	248	E 178850	0.003	0.204	0.011	18	12	30		0.14
248	250	45751	0.002	0.174	0.010	5	5	10		0.11
250	252.1	45752	0.002	0.123	0.007			0		0.08

(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A301424 Page 1

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
SI	.2	.5	.6	1	<.1	.3	.1	5	.02	<.5	<.1	1.5	<.1	3	<.1	<.1	<.1	1	.13	<.001	<1	<1	.01	3	<.001	<1	.01	.567	.01	.1	.01	.1	<.1	<.05	<1	<.5	<2	<2	<2
A 185322	.4	11.3	.4	20	<.1	2068.5	109.7	1034	5.29	.9	<.1	.5	<.1	<1	<.1	<.1	<.1	1	.08	.001	<1	100.8	21.70	<1	<.001	3	<.01	.003	<.01	.1	<.01	2.5	<.1	.06	<1	<.5	<2	14	11
A 185323	1.0	25.2	1.9	30	.1	2144.3	109.2	980	5.05	1.2	<.1	1.0	<.1	<1	<.1	.1	<.1	1	.11	.001	<1	91.2	21.77	1	<.001	2	<.01	.004	<.01	.3	<.01	2.8	<.1	<.05	<1	<.5	<2	31	29
A 185324	.6	35.9	.2	20	<.1	2280.4	105.5	1019	5.13	<.5	<.1	<.5	<.1	<1	<.1	<.1	<.1	1	.11	.001	<1	133.3	22.30	<1	.003	1	<.01	.002	<.01	.1	<.01	2.5	<.1	.06	<1	<.5	<2	21	17
A 185325	.8	74.6	.4	20	.1	2346.3	106.8	946	4.88	<.5	<.1	.6	<.1	<1	<.1	.1	<.1	1	.13	.001	<1	210.7	22.52	<1	.003	3	.01	.002	<.01	.3	.01	2.7	<.1	.09	<1	<.5	<2	11	11
A 185326	.5	404.1	.5	21	.1	2647.7	137.0	1036	5.66	1.1	<.1	3.3	<.1	1	.5	<.1	<.1	1	.15	.001	<1	130.3	22.20	<1	.003	2	<.01	.001	<.01	.1	<.01	2.4	<.1	.12	<1	.5	3	70	89
A 185327	.9	633.1	.5	21	.2	2783.1	148.4	1088	5.94	.5	<.1	2.3	<.1	<1	.2	<.1	.1	1	.13	.001	<1	173.0	21.67	<1	.003	4	<.01	.001	<.01	.3	<.01	2.7	<.1	.20	<1	1.3	3	69	102
A 185328	.4	548.6	.4	21	.1	1855.2	144.5	1177	6.90	<.5	<.1	1.3	<.1	<1	.1	.1	<.1	1	.06	.001	<1	131.0	21.27	<1	.002	4	<.01	.001	<.01	.1	<.01	2.5	<.1	.17	<1	.5	<2	.28	30
A 185329	.7	269.7	.3	21	.1	1898.7	126.0	1193	6.83	.5	<.1	1.0	<.1	<1	<.1	<.1	<.1	1	.08	.001	<1	183.8	20.99	<1	.001	5	<.01	.001	<.01	.2	<.01	2.7	<.1	.10	<1	.5	<2	28	33
A 185330	.5	154.8	.2	24	<.1	1927.9	133.9	1193	6.52	.8	<.1	<.5	<.1	<1	.1	<.1	<.1	1	.06	.001	<1	107.8	21.37	<1	.001	4	<.01	.001	<.01	.1	<.01	2.8	<.1	.08	<1	<.5	<2	12	10
A 185331	.7	226.0	.6	24	.1	2394.9	138.3	1208	6.68	.6	<.1	.8	<.1	1	.1	<.1	<.1	1	.24	.001	<1	168.8	21.38	1	<.001	5	.01	.001	<.01	.2	<.01	2.5	<.1	.12	<1	.7	<2	31	31
A 185332	.5	299.0	.5	19	.1	2084.4	119.0	1062	5.85	1.0	<.1	.9	<.1	1	<.1	.1	<.1	1	.09	.001	<1	308.7	20.67	1	<.001	10	.01	.001	<.01	.1	.01	2.4	<.1	.10	<1	<.5	<2	11	12
A 185333	.3	82.4	.5	19	<.1	1985.8	110.9	1030	6.14	1.4	<.1	.9	<.1	25	<.1	.1	<.1	19	1.34	.007	<1	302.7	16.33	15	.013	12	.56	.001	.02	.1	<.01	4.7	<.1	.14	1	<.5	<2	21	21
A 185334	.3	80.1	.6	16	<.1	1864.0	104.7	850	5.60	1.6	<.1	<.5	<.1	20	.1	<.1	<.1	25	1.12	.011	<1	297.2	15.80	15	.008	21	.72	.001	.04	<.1	<.01	5.6	<.1	.14	2	.8	2	23	22
A 185335	.5	92.9	.7	15	<.1	1649.7	128.0	1291	7.17	1.3	<.1	<.5	<.1	5	<.1	.2	<.1	20	1.15	.019	<1	516.7	15.61	6	.013	22	.16	<.001	<.01	<.1	<.01	6.9	<.1	.13	1	1.0	<2	19	18
RE A 185335	.4	82.9	.5	14	<.1	1528.2	118.0	1304	7.21	1.2	<.1	<.5	<.1	5	<.1	.2	<.1	21	1.15	.017	<1	469.0	15.72	5	.015	23	.17	.001	<.01	<.1	<.01	6.2	<.1	.13	1	.6	<2	22	20
RRE A 185335	.4	90.8	.6	14	<.1	1604.0	126.1	1254	6.78	1.5	<.1	<.5	<.1	5	<.1	.2	<.1	19	1.03	.016	<1	452.3	15.77	5	.014	25	.15	.001	<.01	<.1	<.01	6.8	<.1	.12	1	.7	<2	20	21
A 185336	.4	143.9	.4	20	<.1	1572.2	119.5	1474	7.36	.7	<.1	.5	<.1	1	<.1	.1	<.1	3	.06	.001	<1	628.7	18.98	1	.001	21	.02	.001	<.01	.1	<.01	3.7	<.1	.12	<1	.5	<2	17	20
A 185337	.2	32.5	.4	26	<.1	1676.0	117.1	1347	6.72	<.5	<.1	<.5	<.1	1	<.1	<.1	<.1	1	.07	.001	<1	121.7	19.31	<1	<.001	8	.01	.001	<.01	<.1	<.01	2.7	<.1	<.05	<1	<.5	<2	2	3
A 185338	.8	40.1	.8	31	<.1	1690.2	117.1	1376	7.10	.5	<.1	.5	<.1	1	<.1	<.1	<.1	1	.16	.001	<1	123.3	20.53	<1	<.001	8	<.01	.001	<.01	.2	<.01	2.6	<.1	<.05	<1	<.5	<2	2	<2
A 185339	.3	81.1	.4	31	<.1	1761.4	120.9	1366	7.14	<.5	<.1	.8	<.1	2	<.1	.1	<.1	2	.26	.001	<1	105.8	19.67	1	<.001	6	<.01	.001	<.01	.1	<.01	3.3	<.1	<.05	<1	<.5	<2	15	15
A 185340	1.0	118.0	.3	37	.1	1983.9	127.3	1449	7.61	<.5	<.1	.6	<.1	1	.1	<.1	<.1	2	.13	.001	<1	96.7	21.11	<1	.002	2	.01	.001	<.01	.4	<.01	3.6	<.1	<.05	<1	<.5	<2	16	18
A 185341	.4	208.3	.3	35	.1	1809.3	119.0	1422	7.42	<.5	<.1	1.3	<.1	1	.1	<.1	<.1	1	.14	.001	<1	71.1	20.38	<1	.003	2	<.01	.001	<.01	.1	<.01	3.1	<.1	<.05	<1	<.5	<2	28	26
A 185342	.8	347.3	.3	37	.2	1786.0	124.4	1543	8.29	<.5	<.1	2.8	<.1	1	.1	<.1	<.1	1	.11	.001	<1	69.2	22.00	<1	.004	4	<.01	.001	<.01	.3	<.01	3.3	<.1	.10	<1	.7	2	22	24
A 185343	.4	147.4	.3	39	.1	1491.8	120.8	1511	7.78	<.5	<.1	.8	<.1	1	.1	<.1	<.1	2	.21	.001	<1	98.3	20.27	<1	.003	2	<.01	.001	<.01	.1	<.01	3.8	<.1	<.05	<1	<.5	<2	16	17
A 185344	1.1	135.5	.4	43	.1	1548.3	127.5	1569	8.11	<.5	<.1	1.6	<.1	1	.1	<.1	<.1	1	.15	.001	<1	66.0	21.36	<1	.005	1	<.01	.001	<.01	.4	<.01	4.2	<.1	<.05	<1	<.5	<2	24	29
A 185345	1.0	377.3	.3	39	.2	1845.4	124.6	1564	8.34	<.5	<.1	2.0	<.1	1	.1	<.1	<.1	2	.15	.001	<1	70.6	21.57	<1	.006	1	<.01	.001	<.01	.2	<.01	4.2	<.1	.14	<1	.9	5	35	35
A 185346	.9	358.2	.3	39	.2	2107.5	134.3	1500	7.95	<.5	<.1	1.6	<.1	1	.1	<.1	<.1	2	.12	.001	<1	77.5	20.16	<1	<.001	3	<.01	.001	<.01	.3	<.01	3.0	<.1	.18	<1	1.4	5	47	48
A 185347	.6	233.8	.3	36	.1	1905.2	133.5	1436	7.60	<.5	<.1	1.7	<.1	1	.1	<.1	<.1	2	.14	.001	<1	75.5	20.14	<1	.008	4	<.01	.001	<.01	.1	<.01	3.6	<.1	.15	<1	.6	<2	38	35
A 185348	.9	251.7	.9	23	.1	1885.7	133.1	1269	6.96	<.5	<.1	1.4	<.1	9	.1	<.1	<.1	3	.06	.001	<1	120.1	18.18	1	<.001	7	.02	<.001	<.01	.1	<.01	2.7	<.1	.24	<1	.9	3	46	48
A 185349	.6	200.9	.6	30	.1	2003.0	143.1	1259	7.26	<.5	<.1	1.1	<.1	2	<.1	<.1	<.1	2	.06	.001	<1	89.3	19.67	1	.002	8	.01	.001	<.01	.1	<.01	3.2	<.1	.32	<1	.8	<2	18	18
A 185350	18.6	215.3	1.6	37	.1	1606.0	113.9	1002	6.03	.6	<.1	1.7	.1	67	<.1	.1	.1	39	.44	.020	<1	224.7	12.59	209	.038	21	1.22	.004	.83	.1	.01	5.8	.3	.28	3	.6	<2	34	39
A 185351	.7	236.9	.5	23	.1	2405.7	149.4	1301	7.36	.7	<.1	1.5	<.1	1	<.1	<.1	<.1	6	.04	.001	<1	220.4	18.04	3	.007	18	.05	.001	.01	<.1	.01	3.0	<.1	.26	<1	1.0	<2	42	43
A 185352	.9	161.5	.2	32	.1	1778.8	142.6	1331	7.38	<.5	<.1	<.5	<.1	1	<.1	<.1	<.1	2	.09	.001	<1	71.2	20.94	1	.002	5	.01	.001	<.01	.3	<.01	3.7	<.1	.15	<1	<.5	3	26	22
A 185353	.4	220.5	3.8	29	.1	1615.7	149.5	1301	7.73	<.5	<.1	1.3	<.1	4	<.1	<.1	<.1	4	.05	.001	<1	174.3	18.73	<1	.002	13	.07	<.001	<.01	.1	<.01	3.4	<.1	.41	1	1.0	<2	23	20
STANDARD DS4	6.3	120.0	30.8	152	.3	33.8	11.5	798	3.19	21.4	6.1	23.6	3.6	26	5.0	4.4	5.0	76	.54	.082	17	158.9	.58	137	.083	<1	1.74	.028	.14	3.6	.28	3.6	1.1	<.05	6	1.1	486	476	495

Standard is STANDARD DS4/FA-10R.

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: P1 TO P2 CORE P AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 6 2003 DATE REPORT MAILED: May 16/03 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data R FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
A 185354	.6	133.7	.3	38	.1	1635.5	139.2	1396	7.65	<.5	<.1	<.5	<.1	<1	<.1	<.1	<.1	2	.08	.001	<1	79.4	20.60	<1	.001	6	<.01	.001	<.01	.2	<.01	4.9	<.1	.26	<1	.7	<2	16	18
A 185355	1.1	191.1	.4	38	.1	1894.7	150.9	1340	7.61	<.5	<.1	<.5	<.1	<1	<.1	<.1	<.1	3	.12	.001	<1	100.6	20.55	<1	<.001	4	.01	.001	<.01	.5	<.01	4.6	<.1	.46	<1	1.0	<2	10	11
A 185356	.6	242.7	.4	37	.1	2126.9	149.9	1405	7.83	<.5	<.1	<.5	<.1	<1	.1	<.1	<.1	2	.11	.001	<1	96.8	20.36	<1	.002	5	.01	.001	<.01	.1	<.01	4.3	<.1	.40	<1	1.0	<2	19	23
A 185357	.7	220.2	.3	33	.1	1431.4	123.6	1332	7.36	<.5	<.1	1.0	<.1	<1	.1	<.1	<.1	2	.22	.001	<1	113.8	19.67	<1	.001	6	.02	.001	<.01	.2	<.01	3.6	<.1	.21	<1	.5	3	29	27
A 185358	.4	93.7	.2	34	<.1	2167.6	146.4	1379	7.53	<.5	<.1	<.5	<.1	<1	<.1	<.1	<.1	2	.06	.001	<1	94.9	20.18	<1	.003	6	.01	<.001	<.01	.1	<.01	3.7	<.1	.18	<1	<.5	<2	12	12
A 185359	.9	36.9	.3	31	<.1	1702.0	119.0	1389	7.42	<.5	<.1	<.5	<.1	<1	<.1	<.1	<.1	<1	.06	.001	<1	58.9	21.51	<1	<.001	3	<.01	.001	<.01	.4	<.01	3.9	<.1	.07	<1	<.5	<2	6	6
A 185360	.4	60.7	.4	25	<.1	1689.0	121.5	1274	7.06	<.5	<.1	<.5	<.1	<1	<.1	<.1	<.1	1	.06	.001	<1	73.6	19.92	<1	.002	6	.01	.001	<.01	.1	.01	2.8	<.1	.08	<1	<.5	<2	2	2
A 185361	.7	107.4	.5	27	.1	1831.5	140.5	1359	7.50	<.5	<.1	1.1	<.1	<1	<.1	<.1	<.1	2	.13	.001	<1	270.0	21.39	<1	<.001	18	.01	.001	<.01	.2	.01	3.0	<.1	.15	<1	.5	<2	13	16
A 185362	.3	511.1	.5	25	.2	2363.3	135.5	1328	7.30	<.5	<.1	.7	<.1	<1	.1	<.1	<.1	2	.04	.001	<1	157.6	20.10	<1	<.001	8	.02	.001	<.01	<.1	.01	2.7	<.1	.30	<1	1.2	2	64	67
A 185363	.5	263.1	.4	24	.1	2052.2	120.8	1264	6.71	<.5	<.1	.5	<.1	<1	.1	<.1	<.1	1	.06	.001	<1	111.6	21.92	<1	<.001	5	.01	.001	<.01	.2	.01	2.5	<.1	.15	<1	.8	<2	44	42
A 185364	.4	287.3	1.0	33	.1	1659.9	131.8	1314	7.47	<.5	<.1	1.5	<.1	21	.1	<.1	<.1	20	.28	.015	<1	88.6	17.69	15	.019	7	.48	.002	.18	.1	.01	3.9	<.1	.32	1	1.0	2	157	111
A 185365	.3	125.6	.5	27	.1	1913.9	131.2	1400	7.57	<.5	<.1	1.2	<.1	1	.1	.1	<.1	1	.03	.001	<1	130.7	18.88	<1	<.001	8	.01	.001	<.01	<.1	.02	2.5	<.1	.18	<1	.9	2	262	207
A 185366	.3	74.2	.3	27	.1	2096.5	135.0	1417	7.40	<.5	<.1	5.4	<.1	2	<.1	<.1	<.1	2	.05	.001	<1	88.9	20.07	<1	.002	9	.01	.001	<.01	<.1	.01	2.9	<.1	.16	<1	.7	4	238	212
A 185367	.8	278.8	.2	34	.1	2433.9	146.9	1444	8.05	<.5	<.1	.9	<.1	<1	<.1	<.1	<.1	1	.05	.001	<1	76.2	21.53	<1	<.001	4	<.01	<.001	<.01	.4	.01	3.4	<.1	.21	<1	1.0	<2	272	168
A 185368	.4	154.1	.2	29	.1	2515.6	137.3	1382	7.66	<.5	<.1	2.0	<.1	1	<.1	<.1	<.1	1	.04	.001	<1	134.9	20.77	<1	.001	10	.02	.001	<.01	<.1	.02	2.4	<.1	.22	<1	.7	2	224	154
A 185369	.4	215.5	.8	25	.1	1815.3	134.3	1307	7.38	.5	<.1	.9	<.1	2	<.1	.1	<.1	6	.07	.001	<1	140.6	18.88	1	.004	13	.10	.001	.01	.2	<.01	2.8	<.1	.48	1	1.2	<2	95	73
A 185370	.3	120.0	.6	17	<.1	1862.3	114.4	1037	6.36	<.5	<.1	1.3	<.1	4	<.1	.1	<.1	12	.22	.004	<1	393.9	17.60	3	.007	24	.31	.001	.01	<.1	.01	3.8	<.1	.28	1	.6	<2	20	14
A 185371	.4	3.8	.3	16	<.1	2342.5	104.0	1117	5.15	<.5	<.1	<.5	<.1	<1	<.1	<.1	<.1	1	.05	.001	<1	392.3	22.56	<1	.003	17	.01	.001	<.01	<.1	<.01	2.8	<.1	<.05	<1	<.5	<2	<2	<2
A 185372	.4	4.6	.1	17	<.1	2289.7	102.8	1046	4.86	<.5	<.1	.6	<.1	<1	<.1	<.1	<.1	1	.06	.001	<1	244.4	22.12	<1	<.001	9	.01	.001	<.01	.1	<.01	2.7	<.1	<.05	<1	<.5	<2	<2	<2
A 185373	.7	3.6	.2	21	<.1	2205.5	106.6	1096	5.44	<.5	<.1	.6	<.1	<1	<.1	<.1	<.1	1	.07	.001	<1	164.9	22.86	<1	<.001	8	<.01	.001	<.01	.3	<.01	2.8	<.1	<.05	<1	<.5	<2	2	<2
A 185374	.6	2.6	.5	18	<.1	2039.5	99.9	1038	5.15	<.5	<.1	<.5	<.1	1	<.1	<.1	<.1	1	.04	.001	<1	170.2	20.80	<1	.003	12	.04	.001	<.01	.2	<.01	2.4	<.1	<.05	<1	<.5	<2	<2	2
A 185375	.7	2.6	.2	19	<.1	2362.6	107.9	1056	5.15	<.5	<.1	.5	<.1	2	<.1	<.1	<.1	1	.09	.001	<1	338.4	22.52	<1	<.001	10	.03	.001	<.01	.3	<.01	3.3	<.1	<.05	<1	<.5	<2	<2	<2
RE A 185375	.7	2.6	.2	19	<.1	2339.5	106.6	1030	5.00	<.5	<.1	<.5	<.1	3	<.1	<.1	<.1	2	.08	.001	<1	320.8	21.89	<1	.002	8	.03	.001	<.01	.4	<.01	2.6	<.1	<.05	<1	<.5	<2	<2	<2
RRE A 185375	.4	3.0	.2	17	<.1	2327.9	103.4	1041	5.15	<.5	<.1	.5	<.1	3	<.1	<.1	<.1	2	.09	.001	<1	366.2	22.00	<1	.005	7	.04	.001	<.01	.1	<.01	3.2	<.1	<.05	<1	<.5	<2	<2	2
A 185376	.5	2.2	.2	16	<.1	2188.8	105.8	1036	5.24	<.5	<.1	.6	<.1	1	<.1	<.1	<.1	3	.06	.001	<1	214.8	20.36	<1	.002	7	.03	.001	<.01	.3	<.01	3.0	<.1	<.05	<1	<.5	<2	<2	<2
A 185377	.3	3.6	.4	11	<.1	1962.3	92.8	802	5.38	<.5	<.1	.5	<.1	3	<.1	<.1	<.1	11	.07	.005	<1	716.2	17.71	1	.012	23	.22	.001	<.01	.1	<.01	3.7	<.1	<.05	1	<.5	<2	<2	<2
A 185378	.5	2.4	.1	17	<.1	2081.5	104.3	1037	5.01	<.5	<.1	.5	<.1	1	<.1	<.1	<.1	1	.05	.001	<1	204.0	20.49	<1	<.001	7	.01	.001	<.01	.2	<.01	2.5	<.1	<.05	<1	<.5	<2	<2	<2
A 185379	.5	2.4	.1	20	<.1	2118.5	108.1	1055	5.36	<.5	<.1	.6	<.1	1	<.1	<.1	<.1	1	.15	.001	<1	214.7	22.76	<1	.001	5	.01	.001	<.01	.1	<.01	3.2	<.1	<.05	<1	<.5	<2	<2	<2
A 185380	1.2	2.9	.1	24	<.1	2402.9	114.3	1030	5.20	<.5	<.1	2.2	<.1	<1	<.1	<.1	<.1	1	.07	.001	<1	114.2	22.24	<1	.001	5	.01	.001	<.01	.6	<.01	3.4	<.1	<.05	<1	<.5	<2	14	11
A 185381	.6	3.1	.1	23	<.1	2174.7	107.0	997	5.13	<.5	<.1	1.2	<.1	<1	<.1	<.1	<.1	1	.07	.001	<1	64.6	22.26	<1	<.001	3	<.01	.001	<.01	.1	<.01	2.8	<.1	<.05	<1	<.5	<2	16	15
A 185382	1.3	1.7	.1	24	<.1	2215.4	110.5	1048	5.36	<.5	<.1	.7	<.1	<1	<.1	<.1	<.1	1	.07	.001	<1	151.5	22.70	<1	.001	1	<.01	.001	<.01	.5	<.01	3.3	<.1	<.05	<1	<.5	<2	5	3
A 185383	.5	2.2	.1	26	<.1	2485.0	118.3	1028	5.26	<.5	<.1	.9	<.1	1	<.1	<.1	<.1	1	.09	.001	<1	114.2	23.11	<1	<.001	10	<.01	.002	<.01	.1	<.01	2.9	<.1	<.05	<1	<.5	<2	6	<2
A 185384	.9	2.2	.1	24	<.1	2069.4	103.2	1041	5.34	<.5	<.1	.6	<.1	<1	<.1	<.1	<.1	2	.08	.001	<1	109.2	22.27	<1	.002	2	.01	.001	<.01	.5	<.01	3.2	<.1	<.05	<1	<.5	<2	<2	<2
STANDARD DS4	6.6	123.1	31.1	159	.3	35.3	11.8	799	3.18	22.4	6.0	26.0	3.6	26	5.3	4.4	4.9	75	.53	.087	17	162.1	.60	141	.081	1	1.74	.029	.15	4.0	.27	3.7	1.1	.06	6	1.0	485	475	487

Standard is STANDARD DS4/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data N FA 1

(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A301424 Page 1

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Cu %	Ni %	Co %
SI	<.001	.001	<.001
A 185322	<.001	.233	.012
A 185323	.001	.257	.012
A 185324	.002	.267	.011
A 185325	.006	.259	.010
A 185326	.043	.296	.014
A 185327	.066	.300	.015
A 185328	.057	.223	.016
A 185329	.027	.210	.013
A 185330	.015	.217	.014
A 185331	.023	.262	.014
A 185332	.030	.232	.012
A 185333	.007	.230	.012
A 185334	.007	.219	.011
A 185335	.008	.184	.013
RE A 185335	.007	.184	.013
RRE A 185335	.008	.185	.013
A 185336	.014	.187	.012
A 185337	.001	.206	.013
A 185338	.002	.206	.013
A 185339	.007	.216	.013
A 185340	.010	.228	.013
A 185341	.021	.226	.014
A 185342	.035	.224	.014
A 185343	.014	.172	.012
A 185344	.012	.175	.013
A 185345	.039	.229	.014
A 185346	.039	.238	.014
A 185347	.024	.222	.013
A 185348	.026	.230	.015
A 185349	.021	.238	.015
A 185350	.021	.182	.011
A 185351	.023	.267	.015
A 185352	.016	.197	.014
A 185353	.022	.186	.016
STANDARD R-2	.570	.370	.045

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
- SAMPLE TYPE: P1 TO P2 CORE P Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 6 2003 **DATE REPORT MAILED:** May 16/03 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

SAMPLE#	Cu %	Ni %	Co %
A 185354	.015	.173	.014
A 185355	.021	.193	.015
A 185356	.026	.223	.015
A 185357	.024	.167	.014
A 185358	.010	.223	.015
A 185359	.004	.203	.013
A 185360	.007	.192	.014
A 185361	.011	.189	.013
A 185362	.056	.273	.016
A 185363	.028	.238	.014
A 185364	.031	.186	.015
A 185365	.016	.219	.015
A 185366	.009	.222	.014
A 185367	.031	.276	.017
A 185368	.019	.281	.015
A 185369	.024	.211	.015
A 185370	.015	.204	.012
A 185371	<.001	.261	.011
A 185372	<.001	.251	.011
A 185373	<.001	.244	.011
A 185374	<.001	.233	.011
A 185375	<.001	.254	.011
RE A 185375	<.001	.260	.011
RRE A 185375	<.001	.254	.011
A 185376	<.001	.246	.011
A 185377	<.001	.221	.010
A 185378	<.001	.232	.011
A 185379	<.001	.231	.011
A 185380	<.001	.239	.011
A 185381	<.001	.242	.011
A 185382	<.001	.235	.011
A 185383	<.001	.245	.011
A 185384	<.001	.234	.011
STANDARD R-2	.572	.370	.045

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ASSAY CERTIFICATE

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Ni/S %	Ni/Ox %
A 185330	.082	.020
A 185340	.062	.017
A 185350	.153	.014
A 185360	.084	.018
A 185370	.188	.018
A 185380	.039	.028
STANDARD R-2	.307	.020

NI/S + NI/OXIDE : LEACHED WITH H2O2 + NH4 CITRATE. NI/OXIDE : LEACHED WITH HNH4 CITRATE.
NI/S = (NI/S + NI/OXIDE) - NI/OXIDE.
- SAMPLE TYPE: P1 TO P2 CORE P

DATE RECEIVED: MAY 6 2003 **DATE REPORT MAILED:** May 23/03 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ___

GEOCHEMICAL ANALYSIS CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A301425 Page 3

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
A 185385	.7	2.4	.1	20	<.1	2061.8	104.9	1060	4.93	1.3	<.1	<.5	<.1	<1	<.1	<.1	<.1	4	.05	.001	<1	159.9	20.67	<1	.001	10	.01	.005	<.01	.2	.02	1.9	<.1	.07	<1	<.5	<2	3	<2
A 185390	.5	1.9	.5	15	<.1	2110.8	98.1	831	5.80	.8	<.1	<.5	<.1	3	<.1	<.1	<.1	15	.06	.001	<1	928.8	20.61	2	.004	36	.30	.002	<.01	.1	.01	2.3	<.1	.06	1	<.5	<2	3	4
A 185395	1.2	1.5	.1	24	<.1	2211.7	109.9	1005	5.20	1.1	<.1	<.5	<.1	1	<.1	<.1	<.1	5	.10	.001	<1	106.3	21.79	<1	.001	3	<.01	.001	<.01	.4	<.01	1.9	<.1	<.05	<1	<.5	<2	<2	<2
A 185400	1.3	2.2	.2	24	<.1	2115.3	111.2	981	4.88	1.0	<.1	<.5	<.1	<1	<.1	<.1	<.1	6	.07	.001	<1	101.1	19.86	<1	.001	5	.01	.001	<.01	.5	.01	2.1	<.1	<.05	<1	<.5	<2	<2	<2
A 185405	.5	4.3	.3	24	<.1	2286.9	115.5	1054	5.54	.9	<.1	<.5	<.1	4	<.1	<.1	<.1	6	.16	.001	<1	85.8	22.78	1	.001	6	.01	.002	<.01	<.1	.01	2.5	<.1	<.05	<1	<.5	<2	<2	<2
A 185410	.5	4.1	.2	21	<.1	2192.1	114.5	1061	5.62	.9	<.1	1.2	<.1	4	<.1	<.1	<.1	6	.15	.001	<1	73.7	22.47	<1	.001	6	<.01	.002	<.01	<.1	.01	2.2	<.1	<.05	<1	<.5	<2	<2	<2
A 185415	1.0	2.6	.2	24	<.1	2359.5	118.5	1018	5.23	1.0	<.1	1.0	<.1	1	<.1	<.1	<.1	6	.08	.001	<1	66.3	22.56	<1	.001	3	<.01	.001	<.01	.2	.01	2.0	<.1	<.05	<1	<.5	<2	2	<2
A 185420	.5	10.4	2.1	27	<.1	2134.7	111.5	1095	5.69	1.1	.1	<.5	.1	18	<.1	<.1	<.1	29	.58	.022	<1	69.0	19.96	121	.031	7	.66	.006	.37	.1	.01	3.6	.1	<.05	1	<.5	<2	<2	<2
RE A 185420	.4	9.7	1.7	27	<.1	2147.8	108.7	1092	5.67	1.0	.1	1.1	.1	18	<.1	<.1	<.1	28	.58	.023	<1	67.4	20.05	113	.031	6	.64	.006	.36	.1	.01	3.5	.1	<.05	1	<.5	<2	<2	2
A 185425	.6	2.6	.2	18	<.1	2114.2	108.5	1122	5.77	1.0	<.1	<.5	<.1	11	<.1	<.1	<.1	6	.18	.002	<1	134.4	22.36	1	.002	11	.03	.001	<.01	.2	.01	2.0	<.1	<.05	<1	<.5	<2	4	5
A 185430	.4	5.6	.3	16	<.1	2135.7	107.9	1059	5.64	1.2	<.1	.5	<.1	6	<.1	.1	<.1	6	.17	.001	<1	400.8	22.49	<1	.001	17	.02	.001	<.01	.1	.01	2.0	<.1	<.05	<1	<.5	2	<2	<2
STANDARD DS	6.7	122.2	30.7	158	.3	34.7	11.5	797	3.13	22.4	6.0	25.8	3.6	27	5.2	5.0	5.0	73	.52	.093	17	159.5	.55	144	.085	1	1.70	.031	.15	3.9	.29	3.5	1.1	.08	6	1.2	487	476	491

Standard is STANDARD DS4/FA-10R.

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: P1 TO P2 CORE P AU** GROUP 3B - 30.00 GM SAMPLE ANALYSIS BY FA/ICP.
AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm) Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 6 2003 **DATE REPORT MAILED:** May 16/03 **SIGNED BY** .....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

SAMPLE#	Cu %	Ni %	Co %
A 185385	<.001	.259	.012
A 185390	<.001	.247	.010
A 185395	<.001	.279	.011
A 185400	<.001	.265	.012
A 185405	<.001	.255	.011
A 185410	<.001	.268	.011
A 185415	<.001	.263	.011
A 185420	<.001	.232	.010
RE A 185420	<.001	.236	.010
A 185425	<.001	.252	.011
A 185430	<.001	.263	.010
STANDARD R-2	.569	.372	.043

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
- SAMPLE TYPE: P1 TO P2 CORE P Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 6 2003 **DATE REPORT MAILED:** May 16/03 **SIGNED BY** C. L ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA ___

SAMPLE#	Ni/S %	Ni/Ox %
A 185385	.048	.031
A 185390	.117	.037
A 185395	.012	.029
A 185400	.018	.029
A 185405	.007	.035
A 185410	.010	.040
A 185415	.018	.030
A 185420	.035	.030
RE A 185420	.042	.031
A 185425	.047	.027
A 185430	.084	.031
STANDARD R-2	.308	.021

NI/S + NI/OXIDE : LEACHED WITH H2O2 + NH4 CITRATE. NI/OXIDE : LEACHED WITH HNH4 CITRATE.
NI/S = (NI/S + NI/OXIDE) - NI/OXIDE.
- SAMPLE TYPE: P1 TO P2 CORE P
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 6 2003 **DATE REPORT MAILED:** May 23/03 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ___

GEOCHEMICAL ANALYSIS CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A301462 Page 3

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
A 185435	.2	24.4	.7	12	<.1	1948.7	109.2	904	5.40	<.5	<.1	1.2	<.1	13	<.1	.1	<.1	28	.90	.017	1	865.8	19.01	6	.025	27	.89	.002	.01	<.1	.02	5.8	<.1	.09	2	<.5	<2	4	3
A 185440	.4	5.4	.4	15	<.1	2238.4	115.7	1338	5.70	<.5	<.1	.6	<.1	1	<.1	<.1	<.1	3	.04	.001	<1	581.1	24.13	<1	.001	20	.08	.002	<.01	.1	<.01	2.3	<.1	.12	1	<.5	2	9	4
A 185445	.3	4.2	.5	12	<.1	2131.2	106.3	1012	5.27	.5	<.1	<.5	<.1	2	<.1	.1	<.1	5	.07	.001	<1	774.9	23.61	1	.003	23	.27	.002	<.01	.1	.01	2.3	<.1	.08	1	<.5	<2	<2	<2
A 185450	.6	7.0	.3	23	<.1	2368.2	110.5	1069	5.24	<.5	<.1	1.5	<.1	2	<.1	<.1	<.1	2	.14	.001	<1	389.0	23.59	<1	.001	9	.04	.002	<.01	.1	<.01	2.4	<.1	.07	<1	<.5	2	<2	<2
A 185455	.9	57.1	.4	24	<.1	3449.8	135.1	1064	5.56	<.5	<.1	3.2	<.1	2	<.1	.1	<.1	2	.18	.001	<1	184.9	24.16	<1	.001	7	.02	.002	<.01	.3	.01	2.4	<.1	.09	<1	.7	4	39	33
A 185460	.9	6.2	.3	20	<.1	2330.9	111.8	1040	5.37	<.5	<.1	1.4	<.1	2	<.1	<.1	<.1	7	.15	.005	<1	172.8	23.49	3	.004	8	.14	.002	<.01	.2	.01	3.0	<.1	<.05	<1	<.5	<2	2	<2
A 185465	.4	8.2	.6	19	<.1	2290.7	108.1	1046	5.46	<.5	<.1	1.0	<.1	7	<.1	.1	.1	18	.58	.007	<1	394.4	23.50	8	.016	15	.37	.002	.01	<.1	<.01	3.4	<.1	.10	1	<.5	<2	3	2
A 185470	1.0	7.2	.5	22	<.1	2388.9	115.1	1002	5.41	<.5	<.1	<.5	<.1	2	<.1	.1	<.1	2	.20	.001	<1	128.3	23.62	<1	.002	4	.03	.002	<.01	.3	<.01	3.2	<.1	<.05	<1	<.5	<2	<2	<2
A 185475	.5	10.8	.5	20	<.1	2254.2	112.8	976	5.27	<.5	<.1	.7	<.1	9	<.1	.1	<.1	4	.63	.003	<1	184.6	21.60	5	.004	9	.11	.002	.01	.1	.01	3.0	<.1	.12	<1	<.5	<2	8	9
RE A 185475	.4	10.1	.5	20	<.1	2282.7	117.3	968	5.23	<.5	<.1	1.1	<.1	9	<.1	.1	<.1	3	.62	.003	<1	183.4	21.42	4	.004	8	.12	.002	.01	.1	<.01	2.8	<.1	.09	<1	<.5	<2	7	11
STANDARD DS	6.2	125.4	30.8	156	.3	33.3	11.6	787	3.14	21.4	5.8	25.9	3.5	27	5.0	4.4	5.0	72	.51	.081	16	158.5	.57	141	.081	1	1.70	.030	.14	3.7	.27	3.5	1.0	<.05	6	1.3	486	487	491

Standard is STANDARD DS4/FA-10R.

GROUP 10X - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: P1 TO P2 CORE P AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 8 2003 **DATE REPORT MAILED:** May 20/03 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA

SAMPLE#	Ni/S %	Ni/Ox %
A 185435	.156	.015
A 185440	.069	.028
A 185445	.126	.024
A 185450	.070	.025
A 185455	.142	.032
A 185460	.077	.027
A 185465	.099	.024
A 185470	.024	.020
A 185475	.069	.025
RE A 185475	.071	.025
STANDARD R-2	.297	.020

NI/S + NI/OXIDE : LEACHED WITH H2O2 + NH4 CITRATE. NI/OXIDE : LEACHED WITH NH4 CITRATE.
NI/S = (NI/S + NI/OXIDE) - NI/OXIDE.
- SAMPLE TYPE: P1 TO P2 CORE P
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 8 2003 DATE REPORT MAILED: May 27/03 SIGNED BY. ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
A 184561A	.1	17.0	.4	29	<.1	2047.2	102.4	1178	5.00	.6	<.1	<.5	<.1	1	<.1	<.1	<.1	3	.16	.001	<1	261.3	19.18	1	.003	4	.01	.001	<.01	<.1	.01	3.3	<.1	.15	<1	<.5	<2	6	12
A 1845618 PULP	.9	900.8	47.9	13	1.0	2738.7	123.4	304	5.40	16.2	.1	27.9	<.1	3	<.1	.5	.9	18	.15	.005	<1	348.7	7.62	50	.016	54	.31	.009	<.01	.3	.09	2.7	<.1	1.11	1	3.4	16	96	385
A 184562	.1	32.7	.7	22	<.1	1934.1	118.1	1131	5.56	1.6	<.1	1.5	<.1	4	<.1	<.1	<.1	8	.70	.002	<1	872.6	17.59	1	.005	17	.15	.001	<.01	<.1	.01	4.6	<.1	.23	1	.5	<2	<2	3
A 184563	.2	28.4	.5	19	<.1	1051.6	99.0	837	6.40	2.8	<.1	.9	<.1	19	<.1	<.1	<.1	21	2.90	.011	<1	336.1	10.72	59	.017	7	.47	.002	.15	<.1	.01	5.5	<.1	.19	1	<.5	<2	15	10
A 184564	14.0	18.9	4.2	84	<.1	606.9	65.6	1185	6.31	.9	<.1	1.0	.1	16	<.1	<.1	<.1	87	.76	.051	<1	314.4	7.91	943	.075	<1	4.84	.033	4.73	<.1	.01	8.1	1.1	<.05	7	<.5	<2	7	7
A 184565	.7	116.7	7.3	30	<.1	1170.8	106.0	1016	5.78	.5	<.1	<.5	<.1	5	<.1	<.1	<.1	17	.34	.002	<1	169.4	10.53	77	.007	1	.61	.004	.39	<.1	.01	2.8	.1	.49	3	<.5	<2	11	11
A 184566	.1	51.3	3.1	19	<.1	1187.2	101.7	850	5.40	1.0	<.1	<.5	<.1	6	<.1	<.1	<.1	13	.11	.001	<1	87.5	11.77	7	.006	3	.34	.001	.02	<.1	<.01	3.0	<.1	.27	2	<.5	<2	12	9
A 184567	<.1	93.0	1.7	14	.1	1472.0	113.6	523	6.36	2.1	<.1	1.7	<.1	27	<.1	<.1	<.1	11	2.58	.001	<1	146.1	8.83	4	.007	4	.08	.001	<.01	<.1	.01	4.5	<.1	.22	1	<.5	7	18	12
A 184568	.1	28.2	.5	25	<.1	1358.1	110.8	1709	7.35	1.8	<.1	.5	<.1	14	<.1	<.1	<.1	3	2.35	.001	<1	116.9	13.87	1	.004	7	.02	.001	<.01	.1	.01	3.4	<.1	.17	<1	<.5	<2	4	<2
A 184569	.1	15.7	.5	24	<.1	1272.3	112.9	1541	7.97	1.9	<.1	<.5	<.1	10	<.1	<.1	<.1	5	1.96	.001	<1	150.2	13.52	1	.005	7	.02	<.001	<.01	<.1	<.01	4.3	<.1	.16	<1	<.5	<2	2	<2
A 184570	.1	14.4	.3	32	<.1	1252.1	111.0	1539	6.93	1.6	<.1	.6	<.1	14	<.1	<.1	<.1	4	2.21	.001	<1	146.8	13.71	1	.006	5	.01	.001	<.01	<.1	<.01	4.5	<.1	.15	<1	<.5	<2	14	15
A 184571	.1	12.9	.2	33	<.1	1253.1	117.3	1660	7.67	1.2	<.1	.5	<.1	14	<.1	<.1	<.1	4	1.63	.001	<1	110.2	15.78	1	.008	4	.01	.001	<.01	<.1	.01	4.0	<.1	.12	<1	<.5	<2	2	<2
A 185480	<.1	573.6	1.4	22	.5	3443.7	163.3	954	5.60	.9	<.1	2.2	<.1	22	.2	.1	.3	20	.49	.018	<1	104.9	19.47	15	.025	9	.25	.002	.02	<.1	.03	3.5	<.1	.30	1	1.5	.3	38	46
A 185481	.1	497.6	.8	23	.4	3506.1	160.0	1026	5.57	1.1	<.1	5.4	<.1	6	.1	.1	.1	1	.17	.002	<1	88.8	21.78	1	.004	6	.03	.001	<.01	<.1	.01	2.7	<.1	.18	<1	.9	7	87	78
A 185482	.1	358.7	.6	24	.3	3054.3	144.5	952	5.09	3.8	<.1	11.6	<.1	4	.1	.1	<.1	2	.13	.002	<1	93.9	21.18	2	.006	6	.26	.001	<.01	<.1	.01	2.9	<.1	.14	1	.6	5	86	54
RE A 185482	.1	352.6	.6	24	.3	3191.1	151.8	971	5.21	4.0	<.1	32.1	<.1	4	.1	.1	<.1	3	.13	.002	<1	98.0	21.71	2	.004	4	.27	.001	<.01	<.1	.01	2.7	<.1	.12	1	<.5	7	45	44
RRE A 185482	.1	352.1	.7	24	.3	3273.6	151.0	924	4.96	4.0	<.1	4.5	<.1	4	.1	.1	<.1	3	.12	.002	<1	94.9	20.50	2	.002	5	.26	.001	<.01	<.1	.01	2.6	<.1	.14	1	.5	8	51	35
A 185483	.1	19.9	1.0	34	<.1	1864.5	108.3	1001	5.66	14.7	.1	<.5	.1	50	.1	.2	<.1	138	1.93	.056	1	90.0	15.81	81	.106	7	1.29	.020	.22	<.1	.01	7.4	.1	.11	2	<.5	<2	7	12
A 185484	<.1	40.6	1.1	22	<.1	3319.5	136.0	846	4.78	49.9	<.1	.7	<.1	7	<.1	.4	<.1	11	.10	.002	<1	157.1	19.55	8	.001	11	1.21	.003	.03	<.1	.01	4.1	<.1	.17	3	.7	<2	21	19
A 185485	<.1	116.2	.7	20	.1	2147.5	107.3	708	4.23	7.7	<.1	<.5	<.1	17	.1	.3	<.1	29	.45	.015	<1	240.2	14.15	8	.024	8	.97	.002	.01	<.1	.01	4.4	<.1	.12	2	<.5	<2	32	27
A 185486	.1	13.4	.3	21	<.1	2301.5	107.6	929	4.57	.6	<.1	<.5	<.1	7	<.1	.1	<.1	1	.18	.002	<1	78.0	21.59	1	.008	8	.04	.002	<.01	<.1	<.01	2.7	<.1	.12	<1	<.5	<2	<2	<2
A 185487	.1	18.7	.5	21	<.1	3301.0	115.9	941	4.39	.7	<.1	<.5	<.1	6	<.1	.1	<.1	1	.13	.001	<1	85.1	22.19	1	<.001	12	.04	.001	<.01	<.1	<.01	3.3	<.1	.13	1	<.5	<2	3	<2
A 185488	.1	3.8	.1	25	<.1	2243.5	108.5	974	4.68	.5	<.1	<.5	<.1	4	<.1	.1	<.1	1	.22	.002	<1	119.3	21.33	1	.006	10	.03	.001	<.01	<.1	<.01	3.0	<.1	.10	<1	<.5	<2	4	<2
A 185489	<.1	7.9	.4	21	<.1	2279.7	114.7	990	4.83	10.8	<.1	<.5	<.1	4	<.1	.1	<.1	7	.10	.004	<1	212.9	21.52	3	.004	13	.58	.002	.01	<.1	<.01	4.0	<.1	.12	2	.6	<2	<2	<2
A 185490	<.1	10.5	.2	23	<.1	2070.7	102.3	1010	4.83	<.5	<.1	.6	<.1	2	<.1	<.1	<.1	3	.21	.005	<1	99.4	21.78	1	.005	6	.07	.001	<.01	<.1	<.01	3.1	<.1	.08	<1	<.5	<2	<2	<2
A 185491	.1	13.7	.2	22	<.1	2072.5	102.3	912	4.39	.7	<.1	<.5	<.1	8	<.1	.1	<.1	2	.26	.001	<1	161.5	20.45	1	.004	9	.03	.001	<.01	<.1	<.01	2.6	<.1	.10	<1	.5	<2	<2	<2
A 185492	.1	17.2	1.1	21	<.1	2048.2	101.0	871	4.40	1.1	<.1	<.5	<.1	9	<.1	.1	<.1	11	.41	.010	<1	194.3	19.48	6	.014	11	.23	.007	.02	<.1	<.01	3.1	<.1	.12	1	<.5	<2	<2	<2
A 185493	<.1	8.0	.2	22	<.1	2247.2	106.9	902	4.42	.5	<.1	<.5	<.1	4	<.1	.1	<.1	1	.13	.002	<1	70.0	21.65	<1	.003	6	.01	.001	<.01	<.1	<.01	2.5	<.1	.06	<1	<.5	<2	<2	<2
A 185494	.1	5.6	.4	24	<.1	2386.2	114.0	983	4.85	7.2	<.1	<.5	<.1	11	<.1	.2	<.1	1	.18	.002	<1	70.8	22.23	1	.004	12	.06	.001	<.01	<.1	<.01	2.7	<.1	.09	1	<.5	<2	<2	<2
A 185495	.1	8.8	.2	21	<.1	2270.6	109.0	1009	4.82	2.0	<.1	<.5	<.1	8	<.1	.2	<.1	2	.25	.001	<1	129.1	22.03	1	.003	14	.06	.001	<.01	<.1	<.01	2.6	<.1	.09	1	<.5	<2	<2	<2
A 185496	.1	9.2	.4	17	<.1	2078.0	101.9	1048	4.92	<.5	<.1	1.0	<.1	10	<.1	<.1	<.1	6	.56	.002	<1	540.1	20.35	1	.005	22	.13	.001	<.01	<.1	<.01	3.8	<.1	.16	1	.7	<2	<2	<2
A 185497	<.1	25.8	1.0	20	<.1	1863.8	99.2	783	4.75	<.5	<.1	<.5	<.1	21	<.1	.1	<.1	32	.78	.022	<1	717.8	16.86	33	.023	22	.87	.029	.10	<.1	<.01	4.9	<.1	.13	2	.7	<2	<2	<2
A 185498	<.1	14.5	.2	20	<.1	2269.7	109.7	991	4.63	<.5	<.1	<.5	<.1	1	<.1	<.1	<.1	1	.09	.001	<1	150.4	21.14	<1	.003	7	.02	.001	<.01	<.1	<.01	2.2	<.1	.06	<1	<.5	<2	<2	<2
A 185499	.1	63.8	1.8	24	.1	2242.6	107.5	917	4.78	.7	<.1	<.5	.1	9	<.1	.1	<.1	26	.51	.022	<1	296.5	19.80	22	.028	13	.54	.002	.06	<.1	<.01	3.8	<.1	.11	1	.5	<2	<2	<2
STANDARD DS5/F	12.4	137.7	25.0	132	.3	24.7	11.9	741	2.81	17.3	6.3	40.2	2.7	47	5.5	3.6	5.9	58	.71	.091	12	179.2	.63	132	.092	18	1.97	.034	.14	4.6	.17	3.6	1.0	<.05	7	5.0	487	497	494

Standard is STANDARD DS5/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
A 185500	.2	5.0	.4	30	<.1	2159.3	110.6	1030	5.17	.9	<.1	<.5	<.1	2	<.1	.3	<.1	3	.26	.002	<1	424.3	22.13	1	.006	11	.03	.003	<.01	.1	<.01	3.8	<.1	.09	<1	.6	2	<2	2
A 185501	1.2	9.5	.2	23	<.1	2260.6	115.7	1009	5.05	.7	<.1	<.5	<.1	2	<.1	.1	<.1	2	.28	.002	<1	387.0	21.66	<1	.003	9	.02	.002	<.01	.2	<.01	3.7	<.1	.11	<1	.6	<2	<2	2
A 185502	.2	15.8	.2	20	<.1	2209.2	106.9	992	4.94	<.5	<.1	<.5	<.1	2	<.1	.1	<.1	3	.22	.002	<1	438.0	21.92	<1	.001	11	.04	.002	<.01	.1	<.01	3.1	<.1	.09	<1	.9	<2	3	2
A 185503	.9	27.1	1.2	24	<.1	1895.4	94.6	875	4.47	<.5	<.1	<.5	<.1	55	<.1	.1	<.1	21	.58	.032	<1	379.3	18.82	71	.018	10	.54	.052	.13	.1	<.01	5.0	<.1	.06	1	.5	<2	<2	<2
A 185504	.3	10.1	.2	20	<.1	2121.7	108.4	1010	4.97	<.5	<.1	<.5	<.1	2	<.1	.1	<.1	3	.22	.002	<1	311.1	21.83	1	.006	8	.04	.002	<.01	.1	.01	3.4	<.1	.06	<1	.5	4	<2	2
A 185505	.7	16.6	.4	18	<.1	1945.9	100.0	875	4.84	<.5	<.1	<.5	<.1	4	<.1	.2	<.1	9	.31	.004	<1	338.9	19.79	2	.013	13	.15	.002	<.01	.1	<.01	5.6	<.1	.09	<1	.8	9	<2	<2
A 185506	.2	14.4	.3	25	<.1	2353.0	122.4	1043	5.33	<.5	<.1	.8	<.1	1	<.1	.1	<.1	1	.12	.001	<1	135.9	21.95	<1	.006	9	.01	.001	<.01	.1	<.01	3.1	<.1	.06	<1	<.5	<2	<2	3
A 185507	.7	13.0	.6	23	<.1	2185.1	112.1	971	5.09	<.5	<.1	<.5	<.1	3	<.1	.3	<.1	8	.15	.007	<1	172.1	19.86	3	.011	15	.19	.008	.01	<.1	<.01	4.5	<.1	.09	1	.8	<2	<2	<2
A 185508	.4	5.6	.4	25	<.1	2135.1	108.4	954	4.71	<.5	<.1	<.5	<.1	1	<.1	<.1	<.1	<1	.19	.001	<1	92.3	20.32	<1	<.001	1	.01	.001	<.01	.1	<.01	2.2	<.1	<.05	<1	<.5	4	<2	<2
A 185509	.9	11.5	.2	21	<.1	1873.7	101.9	977	4.65	<.5	<.1	<.5	<.1	1	<.1	.1	<.1	2	.18	.001	<1	176.1	18.49	<1	.005	2	.02	.001	<.01	.1	<.01	3.1	<.1	<.05	<1	.6	4	<2	<2
A 185510A	.4	12.5	.3	23	<.1	2283.3	112.9	1014	5.17	<.5	<.1	<.5	<.1	5	<.1	.2	<.1	11	.42	.003	<1	357.4	20.89	1	.007	7	.11	.001	<.01	.1	<.01	3.6	<.1	.07	<1	.8	<2	<2	<2
A 185510B PULP	1.1	916.4	47.7	207	1.1	2810.6	127.0	315	5.59	19.6	.1	14.2	<.1	3	<.1	.5	.6	18	.14	.005	<1	371.7	7.84	52	.015	50	.30	.009	<.01	.3	.09	2.5	<.1	.95	<1	3.8	20	96	396
A 185511	1.0	8.6	.2	20	<.1	1979.0	112.7	971	5.50	<.5	<.1	<.5	<.1	3	<.1	<.1	<.1	5	.28	.002	<1	210.3	18.91	1	.003	5	.05	.001	<.01	.2	<.01	3.8	<.1	.06	<1	.8	<2	6	8
A 185512	.3	10.8	.3	22	<.1	2210.7	111.7	1021	5.00	<.5	<.1	.8	<.1	3	<.1	<.1	<.1	4	.30	.011	<1	172.4	19.82	1	.011	7	.28	.003	<.01	<.1	<.01	3.1	<.1	.06	1	.7	2	<2	<2
RE A 185512	.3	10.4	.4	22	<.1	2172.4	113.7	1003	5.03	<.5	<.1	<.5	<.1	4	<.1	<.1	<.1	4	.31	.010	<1	177.4	19.94	1	.011	5	.28	.002	<.01	.1	<.01	3.0	<.1	.06	1	.5	3	<2	6
RRE A 185512	.7	10.1	.3	22	<.1	2139.3	111.4	1025	5.06	<.5	<.1	<.5	<.1	4	<.1	<.1	<.1	5	.31	.011	<1	176.7	19.83	1	.009	7	.28	.002	<.01	.1	<.01	2.8	<.1	<.05	1	.5	2	<2	<2
A 185513	.1	10.8	.2	24	<.1	2297.8	111.5	1015	5.06	<.5	<.1	<.5	<.1	5	<.1	<.1	<.1	3	.31	.003	<1	105.6	21.56	1	.001	4	.05	.001	<.01	<.1	<.01	2.6	<.1	<.05	<1	.5	<2	<2	4
A 185514	.6	25.8	.5	22	<.1	2085.8	104.9	912	4.98	<.5	<.1	<.5	<.1	5	<.1	<.1	<.1	18	.47	.019	<1	121.5	17.90	4	.024	7	.41	.001	.01	.1	<.01	4.0	<.1	.09	1	.7	<2	<2	<2
A 185515	.2	24.9	.9	26	<.1	2089.3	108.2	954	5.23	<.5	<.1	<.5	<.1	3	<.1	<.1	<.1	20	.29	.014	<1	105.2	18.70	67	.024	7	.47	.005	.16	<.1	.01	3.6	<.1	.08	1	<.5	4	<2	<2
A 185516	.8	19.4	2.8	31	<.1	1895.2	101.3	883	4.76	<.5	<.1	<.5	<.1	42	<.1	<.1	<.1	11	.45	.025	<1	70.0	18.44	150	.018	1	.54	.034	.36	.2	<.01	2.4	.1	<.05	1	<.5	<2	<2	2
A 185517	.2	57.6	1.5	41	<.1	1662.4	89.6	798	4.84	<.5	<.1	.6	<.1	43	<.1	<.1	<.1	25	.68	.055	<1	99.0	14.91	258	.054	3	1.00	.032	.66	.1	<.01	3.0	.1	<.05	2	<.5	3	<2	<2
A 185518	.5	172.4	.9	29	.2	1926.3	125.2	850	5.23	<.5	<.1	5.8	<.1	8	.1	<.1	<.1	13	.27	.020	<1	116.0	15.43	160	.017	3	.79	.016	.55	.1	<.01	2.7	.1	.06	2	.8	9	35	41
A 185519	.2	117.8	1.0	36	.1	1976.0	132.6	1045	6.18	<.5	<.1	1.2	<.1	55	<.1	.1	<.1	14	.39	.016	<1	70.7	19.25	66	.013	7	.43	.047	.18	<.1	<.01	3.5	<.1	<.05	1	<.5	4	15	18
A 185520	.8	31.6	.2	31	<.1	2323.7	141.3	1116	6.13	<.5	<.1	1.2	<.1	2	<.1	.1	<.1	1	.09	.002	<1	72.4	21.86	1	.005	3	.01	.002	<.01	.1	<.01	2.3	<.1	<.05	<1	.6	5	13	28
A 185521	.2	506.9	1.0	23	.4	2157.1	120.5	885	5.45	<.5	<.1	2.0	.1	8	.2	<.1	.1	18	.24	.018	<1	103.8	19.36	10	.017	4	.45	.003	.02	<.1	.01	3.8	<.1	<.05	1	.7	5	<2	<2
A 185522	.8	20.8	.1	25	<.1	2347.3	121.8	1006	5.15	<.5	<.1	<.5	<.1	2	<.1	<.1	<.1	2	.11	.002	<1	81.3	22.05	<1	.004	1	.01	.001	<.01	.1	<.01	2.4	<.1	<.05	<1	<.5	<2	<2	<2
A 185523	.2	278.1	.5	26	.2	3641.0	127.1	967	5.33	<.5	<.1	10.2	<.1	3	<.1	.1	<.1	6	.21	.003	<1	147.0	20.06	2	.007	4	.09	.001	<.01	<.1	<.01	3.6	<.1	.13	<1	1.3	21	277	164
A 185524	.5	144.4	.4	35	.1	2778.8	130.1	970	5.39	<.5	<.1	4.7	<.1	7	.4	.4	<.1	2	.46	.001	<1	106.2	20.02	2	.004	11	.03	.002	<.01	<.1	.01	3.2	<.1	.14	<1	.9	4	30	39
A 185525	.2	73.5	1.1	30	.1	2196.4	116.1	1026	5.65	<.5	<.1	1.5	<.1	4	<.1	<.1	<.1	6	.23	.006	<1	89.7	19.62	12	.007	2	.13	.009	.03	.1	<.01	2.8	<.1	<.05	<1	.6	4	37	37
A 185526	1.0	45.3	1.0	35	<.1	2036.2	116.0	1047	5.91	<.5	<.1	<.5	<.1	7	<.1	<.1	<.1	20	.55	.018	<1	49.8	19.60	20	.012	2	.28	.049	.06	.1	<.01	3.2	<.1	<.05	1	<.5	3	<2	<2
A 185527	.3	58.9	.5	30	<.1	2159.9	118.8	999	5.45	<.5	<.1	1.2	<.1	2	<.1	<.1	<.1	2	.12	.003	<1	54.3	19.70	12	.003	1	.05	.003	.01	.1	<.01	2.0	<.1	<.05	<1	<.5	<2	10	11
A 185528	.8	124.0	.3	31	.1	2412.3	122.0	1115	5.87	<.5	<.1	1.8	<.1	2	<.1	<.1	<.1	3	.21	.003	<1	107.9	21.79	1	.004	2	.04	.001	<.01	.1	<.01	3.2	<.1	<.05	<1	.6	4	12	15
A 185529	.2	207.4	1.0	27	.2	2640.4	128.5	1101	6.45	<.5	<.1	3.4	<.1	<1	<.1	<.1	.1	2	.06	.002	<1	101.2	20.84	<1	.004	4	.01	.001	<.01	.1	<.01	2.3	<.1	.06	<1	1.2	3	22	23
A 185530	.7	301.8	.3	30	.1	2878.9	136.9	1133	6.23	<.5	<.1	19.2	<.1	1	.1	.1	.1	1	.11	.001	<1	88.9	21.15	<1	.002	8	.01	.001	<.01	.1	<.01	2.6	<.1	.09	<1	1.6	2	14	23
STANDARD DS5/F	12.8	138.6	25.3	131	.3	23.5	11.9	738	2.83	17.2	6.0	42.5	2.7	47	5.5	3.5	6.4	57	.71	.093	12	179.4	.63	133	.093	18	2.01	.034	.13	4.8	.17	3.3	1.0	<.05	7	5.0	490	484	492

Standard is STANDARD DS5/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data M FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
A 185531	.2	103.8	.6	37	.1	2195.0	133.5	1204	6.84	<.5	<.1	1.4	<.1	<1	.1	<.1	<.1	1	.07	.001	<1	64.9	22.40	<1	.004	2	<.01	.002	<.01	.1	<.01	2.3	<.1	<.05	<1	.6	4	5	6
A 185532	1.6	409.0	.6	34	.3	2520.6	144.8	1206	7.03	<.5	<.1	3.2	<.1	<1	.1	.1	.1	2	.06	.001	<1	145.0	22.36	<1	.006	7	.01	.002	<.01	.2	<.01	2.7	<.1	.07	<1	1.2	3	15	18
A 185533	.3	781.0	1.4	34	1.0	2875.7	161.6	1227	7.17	<.5	<.1	12.1	<.1	<1	.4	<.1	.3	1	.06	.001	<1	73.8	22.17	<1	.005	2	.01	.001	<.01	.1	<.01	6.7	<.1	.13	<1	1.9	12	51	63
A 185534	.2	126.7	.9	34	.1	1990.0	132.1	1170	6.65	<.5	<.1	1.7	<.1	<1	<.1	<.1	<.1	1	.06	.001	<1	78.2	21.26	1	.003	2	.01	.001	<.01	.1	<.01	2.3	<.1	<.05	<1	.7	5	13	14
A 185535	.4	280.0	1.9	24	.4	1915.2	112.5	799	6.42	<.5	<.1	3.3	<.1	166	.1	<.1	.1	25	.57	.025	<1	316.0	17.15	265	.025	14	.91	.047	.23	<.1	<.01	4.5	<.1	.11	2	1.7	3	17	25
A 185536	.2	410.7	.9	28	.2	2336.9	139.8	1266	6.96	<.5	<.1	2.3	<.1	1	.4	<.1	.1	3	.09	.001	<1	188.5	21.25	2	.002	6	.03	.001	<.01	<.1	<.01	2.9	<.1	.08	<1	1.4	3	31	31
A 185537	.7	329.6	.8	29	.2	2052.7	123.0	1164	6.66	<.5	<.1	1.4	<.1	2	.1	<.1	.1	3	.13	.002	<1	163.8	19.87	2	.002	5	.03	.002	<.01	.1	<.01	3.1	<.1	<.05	<1	.7	3	10	10
A 185538	.3	90.5	.5	33	.1	2214.4	123.3	1149	6.24	<.5	<.1	.9	<.1	1	<.1	<.1	<.1	1	.07	.001	<1	80.7	20.81	<1	.004	1	.02	.001	<.01	.1	<.01	2.3	<.1	<.05	<1	<.5	3	31	41
A 185539	.6	236.4	.9	29	.1	1998.8	115.2	1200	6.38	<.5	<.1	2.7	<.1	1	<.1	<.1	<.1	3	.15	.002	<1	181.8	20.88	<1	.004	9	.03	.001	<.01	.1	<.01	2.8	<.1	<.05	<1	1.2	5	6	9
A 185540A	.2	146.4	2.9	32	.1	1966.9	116.7	982	6.55	<.5	<.1	1.6	<.1	53	.1	<.1	.1	28	.86	.039	<1	435.7	16.51	145	.041	14	.88	.047	.38	<.1	<.01	3.6	.1	.09	2	1.6	3	39	38
A 185540B PULP	1.0	880.2	49.5	11	.9	2688.3	122.6	305	5.44	18.6	.1	13.2	<.1	3	<.1	.5	.7	17	.14	.005	<1	344.7	7.89	46	.012	50	.31	.008	<.01	.3	.08	2.3	<.1	.87	<1	3.2	14	90	384
A 185541	.1	437.6	2.4	26	.5	1409.0	84.7	508	4.87	<.5	<.1	9.3	<.1	63	.2	.1	.1	29	2.40	.023	<1	278.6	9.57	57	.034	10	.95	.009	.23	<.1	.01	6.0	.1	.13	2	1.4	7	19	18
A 185542	.3	146.7	.9	18	.2	3030.4	161.4	987	7.05	<.5	<.1	6.7	<.1	5	.1	.1	.1	6	.42	.002	<1	447.9	20.33	1	.002	19	.13	.001	<.01	<.1	<.01	3.5	<.1	.22	1	2.6	9	156	168
RE A 185542	.2	142.3	.9	18	.2	2934.9	158.9	961	6.85	<.5	<.1	7.2	<.1	4	.1	.1	.1	6	.40	.002	<1	443.4	19.80	1	.006	19	.12	.001	<.01	<.1	<.01	3.6	<.1	.21	1	2.3	6	176	206
RRE A 185542	.3	145.9	1.1	18	.2	2942.1	157.4	970	6.86	<.5	<.1	5.6	<.1	5	.1	.2	.2	6	.41	.001	<1	452.1	20.11	1	.008	17	.13	.001	<.01	<.1	<.01	3.3	<.1	.21	1	2.6	6	202	160
A 185543	.3	352.4	.9	22	.2	3042.0	150.9	1124	6.65	<.5	<.1	3.6	<.1	5	.2	.2	.1	2	.35	.002	<1	270.5	20.60	1	.005	16	.03	.001	<.01	<.1	<.01	3.1	<.1	.19	<1	2.0	5	280	214
A 185544	.5	442.7	.9	23	.2	1925.0	116.8	979	5.89	<.5	<.1	2.5	<.1	10	.2	.1	.2	3	.67	.002	<1	131.6	19.51	1	.008	17	.05	.002	<.01	<.1	.01	2.8	<.1	.14	<1	1.3	3	25	25
A 185545	.2	236.1	2.6	32	.2	2186.7	120.2	1100	6.40	<.5	<.1	5.5	<.1	6	.2	<.1	.1	9	.37	.010	<1	86.0	19.45	10	.010	8	.25	.028	.03	<.1	.01	2.7	<.1	.09	1	1.1	5	25	27
A 185546	.7	380.2	.7	36	.3	2819.3	142.9	1239	7.16	<.5	<.1	4.5	<.1	1	.1	<.1	.1	2	.12	.002	<1	77.1	22.20	<1	.006	4	.01	.001	<.01	.1	<.01	2.7	<.1	.11	<1	1.5	7	28	34
A 185547	.2	809.5	2.2	30	.7	3238.7	145.0	1091	6.99	<.5	<.1	7.7	<.1	1	.2	.1	.2	8	.15	.003	<1	188.3	18.60	3	.007	5	.09	.001	.01	<.1	.01	4.1	<.1	.27	<1	3.2	8	81	100
A 185548	.9	134.3	1.0	44	.1	1818.9	119.8	1123	6.68	<.5	<.1	2.7	<.1	7	.1	.3	<.1	10	.29	.011	<1	124.7	18.58	38	.009	2	.22	.028	.09	.1	<.01	3.3	<.1	<.05	1	.9	3	17	21
A 78862	.7	778.1	1.3	32	.5	3173.8	147.4	1106	6.08	<.5	<.1	4.4	<.1	1	.2	<.1	.2	2	.12	.003	<1	149.4	18.15	1	.002	6	.02	.003	<.01	.1	.01	3.2	<.1	.29	<1	3.4	5	250	218
STANDARD DS5/F	12.7	140.0	25.0	134	.3	23.2	12.2	769	2.95	17.8	6.2	39.8	2.6	47	5.6	3.6	6.0	60	.73	.093	12	185.9	.67	133	.098	18	2.08	.034	.14	4.4	.17	3.4	1.1	<.05	7	4.9	492	497	496

Standard is STANDARD DS5/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Cu %	Ni %	Co %	Sample gm
A 184561A	.002	.266	.012	2700
A 184561B PULP	.098	.303	.012	-
A 184562	.003	.222	.011	3300
A 184563	.003	.122	.010	3300
A 184564	.002	.067	.007	3000
A 184565	.013	.138	.010	2300
A 184566	.005	.143	.011	1500
A 184567	.010	.150	.011	2400
A 184568	.003	.167	.012	2600
A 184569	.001	.163	.012	2900
A 184570	.002	.160	.013	3300
A 184571	.001	.160	.013	1000
A 185480	.065	.430	.018	3300
A 185481	.055	.417	.017	3200
A 185482	.039	.382	.016	3300
RE A 185482	.039	.383	.016	-
RRE A 185482	.042	.383	.016	-
A 185483	.002	.203	.010	2600
A 185484	.004	.360	.014	2200
A 185485	.012	.250	.011	2600
A 185486	.001	.277	.011	3300
A 185487	.002	.362	.011	3100
A 185488	<.001	.267	.011	3400
A 185489	<.001	.256	.011	2600
A 185490	.001	.264	.012	3400
A 185491	.001	.260	.011	3100
A 185492	.001	.245	.010	3000
A 185493	.001	.271	.012	3300
A 185494	<.001	.261	.011	3300
A 185495	.001	.265	.011	3100
A 185496	.001	.242	.010	2900
A 185497	.003	.211	.009	2700
A 185498	.001	.268	.011	3000
A 185499	.006	.240	.010	3200
STANDARD R-2	.559	.368	.044	-

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

SAMPLE#	Cu %	Ni %	Co %	Sample gm
A 185500	<.001	.260	.011	3300
A 185501	.001	.265	.011	3000
A 185502	.002	.265	.011	3000
A 185503	.003	.219	.009	3100
A 185504	.001	.267	.011	3000
A 185505	.001	.237	.010	2900
A 185506	.001	.263	.012	3200
A 185507	.001	.244	.011	3100
A 185508	<.001	.269	.012	3300
A 185509	.001	.254	.012	3500
A 185510A	.001	.255	.011	3500
A 185510B PULP	.097	.304	.012	-
A 185511	.001	.233	.011	2800
A 185512	.001	.242	.011	2800
RE A 185512	.001	.242	.011	-
RRE A 185512	.001	.243	.011	-
A 185513	.001	.267	.011	3200
A 185514	.002	.232	.010	3000
A 185515	.002	.228	.011	3300
A 185516	.002	.214	.010	3400
A 185517	.005	.174	.008	3000
A 185518	.020	.222	.013	3000
A 185519	.013	.221	.013	2600
A 185520	.003	.269	.014	3200
A 185521	.052	.229	.011	2900
A 185522	.002	.266	.012	3100
A 185523	.030	.408	.013	3100
A 185524	.015	.308	.013	3000
A 185525	.008	.269	.012	3300
A 185526	.005	.246	.012	3000
A 185527	.007	.278	.014	3200
A 185528	.013	.264	.012	3200
A 185529	.021	.294	.013	3100
A 185530	.033	.313	.013	3100
STANDARD R-2	.557	.364	.044	-

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Cu %	Ni %	Co %	Sample gm
A 185531	.013	.279	.015	3300
A 185532	.045	.298	.016	3300
A 185533	.088	.344	.017	3400
A 185534	.016	.253	.015	3400
A 185535	.033	.221	.012	2700
A 185536	.048	.277	.015	3400
A 185537	.039	.236	.013	2700
A 185538	.010	.273	.014	3400
A 185539	.029	.247	.013	2800
A 185540A	.016	.207	.010	3100
A 185540B PULP	.101	.309	.014	-
A 185541	.049	.153	.008	2800
A 185542	.016	.332	.017	3100
RE A 185542	.016	.332	.016	-
RRE A 185542	.016	.332	.016	-
A 185543	.041	.340	.016	3000
A 185544	.051	.223	.012	3300
A 185545	.027	.249	.013	3200
A 185546	.044	.331	.015	3400
A 185547	.089	.364	.015	3200
A 185548	.015	.207	.012	3500
A 78862	.099	.395	.017	800
STANDARD R-2	.559	.362	.044	-

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data N FA ___

SAMPLE#	Ni/S %	Ni/Ox %
A 184285	.113	.018
A 184365	.067	.020
A 184505	.032	.016
A 184515	.049	.016
A 184525	.019	.016
A 184535	.032	.013
A 184545	.095	.009
A 184555	.034	.012
A 184565	.118	.011
A 185485	.122	.025
A 185495	.085	.026
A 185505	.113	.028
RE A 185505	.110	.028
A 185515	.083	.022
A 185525	.062	.026
A 185535	.161	.016
A 185545	.105	.025
STANDARD R-2	.305	.022

NI/S + NI/OXIDE : LEACHED WITH H2O2 + NH4 CITRATE. NI/OXIDE : LEACHED WITH NH4 CITRATE.
NI/S = (NI/S + NI/OXIDE) - NI/OXIDE.
- SAMPLE TYPE: P1 TO P6 CORE P
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 29 2003 **DATE REPORT MAILED:** Aug 13/03 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ___

(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A301997 Page 1

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
S1	.4	.5	11.8	1	.1	15.0	.1	4	.03	<.5	<.1	<.5	<.1	2	<.1	<.1	<.1	<1	.08	<.001	<1	1.2	.01	4	<.001	<1	.01	.385	<.01	.2	.01	<.1	<.1	<.05	<1	<.5	<2	<2	<2
C 150378	1.5	82.7	6.8	66	.2	54.8	36.1	1013	5.06	2.9	.1	10.0	.2	42	.2	1.2	<.1	88	1.81	.082	1	78.2	1.70	90	.290	2	1.79	.031	.06	.2	.01	3.9	.1	1.55	4	1.0	7	<2	<2
C 150379	29.1	89.4	17.9	172	.6	61.6	22.6	814	4.08	3.2	2.4	17.0	3.2	70	2.2	2.7	.1	46	2.71	.088	10	32.2	1.25	64	.085	1	1.30	.015	.23	2.8	.11	2.8	.2	2.26	3	5.1	20	2	2
C 150380	24.3	75.8	18.3	184	.7	64.9	15.7	779	3.45	24.2	2.7	10.8	4.8	74	2.9	1.2	.1	40	2.47	.073	14	21.7	1.13	100	.006	1	1.19	.019	.23	.4	.09	2.6	.2	1.93	3	9.9	12	<2	2
C 150381	35.1	125.0	473.1	1469	3.6	89.4	9.9	657	3.95	57.7	2.2	7.0	5.4	100	24.3	2.3	.2	103	1.46	.072	5	38.4	1.39	82	.006	1	1.02	.044	.24	2.6	.09	5.3	.2	2.24	5	17.8	8	<2	3
C 150382	17.0	102.4	1827.3	1009	10.0	121.2	16.6	974	3.55	98.7	1.5	21.4	2.5	220	18.2	6.1	1.8	49	2.53	.071	4	70.9	1.68	79	.003	5	.75	.029	.19	.3	.10	4.6	.1	2.18	3	31.2	14	5	3
C 150383	1.6	317.5	7.4	18	1.1	1191.4	155.6	730	4.43	821.1	.1	17.4	.2	169	.4	.5	.1	22	1.21	.003	<1	204.6	7.19	3	.001	1	.39	.002	<.01	.1	<.01	3.5	<.1	1.09	1	7.1	36	417	31
C 150384	3.8	99.8	211.6	250	1.9	58.6	12.4	1094	3.73	19.3	.8	4.9	4.2	140	3.9	1.3	.1	60	1.92	.065	5	30.6	1.64	65	.002	1	.93	.079	.12	.5	.02	6.4	.1	1.38	4	9.7	11	<2	<2
C 150385	3.4	86.7	8.5	95	.5	45.3	21.1	1532	4.31	24.2	.6	<.5	1.8	188	.6	.5	.1	153	2.42	.072	8	68.7	2.13	106	.013	2	2.05	.045	.11	.2	.01	14.3	.1	.68	8	3.2	3	2	4
C 152701	.3	42.9	2.8	36	<.1	2303.7	111.9	1342	6.24	1.2	<.1	1.0	<.1	2	<.1	.1	<.1	13	.17	.002	<1	441.1	22.26	2	.003	12	.05	.002	<.01	.1	<.01	3.0	<.1	.08	<1	.6	<2	4	2
C 152702	.4	41.8	.8	33	.1	2484.2	115.7	1329	5.91	2.0	<.1	<.5	<.1	5	<.1	<.1	<.1	16	.16	.003	<1	466.9	22.67	4	.005	19	.12	.002	<.01	.1	.01	4.3	<.1	.14	1	1.1	<2	<2	2
C 152703	.4	38.5	.8	28	<.1	2492.8	115.3	1411	6.60	1.9	<.1	.5	<.1	2	<.1	.1	<.1	37	.12	.005	<1	1088.3	23.09	1	.013	22	.23	.008	<.01	<.1	<.01	5.0	<.1	<.05	1	.9	<2	<2	<2
C 152704	.3	16.9	.7	36	<.1	2539.7	126.4	1454	6.47	1.4	<.1	.6	<.1	1	.1	<.1	<.1	18	.06	.003	<1	539.8	24.53	1	.005	11	.08	<.001	<.01	.2	<.01	3.8	<.1	<.05	<1	<.5	<2	12	6
C 152705	.2	11.7	8.7	42	<.1	2539.8	131.9	1386	6.71	1.0	<.1	<.5	<.1	1	<.1	<.1	<.1	11	.08	.002	<1	246.8	25.68	1	.003	8	.04	.001	<.01	<.1	<.01	3.8	<.1	.14	<1	<.5	2	2	3
C 152706	1.0	13.3	1.2	36	<.1	2269.4	127.5	1446	6.81	7.4	<.1	70.6	<.1	2	.1	<.1	<.1	15	.07	.002	<1	286.9	24.32	1	.003	15	.05	.001	<.01	.4	<.01	4.0	<.1	.24	<1	.6	82	2	3
C 152707	1.3	238.0	7.7	36	.1	1427.6	138.4	1026	7.83	8.7	<.1	19.2	<.1	6	.1	<.1	.1	94	.40	.008	<1	550.5	11.45	44	.039	6	.69	.002	.15	<.1	.01	7.0	<.1	.67	2	4.5	10	8	10
C 152708	.9	132.3	1.7	52	.1	2205.3	163.4	1600	8.36	3.4	<.1	42.7	<.1	1	.1	.1	<.1	40	.05	.006	<1	252.0	19.28	2	.008	6	.10	.001	<.01	.3	<.01	6.1	<.1	.21	<1	1.9	52	14	17
C 152709	1.3	86.3	1.6	44	.1	2260.1	130.9	1584	8.17	1.2	<.1	8.2	<.1	<1	<.1	<.1	<.1	46	.05	.003	<1	298.6	18.00	1	.008	6	.06	.001	<.01	.1	<.01	6.4	<.1	.21	<1	1.6	4	12	14
C 152710	2.3	100.6	1.2	41	.1	1350.4	108.7	1355	8.14	1.6	<.1	14.5	<.1	1	<.1	<.1	<.1	138	.12	.002	<1	511.5	11.32	1	.013	3	.11	.001	<.01	.1	<.01	6.9	<.1	.40	1	2.5	13	7	8
C 152711	3.3	199.7	2.0	39	.1	1244.0	117.0	1098	6.92	.5	<.1	3.1	<.1	1	<.1	<.1	<.1	121	.23	.002	<1	641.6	9.75	1	.013	2	.16	.001	<.01	<.1	<.01	7.4	<.1	.72	1	3.7	5	2	4
C 152712	.5	51.6	.3	33	<.1	1323.9	93.5	1379	7.03	<.5	<.1	2.1	<.1	1	<.1	<.1	<.1	49	.11	.002	<1	310.8	13.52	1	.009	4	.06	.002	<.01	.1	<.01	5.2	<.1	.12	<1	.8	<2	<2	<2
RE C 152712	.6	53.6	.3	36	<.1	1256.8	94.9	1313	6.74	<.5	<.1	<.5	<.1	1	<.1	<.1	<.1	49	.11	.002	<1	329.7	12.94	1	.009	5	.07	.002	<.01	.1	<.01	5.5	<.1	.14	<1	.7	<2	<2	<2
RRE C 152712	.6	57.0	.4	40	.1	1300.8	98.0	1343	6.94	<.5	<.1	1.9	<.1	1	<.1	<.1	<.1	52	.13	.002	<1	350.5	13.33	1	.009	5	.07	.002	<.01	.1	<.01	6.1	<.1	.15	<1	.8	<2	<2	<2
C 152713	.4	35.3	.2	42	.1	1852.1	111.0	1698	7.83	.5	<.1	<.5	<.1	<1	<.1	<.1	<.1	31	.05	.002	<1	286.7	17.79	1	.006	4	.04	.002	<.01	<.1	.01	5.8	<.1	.11	<1	.8	<2	3	2
C 152714	1.1	76.3	.6	40	.1	1695.2	106.9	1487	8.03	1.0	<.1	15.7	<.1	<1	<.1	<.1	<.1	48	.05	.003	<1	373.4	14.69	1	.008	6	.07	.001	<.01	.1	.01	6.1	<.1	.28	<1	1.4	15	6	5
C 152715	2.5	153.3	.5	28	.1	1623.9	98.5	972	6.41	<.5	<.1	2.5	<.1	1	.1	<.1	<.1	153	.14	.002	<1	685.8	9.35	3	.016	5	.21	.001	.01	<.1	.01	4.7	<.1	.53	1	2.9	3	60	55
C 152716	2.7	109.2	.8	61	.1	990.9	76.6	1369	7.47	<.5	<.1	6.2	<.1	20	.1	<.1	.1	267	.60	.088	<1	816.3	9.97	143	.058	4	1.46	.010	.36	<.1	<.01	8.5	.1	.31	4	2.6	4	5	7
C 152717	3.1	115.2	1.7	61	.1	999.3	80.3	1363	7.28	<.5	<.1	1.5	<.1	19	.1	<.1	<.1	278	.53	.079	<1	874.5	10.00	133	.049	6	1.33	.010	.34	<.1	<.01	8.2	.1	.29	4	3.1	<2	5	7
C 152718	1.6	33.6	.6	55	.2	1427.9	72.1	1507	6.62	.5	<.1	5.7	<.1	4	.1	<.1	.2	201	.15	.004	<1	887.6	13.76	5	.013	3	.32	.003	.03	<.1	<.01	9.1	<.1	<.05	1	1.2	4	3	2
C 152719	6.4	110.9	1.3	42	.1	1138.9	117.5	1315	8.08	<.5	<.1	<.5	<.1	3	.1	<.1	<.1	120	.14	.007	<1	498.3	11.98	5	.016	6	.25	.002	.02	<.1	.01	6.2	<.1	.57	1	4.4	<2	2	3
C 152720	10.5	106.3	1.4	40	.1	956.8	97.2	1071	6.58	<.5	<.1	1.3	<.1	3	.1	.1	<.1	214	.19	.002	<1	848.2	10.13	5	.011	8	.22	.004	.05	<.1	<.01	6.2	<.1	.48	1	4.6	<2	2	2
C 152721	7.9	149.8	.5	32	.1	1162.0	113.7	1002	6.82	<.5	<.1	.7	<.1	1	<.1	<.1	<.1	163	.20	.002	<1	858.2	9.71	2	.013	3	.21	.001	.01	<.1	<.01	6.1	<.1	.58	1	5.9	<2	2	3
C 152722	3.0	146.0	.3	21	<.1	912.1	105.8	760	6.67	<.5	<.1	.7	<.1	1	.1	<.1	<.1	132	.16	.002	<1	432.0	8.90	2	.012	4	.12	.002	<.01	<.1	<.01	5.9	<.1	.47	<1	4.4	<2	2	2
C 152723	3.3	124.5	.5	60	.1	1076.0	102.2	1580	7.51	<.5	<.1	1.7	<.1	5	<.1	<.1	.2	225	.16	.001	<1	1101.1	12.38	6	.012	10	.26	.003	.06	<.1	<.01	6.8	<.1	.38	1	3.4	<2	3	4
C 152724	2.3	60.6	.3	75	.1	1361.3	82.0	1525	6.83	<.5	<.1	1.1	<.1	3	<.1	<.1	.4	222	.10	.001	<1	934.7	13.93	4	.012	3	.25	.002	.03	<.1	<.01	10.6	<.1	.11	1	2.4	<2	2	2
STANDARD DS4/FA-10R	6.5	129.0	31.8	159	.4	35.1	12.3	795	3.09	22.8	6.3	29.6	3.6	29	5.0	4.4	5.5	78	.53	.089	17	163.4	.61	139	.085	3	1.78	.030	.15	3.9	.28	3.7	1.2	<.05	6	1.4	494	495	482

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: P1 TO P3 CORE P AU** PT** & PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (15 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

REVISED COPY

DATE RECEIVED: JUN 12 2003 DATE REPORT MAILED: June 24/03 SIGNED BY: C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

* for Au & Ag.

Data ✓ FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
C 152725	1.5	93.8	1.0	50	.2	1538.3	110.4	1246	7.26	1.2	<.1	6.2	<.1	4	.1	<.1	.1	159	.25	.005	<1	930.1	13.18	16	.019	5	.46	.003	.04	<.1	.01	9.9	<.1	.69	2	4.1	21	4	3
C 152726	2.9	94.6	.4	49	.1	1593.5	111.8	1491	8.29	<.5	<.1	<.5	<.1	1	<.1	<.1	.1	103	.04	.002	<1	501.7	14.06	1	.012	7	.11	.002	<.01	<.1	.01	7.1	<.1	.40	1	2.9	4	7	7
B 200101	.3	430.7	.9	28	.3	2230.7	139.3	1218	6.58	2.1	.1	8.3	.1	2	<.1	.6	.1	20	.12	.005	<1	1630.2	19.59	1	.018	84	.19	.001	<.01	.1	.01	3.0	<.1	.36	1	1.9	15	25	23
B 200102	.1	160.9	.7	29	.4	2116.2	125.4	1309	6.64	3.3	.1	.7	.1	2	<.1	.6	<.1	22	.07	.009	<1	1701.7	20.79	1	.017	95	.21	.001	<.01	.1	.01	3.6	<.1	.18	1	1.8	3	11	8
B 200103	.3	137.9	.7	28	.6	2609.5	108.6	1362	6.59	5.4	<.1	13.0	.1	1	<.1	.7	<.1	25	.02	.004	<1	1734.4	19.61	3	.019	103	.23	.001	<.01	.2	.02	2.9	<.1	.21	1	1.9	14	58	40
B 200104	.1	60.3	.4	25	.7	2890.6	115.8	1443	6.50	5.4	<.1	.9	<.1	<1	<.1	.9	<.1	24	.01	.003	<1	1543.3	21.12	3	.013	109	.14	.001	<.01	.1	.02	3.0	<.1	.21	<1	2.2	4	331	125
B 200105	.4	157.7	.5	37	.6	2171.5	108.7	1094	7.54	4.8	.1	14.7	.1	<1	.2	1.1	<.1	34	.02	.003	<1	1736.4	18.43	1	.023	118	.20	.001	<.01	.3	.02	4.1	<.1	.15	1	1.8	10	14	14
B 200106	1.0	213.9	.5	72	.8	1679.0	85.8	790	6.86	3.4	<.1	8.7	.1	17	.9	1.1	<.1	28	3.05	.003	<1	1437.6	15.12	6	.022	93	.23	.002	<.01	.1	.02	3.9	<.1	.09	1	1.5	13	68	61
B 200107	.2	48.5	.5	29	.4	2204.7	100.3	1329	6.55	3.9	<.1	7.7	.1	1	.1	.6	<.1	19	.02	.003	<1	1269.2	18.71	4	.019	83	.19	.001	<.01	.2	.01	3.2	<.1	<.05	<1	1.7	15	22	22
B 200108	.1	51.9	.2	19	.4	2232.1	104.0	1311	6.44	3.3	<.1	1.8	.1	1	<.1	.6	<.1	18	.03	.003	<1	1118.9	18.09	6	.016	69	.18	.002	.01	.1	.01	2.8	<.1	<.05	<1	1.6	8	36	33
B 200109 PULP	.2	738.2	1.5	11	.6	1009.8	38.6	133	3.43	<.5	1.2	34.8	.1	11	<.1	<.1	.1	17	.26	.007	<1	221.2	2.12	17	.028	<1	.35	.040	<.01	.1	.02	1.9	<.1	<.05	1	4.4	43	124	102
B 200110	.2	98.6	.4	28	.4	2024.9	109.4	1549	7.24	2.9	<.1	1.8	.1	3	.1	.4	<.1	18	.03	.007	1	980.9	17.15	19	.022	46	.22	.002	.04	.1	.01	3.3	<.1	<.05	1	1.5	3	30	38
B 200111	.1	114.8	.6	24	.4	2202.2	127.9	1601	7.23	2.9	<.1	1.7	.1	1	<.1	.3	<.1	16	.02	.003	<1	1060.1	17.54	7	.013	44	.12	.001	.01	.1	<.01	3.0	<.1	<.05	1	1.5	6	38	39
B 200112	.2	74.0	.3	25	.3	1639.4	110.3	1491	6.89	2.3	.1	<.5	.1	2	<.1	.3	<.1	17	.42	.006	<1	752.6	15.00	5	.014	48	.23	.002	<.01	.1	<.01	3.5	<.1	<.05	1	1.5	4	9	9
B 200113	.2	99.7	.4	26	.2	1734.2	110.2	1308	7.57	2.1	.1	1.5	.1	1	.1	.7	<.1	37	.03	.005	<1	1309.7	15.22	5	.025	73	.21	<.001	<.01	.1	<.01	5.0	<.1	.11	1	1.6	<2	11	11
B 200114	.1	90.5	.2	24	.4	1852.7	124.9	1569	7.20	2.3	<.1	<.5	<.1	2	<.1	.5	<.1	17	.48	.003	<1	1064.9	17.95	1	.013	57	.14	.001	<.01	.2	<.01	3.4	<.1	.10	1	1.8	3	17	18
B 200115	.1	30.3	.3	31	.3	1863.9	116.9	1553	6.78	1.9	<.1	<.5	.1	1	<.1	.5	<.1	23	.03	.004	1	1032.5	19.29	9	.022	57	.25	.001	.01	.2	.01	4.8	<.1	<.05	1	.9	<2	18	16
B 200116	1.1	160.2	.6	24	.5	2692.5	185.8	1426	9.31	2.3	.1	2.8	.1	1	.1	.8	<.1	28	.03	.006	<1	1113.0	16.64	1	.016	75	.14	.002	<.01	.3	.03	4.4	<.1	.32	1	2.8	3	22	33
B 200117	.2	209.0	.7	27	.5	2455.4	152.2	1631	7.18	2.5	.1	2.1	.1	1	<.1	1.2	<.1	28	.01	.005	1	1701.1	19.65	13	.026	123	.29	<.001	.02	.1	<.01	4.5	<.1	.22	1	2.9	4	39	46
B 200118	1.5	64.7	.5	29	.4	2931.0	173.4	1312	6.80	2.4	.1	1.5	.2	3	.1	.8	<.1	25	.12	.010	<1	906.0	16.83	8	.033	88	.38	.001	.01	.2	<.01	4.8	<.1	.31	1	2.9	4	128	41
RE B 200118	3.1	60.1	.4	29	.3	2841.6	163.2	1260	6.55	2.5	.1	1.7	.4	3	.1	.8	<.1	24	.11	.009	<1	861.6	16.16	7	.032	78	.36	.001	.01	.1	.01	4.4	<.1	.27	1	3.4	3	102	38
RRE B 200118	1.7	61.8	.4	35	.3	2800.6	167.6	1313	6.73	2.6	.1	1.0	.2	4	<.1	.9	<.1	25	.12	.010	<1	880.8	16.50	7	.035	85	.39	.002	.01	.2	<.01	5.3	<.1	.27	1	3.1	2	114	39
B 200119	.3	162.7	.4	21	.3	1827.5	122.6	1214	6.83	2.3	<.1	1.9	<.1	1	<.1	1.7	<.1	25	.03	.004	<1	1526.1	18.99	3	.015	130	.19	.002	<.01	.1	<.01	5.0	<.1	.09	1	1.6	3	6	5
B 200120	.3	199.8	.7	28	.3	2990.4	196.7	1315	7.33	2.3	<.1	3.1	.1	1	<.1	1.3	.1	17	.02	.005	<1	1336.6	18.72	7	.012	111	.14	.001	.01	.2	<.01	4.4	<.1	.35	1	3.4	4	15	17
B 200121	.2	85.2	.6	26	.3	2779.5	177.0	1384	6.99	2.8	<.1	6.2	.1	2	<.1	.6	.1	11	.02	.004	<1	710.0	17.04	7	.013	61	.13	.001	.02	.2	<.01	3.6	<.1	.28	<1	3.3	7	10	8
B 200122	.1	108.4	.6	25	.3	2991.8	157.8	1343	6.67	2.2	<.1	2.6	<.1	1	<.1	1.1	.1	12	.02	.004	<1	1010.7	17.99	5	.012	89	.13	.001	.01	.2	.01	3.2	<.1	.35	1	3.3	2	23	21
B 200123	.3	143.2	.5	21	.3	2814.7	133.2	1557	7.75	2.4	<.1	5.6	<.1	1	.1	1.8	.1	19	.04	.004	<1	1070.3	19.01	2	.016	106	.18	.001	.01	.2	<.01	3.7	<.1	.35	1	3.4	7	24	26
B 200124	.1	81.1	1.8	18	.2	2563.2	129.6	1218	7.12	1.8	<.1	2.5	.1	1	<.1	1.3	<.1	14	.01	.003	<1	896.0	18.29	7	.012	97	.16	<.001	.02	.1	.01	3.4	<.1	.31	<1	2.6	<2	17	18
B 200125	.4	219.0	.9	27	.3	3236.5	178.4	1199	7.99	2.6	.1	6.5	.1	4	.1	2.2	.1	12	.08	.006	<1	965.1	18.75	11	.014	144	.19	.001	.03	.2	<.01	3.7	<.1	.54	<1	3.6	7	21	26
B 200126	.4	200.6	1.0	22	.1	2789.2	145.0	1458	9.42	2.3	<.1	5.8	.1	1	.1	2.7	.1	13	.01	.004	<1	1309.6	19.23	4	.010	138	.14	.001	.01	.2	<.01	3.0	<.1	.41	1	2.9	4	24	26
B 200127	.4	157.3	.6	25	.3	2663.4	127.2	1459	7.72	3.4	<.1	7.0	.1	1	<.1	2.4	.1	12	.02	.005	<1	1560.6	21.80	4	.011	119	.15	<.001	.01	.3	.01	2.7	<.1	.25	<1	2.7	7	29	34
B 200128	.2	138.9	.7	27	.2	3174.8	162.8	1405	7.64	3.2	<.1	3.1	.1	1	.1	3.5	.1	11	.01	.004	<1	1128.9	21.02	4	.009	146	.13	.002	.01	.2	.01	3.4	<.1	.43	1	4.0	3	39	36
B 200129	.3	100.2	.6	25	.2	2866.0	160.8	1236	7.67	4.6	<.1	1.6	.1	1	<.1	4.9	.1	12	.02	.006	<1	1107.2	22.19	6	.010	186	.15	.002	.02	.3	.01	3.9	<.1	.40	1	3.3	2	17	16
B 200130	.5	277.7	.6	25	.5	3241.9	173.6	1076	6.98	5.3	<.1	6.3	<.1	1	<.1	5.8	.1	13	.02	.004	<1	1716.9	21.43	7	.010	212	.14	.002	.02	.3	<.01	3.6	<.1	.41	1	3.8	3	32	30
STANDARD DS4/	6.8	130.6	30.7	164	.3	35.1	12.6	852	3.25	22.5	6.3	29.4	3.7	29	5.4	4.4	5.2	75	.55	.089	16	172.2	.62	140	.091	1	1.84	.031	.16	3.5	.30	3.5	1.2	<.05	6	1.6	504	473	484

Standard is STANDARD DS4/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
B 200131	1.2	113.0	.8	25	.3	2359.8	172.8	1355	7.39	6.0	<.1	6.9	.1	1	.1	6.3	.1	17	.02	.004	<1	1083.7	21.46	5	.010	158	.11	.002	<.01	.4	.01	3.5	<.1	.53	<1	2.5	8	21	18
B 200132	.7	254.3	.7	22	.4	2716.3	164.0	1003	6.98	5.7	<.1	3.5	.1	6	<.1	6.3	.1	16	.50	.003	<1	1532.6	18.97	3	.010	162	.12	.003	<.01	.3	.01	2.9	<.1	.53	<1	2.2	5	12	11
B 200133	.8	184.3	.8	30	.4	2733.4	165.0	1621	6.89	5.2	<.1	4.4	.1	2	.1	4.6	<.1	12	.03	.005	<1	1765.8	20.85	8	.010	150	.12	.002	.01	.4	.01	2.9	<.1	.37	1	2.3	7	20	29
B 200134	.3	376.7	.8	28	.6	3970.7	227.4	980	6.93	6.4	<.1	4.6	.1	4	.1	5.4	.1	10	.17	.003	<1	1844.9	21.53	2	.008	172	.12	.001	<.01	.4	.02	3.0	<.1	.62	1	3.5	4	22	22
B 200135	1.2	169.2	1.1	39	.6	3810.5	204.7	1399	6.48	7.9	<.1	9.3	.1	3	.1	6.6	.1	10	.14	.004	<1	1625.9	22.16	3	.009	179	.10	<.001	<.01	.5	.01	3.0	<.1	.58	1	3.0	7	71	51
B 200136	.2	106.0	.7	25	.4	2124.7	130.2	1153	6.47	7.5	.1	2.8	.1	2	<.1	6.6	<.1	13	.04	.004	<1	2079.5	21.74	8	.012	179	.17	.001	.02	.4	.03	3.7	<.1	.21	1	1.7	2	6	6
B 200137	2.7	124.0	.7	33	.5	2221.3	130.8	1246	5.72	9.1	<.1	3.4	.1	6	<.1	8.2	.1	13	.38	.005	<1	1952.7	21.98	4	.009	190	.16	.001	<.01	.6	.04	3.3	<.1	.29	1	1.7	68	10	8
B 200138	.4	42.9	.6	18	.3	2349.5	105.1	1353	6.42	8.0	<.1	4.4	.1	1	<.1	5.9	.1	16	.03	.005	1	1705.8	21.32	5	.011	152	.27	.001	.01	.4	.02	2.5	<.1	.23	1	1.4	10	37	27
A 206935	<.1	146.0	.8	27	.1	1321.0	109.6	895	8.18	1.2	<.1	3.0	<.1	8	.1	.4	.1	46	1.17	.004	<1	1090.6	12.46	6	.014	54	.26	.004	<.01	.1	<.01	6.2	<.1	.57	1	1.4	<2	7	7
A 206936	.1	150.2	.6	35	.1	1222.0	104.5	615	6.64	2.7	.1	<.5	.1	42	.3	.3	<.1	64	2.46	.010	<1	925.3	8.92	11	.023	22	1.19	.007	<.01	.1	.02	5.8	<.1	.47	2	2.3	<2	19	12
A 206937	<.1	105.3	.8	21	.1	1474.6	97.6	836	7.81	2.5	.1	<.5	.1	38	<.1	.2	<.1	70	2.38	.011	<1	888.9	12.02	9	.041	24	.68	.006	<.01	<.1	.01	7.4	<.1	.35	1	1.6	<2	11	16
A 206938	.2	140.4	1.0	44	.1	1811.2	136.0	982	8.43	17.8	<.1	<.5	<.1	4	.1	.3	<.1	49	.73	.005	<1	841.2	11.33	4	.012	32	.17	.003	<.01	.1	.01	5.7	<.1	.45	1	2.7	<2	6	8
A 206939	.3	106.5	.6	80	.1	1490.9	104.9	1392	7.93	3.9	<.1	1.5	<.1	4	.3	.2	<.1	57	.77	.004	<1	713.6	11.70	6	.012	37	.15	.003	<.01	<.1	.01	6.4	<.1	.35	1	1.5	3	3	3
A 206940	.2	75.8	.3	41	.2	1587.1	97.2	1324	7.62	4.1	<.1	.8	<.1	4	.2	.2	<.1	52	.43	.005	<1	812.8	11.77	5	.012	43	.18	.003	<.01	<.1	.01	6.8	<.1	.32	1	1.3	<2	4	4
A 206941	.1	58.8	.3	35	.3	1710.0	91.9	1269	7.41	3.9	<.1	<.5	<.1	4	.1	.3	<.1	72	.28	.004	<1	1075.5	13.42	4	.013	48	.25	.003	<.01	<.1	.01	6.5	<.1	.23	1	2.0	<2	3	3
A 206942	.1	67.0	.8	82	.1	1113.4	78.1	1168	6.95	6.4	<.1	<.5	<.1	106	.2	.1	<.1	104	2.72	.010	<1	846.4	9.24	13	.015	15	1.06	.009	<.01	<.1	<.01	5.9	<.1	.27	2	1.7	<2	3	2
A 206943	.1	77.8	.5	106	<.1	831.8	78.0	980	5.98	<.5	<.1	1.5	<.1	18	.5	.1	.1	121	.76	.003	<1	1027.1	8.50	6	.013	10	.34	.010	<.01	<.1	.01	4.6	<.1	.38	1	1.2	<2	3	4
A 206944	.7	60.8	.3	61	<.1	1084.9	73.9	935	5.56	4.9	<.1	1.0	<.1	4	.2	.1	.1	97	.33	.003	<1	1042.0	8.93	5	.011	10	.32	.006	<.01	<.1	<.01	4.3	<.1	.39	1	2.2	<2	2	3
A 206945	5.0	122.7	.9	39	.2	1006.1	67.1	898	5.83	2.6	<.1	25.2	<.1	4	.1	.1	.1	175	.51	.002	<1	1095.0	7.98	5	.017	10	.37	.010	<.01	<.1	.02	3.9	<.1	.76	1	2.2	6	3	3
A 206946	3.5	174.3	.6	47	.1	1210.6	82.7	876	5.94	6.0	<.1	1.0	<.1	4	.3	.1	.1	139	.40	.003	<1	1026.9	8.05	4	.016	9	.38	.007	<.01	<.1	<.01	3.5	<.1	1.07	1	3.6	11	26	53
A 206947	8.2	1048.2	2.8	37	.5	2103.6	162.8	801	6.85	<.5	.1	7.6	.1	8	.1	.1	.1	137	.81	.004	<1	1203.7	7.34	7	.015	11	.49	.012	<.01	<.1	<.01	4.7	<.1	1.99	1	7.5	27	10	29
A 206948	1.0	326.1	1.5	35	.1	1427.5	131.2	869	6.50	2.5	<.1	6.6	<.1	23	.3	.8	.1	30	2.69	.005	<1	1846.1	16.16	3	.017	137	.18	.004	<.01	.2	<.01	5.3	<.1	.65	1	2.5	7	6	7
RE A 206948	1.0	320.4	2.0	33	.1	1399.3	129.7	862	6.39	3.6	<.1	6.2	<.1	23	.2	.7	.1	29	2.66	.006	<1	1816.6	15.98	4	.016	121	.18	.003	<.01	.2	.01	5.0	<.1	.56	1	2.5	11	6	6
RRE A 206948	.8	323.7	1.4	31	.1	1401.3	119.1	859	6.39	2.1	<.1	1.7	<.1	20	.3	.8	.1	28	2.64	.005	<1	1602.7	16.06	3	.016	110	.18	.004	<.01	.2	<.01	4.3	<.1	.54	1	2.0	4	6	7
A 206949	.7	239.2	1.3	38	.1	1771.5	195.0	1371	7.97	1.4	<.1	.6	<.1	2	.1	.8	.1	17	.15	.004	<1	1674.5	20.80	4	.014	146	.17	.002	<.01	.2	.01	4.1	<.1	.68	1	2.9	4	8	10
A 206950	.7	287.1	1.3	34	.1	1973.4	188.1	1277	7.24	1.9	<.1	2.1	.1	2	<.1	.6	.1	14	.11	.006	<1	1696.1	21.03	4	.015	138	.19	.003	<.01	.1	.01	4.1	<.1	.57	1	3.3	2	7	11
STANDARD DS4	6.5	126.9	31.4	164	.2	37.0	11.7	806	3.19	22.5	5.9	28.0	3.6	27	4.9	4.1	5.0	79	.55	.090	16	161.4	.60	138	.085	1	1.74	.030	.15	3.4	.27	3.5	1.1	<.05	6	1.5	500	481	488

Standard is STANDARD DS4/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

REVISED COPY * for FA

Data FA

(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A301997 Page 1

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Cu %	Ni %	Co %
SI	<.001	<.001	<.001
C 150378	.008	.006	.003
C 150379	.009	.007	.002
C 150380	.007	.007	.001
C 150381	.011	.011	.001
C 150382	.010	.013	.001
C 150383	.034	.116	.013
C 150384	.010	.007	.001
C 150385	.008	.005	.002
C 152701	.004	.230	.011
C 152702	.004	.254	.011
C 152703	.004	.246	.012
C 152704	.001	.264	.013
C 152705	.001	.254	.012
C 152706	.001	.229	.013
C 152707	.024	.147	.013
C 152708	.013	.214	.014
C 152709	.009	.220	.012
C 152710	.010	.132	.010
C 152711	.020	.122	.010
C 152712	.005	.124	.009
RE C 152712	.005	.127	.009
RRE C 152712	.006	.129	.009
C 152713	.003	.180	.011
C 152714	.008	.166	.011
C 152715	.016	.162	.009
C 152716	.012	.100	.008
C 152717	.012	.102	.008
C 152718	.003	.135	.007
C 152719	.011	.115	.011
C 152720	.011	.097	.009
C 152721	.015	.114	.010
C 152722	.015	.094	.010
C 152723	.012	.103	.009
C 152724	.007	.135	.008
STANDARD R-2	.565	.373	.045

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
- SAMPLE TYPE: P1 TO P3 CORE P Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 12 2003 **DATE REPORT MAILED:** June 19/03 **SIGNED BY.** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Cu %	Ni %	Co %
C 152725	.009	.153	.009
C 152726	.010	.168	.010
B 200101	.044	.226	.013
B 200102	.017	.210	.012
B 200103	.016	.280	.011
B 200104	.007	.302	.012
B 200105	.017	.226	.010
B 200106	.024	.194	.008
B 200107	.006	.233	.010
B 200108	.006	.238	.011
B 200109 PULP	.074	.112	.004
B 200110	.012	.216	.011
B 200111	.013	.231	.012
B 200112	.008	.173	.011
B 200113	.011	.182	.011
B 200114	.010	.201	.012
B 200115	.003	.206	.012
B 200116	.016	.288	.017
B 200117	.022	.253	.013
B 200118	.006	.303	.015
RE B 200118	.005	.306	.015
RRE B 200118	.006	.302	.015
B 200119	.017	.194	.011
B 200120	.020	.311	.017
B 200121	.008	.312	.017
B 200122	.011	.326	.015
B 200123	.017	.311	.014
B 200124	.009	.265	.012
B 200125	.024	.338	.016
B 200126	.022	.294	.015
B 200127	.019	.276	.013
B 200128	.014	.344	.015
B 200129	.009	.297	.014
B 200130	.031	.340	.015
STANDARD R-2	.568	.378	.046

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Cu %	Ni %	Co %
B 200131	.011	.242	.016
B 200132	.026	.285	.015
B 200133	.019	.287	.016
B 200134	.041	.404	.021
B 200135	.017	.401	.019
B 200136	.010	.213	.012
B 200137	.012	.232	.012
B 200138	.005	.242	.012
A 206935	.014	.146	.010
A 206936	.014	.129	.009
A 206937	.010	.152	.009
A 206938	.013	.182	.012
A 206939	.011	.153	.010
A 206940	.008	.168	.009
A 206941	.006	.168	.009
A 206942	.006	.121	.007
A 206943	.008	.092	.008
A 206944	.006	.118	.007
A 206945	.013	.108	.006
A 206946	.018	.129	.007
A 206947	.110	.230	.015
A 206948	.036	.157	.012
RE A 206948	.035	.152	.012
RRE A 206948	.036	.152	.012
A 206949	.027	.188	.020
A 206950	.032	.208	.018
STANDARD R-2	.568	.386	.047

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A301997 Page 4

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Ni/S %	Ni/Ox %
C 150385	.003	<.001
C 152705	.049	.023
C 152715	.150	.009
C 152725	.150	.005
B 200105	.218	.013
B 200115	.134	.009
B 200125	.328	.020
B 200135	.391	.018
A 206935	.138	.007
A 206945	.110	.005
RE A 206945	.111	.004
STANDARD R-2	.301	.020

NI/S + NI/OXIDE : LEACHED WITH H2O2 + NH4 CITRATE. NI/OXIDE : LEACHED WITH NH4 CITRATE.
NI/S = (NI/S + NI/OXIDE) - NI/OXIDE.
- SAMPLE TYPE: P1 TO P3 CORE P
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 12 2003 **DATE REPORT MAILED:** June 26/03 **SIGNED BY.** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ___

(ISO ... Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A301996 Page 1

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
SI	.1	.3	.2	<1	<.1	.5	<.1	3	.02	.7	<.1	<.5	<.1	2	<.1	<.1	<.1	4	.10	.001	<1	4.6	<.01	2	.002	3	.01	.462	.02	<.1	<.01	.3	<.1	.08	<1	<.5	<2	<2	<2
C 150290	.4	74.7	.5	41	.1	1117.4	123.6	1623	8.07	2.1	<.1	1.7	<.1	<1	.1	<.1	<.1	12	.04	.004	<1	595.2	20.79	1	.009	16	.03	.007	.01	<.1	<.01	3.3	<.1	.38	<1	1.2	12	3	3
C 150291	.8	92.4	.4	42	.1	1220.7	129.9	1659	8.27	1.7	<.1	<.5	<.1	<1	<.1	.1	<.1	11	.04	.004	<1	699.4	20.51	1	.009	17	.03	.004	<.01	.1	<.01	3.9	<.1	.28	<1	1.0	<2	6	7
C 150292	.4	161.5	.6	38	.1	1840.8	157.8	1488	8.09	.7	<.1	2.7	<.1	11	<.1	<.1	.1	11	.21	.003	<1	647.5	19.75	2	.007	14	.04	.001	<.01	<.1	<.01	3.6	<.1	.59	<1	2.6	3	13	16
C 150293	.8	115.9	.5	41	.1	1373.0	134.7	1579	8.24	1.0	<.1	2.4	<.1	2	.1	<.1	<.1	18	.13	.003	<1	797.2	20.20	1	.004	23	.04	.001	<.01	<.1	<.01	3.6	<.1	.47	<1	1.5	<2	5	5
C 150294	.3	163.4	1.2	39	.1	1471.4	124.6	1584	8.32	1.0	<.1	3.2	<.1	<1	.1	<.1	<.1	17	.03	.002	<1	838.1	20.65	1	.004	20	.04	.001	<.01	<.1	<.01	3.5	<.1	.45	<1	1.8	2	3	3
C 150295	.7	161.8	4.7	40	.1	1348.8	130.6	1275	8.18	1.7	<.1	1.9	<.1	3	.1	.1	<.1	49	.40	.023	<1	1186.1	17.18	8	.029	32	.68	<.001	.02	<.1	.01	5.1	<.1	.51	2	2.0	<2	8	7
C 150296	.9	163.7	4.3	31	.1	1489.5	139.2	1424	8.95	1.0	<.1	3.1	<.1	1	.1	.1	<.1	35	.04	.003	<1	1319.6	18.80	1	.006	37	.12	<.001	<.01	<.1	.01	4.3	<.1	.61	1	2.0	3	6	6
C 150297	1.3	144.7	3.7	38	.1	1326.1	117.3	1126	7.83	1.3	<.1	<.5	<.1	1	.2	.1	<.1	41	.19	.009	<1	1167.3	16.47	1	.012	37	.28	.001	<.01	<.1	<.01	4.6	<.1	.59	1	1.7	<2	5	5
C 150298	.6	112.0	2.1	40	.1	1627.7	149.7	1528	8.16	1.5	<.1	<.5	<.1	<1	<.1	<.1	<.1	24	.06	.003	<1	974.7	18.44	1	.004	31	.07	.001	<.01	<.1	<.01	5.1	<.1	.60	<1	2.1	2	7	6
C 150299	.8	77.0	3.1	40	.2	1705.7	124.5	1685	8.04	2.2	<.1	<.5	<.1	<1	.1	<.1	<.1	23	.04	.003	<1	799.7	21.64	1	.004	21	.05	.001	<.01	.1	<.01	3.8	<.1	.28	<1	1.3	2	11	10
C 150300 PULP	.2	739.2	1.4	11	.6	1003.4	36.8	132	3.50	.6	.8	38.7	.1	12	<.1	<.1	.1	21	.27	.008	<1	213.9	2.15	18	.033	2	.36	.039	.01	<.1	.02	2.4	<.1	.23	1	4.5	41	138	111
C 150301	.4	63.8	2.4	44	.1	1689.8	120.2	1615	7.50	1.6	<.1	.9	<.1	<1	.1	<.1	<.1	18	.05	.003	<1	658.8	21.59	1	.007	18	.04	.001	<.01	<.1	<.01	4.2	<.1	.27	<1	1.2	2	8	7
C 150302	1.2	62.4	2.1	45	.1	1327.5	124.9	1462	7.19	1.3	<.1	.8	<.1	<1	<.1	<.1	<.1	20	.08	.004	<1	681.8	17.42	1	.002	19	.06	<.001	<.01	.2	<.01	4.5	<.1	.37	<1	.9	2	9	6
C 150303	.8	55.3	.8	47	.1	1646.2	113.4	1890	8.21	1.3	<.1	1.7	<.1	<1	.1	<.1	<.1	26	.06	.003	<1	695.2	21.42	1	.005	23	.07	.001	<.01	<.1	<.01	5.1	<.1	.31	<1	1.5	2	12	14
C 150304	4.4	152.3	1.8	41	<.1	1223.2	117.1	1565	8.83	.7	<.1	1.7	<.1	1	.1	<.1	<.1	47	.11	.004	<1	794.5	15.94	5	.009	18	.09	.001	.01	.1	<.01	4.5	<.1	.75	<1	2.0	12	5	6
C 150305	3.6	143.5	1.3	20	<.1	655.6	81.2	619	5.40	1.0	<.1	<.5	<.1	7	.1	<.1	<.1	93	.51	.002	<1	679.7	7.54	3	.009	11	.12	.002	<.01	<.1	<.01	4.1	<.1	.74	<1	2.5	5	2	3
C 150306	3.8	108.1	1.3	40	<.1	725.9	77.9	971	5.02	1.4	<.1	1.3	<.1	3	.1	<.1	<.1	109	.46	.001	<1	904.3	7.36	3	.017	7	.18	.003	<.01	<.1	<.01	3.2	<.1	.73	1	2.3	3	3	3
RE C 150306	4.1	120.3	1.2	45	.1	742.7	87.4	959	4.92	1.3	<.1	.9	<.1	3	.1	<.1	<.1	107	.45	.002	<1	1008.1	7.24	3	.016	8	.18	.003	<.01	<.1	<.01	3.0	<.1	.82	1	2.3	2	2	3
RRE C 150306	4.0	118.7	1.0	41	<.1	783.4	84.8	1012	5.22	1.3	<.1	3.9	<.1	3	.2	<.1	<.1	114	.49	.002	<1	939.1	7.56	3	.019	7	.19	.002	<.01	<.1	<.01	3.3	<.1	.78	1	2.4	2	4	3
C 150307	5.4	198.0	.9	24	<.1	598.5	112.6	704	6.80	<.5	<.1	2.2	<.1	2	.2	.1	<.1	84	.30	.004	<1	588.7	7.87	2	.011	6	.11	.002	<.01	<.1	.01	4.7	<.1	1.10	1	3.0	4	4	7
C 150308	6.5	210.5	1.0	70	<.1	1367.7	138.2	1078	8.28	<.5	<.1	1.9	<.1	1	.8	<.1	<.1	71	.17	.003	<1	551.7	10.51	2	.014	11	.09	.001	<.01	<.1	<.01	5.9	<.1	1.23	<1	4.2	3	6	9
C 150309	1.3	55.7	.6	33	.2	1637.9	96.4	1197	7.37	1.3	<.1	<.5	<.1	1	.1	<.1	.1	69	.08	.003	<1	690.0	12.46	2	.013	13	.10	<.001	<.01	<.1	<.01	6.2	<.1	.25	1	1.1	17	17	2
C 150310	1.7	49.2	1.2	40	.2	1513.5	96.4	1014	6.77	1.5	<.1	4.9	<.1	32	.1	.1	<.1	96	.39	.016	<1	1512.7	14.59	5	.035	60	.37	.001	.01	<.1	<.01	8.8	<.1	.32	1	1.4	2	3	2
C 150311	2.1	49.8	.6	31	.2	1435.2	100.1	850	6.42	1.0	<.1	<.5	<.1	3	.1	.1	<.1	87	.23	.003	<1	1310.3	13.18	2	.016	34	.11	.001	<.01	<.1	<.01	8.2	<.1	.29	1	1.5	<2	3	2
C 150312	1.7	53.4	1.1	25	.2	1538.9	93.7	739	6.05	.6	<.1	.5	<.1	3	.1	.1	<.1	90	.32	.003	<1	1036.6	11.36	2	.015	18	.13	.001	<.01	<.1	.01	7.5	<.1	.30	1	1.3	2	3	4
C 150313	2.2	52.9	.6	26	.2	1527.2	88.1	775	6.06	<.5	<.1	2.1	<.1	1	.2	<.1	<.1	86	.17	.002	<1	981.9	10.81	2	.013	14	.13	.001	<.01	<.1	<.01	6.2	<.1	.36	1	1.4	2	2	2
C 150314	2.2	66.0	.6	28	.2	1477.0	108.1	759	6.08	.5	<.1	3.6	<.1	1	.1	<.1	<.1	79	.12	.004	<1	1029.4	10.57	1	.014	14	.11	.001	<.01	<.1	<.01	7.2	<.1	.39	1	1.5	<2	6	6
C 150315	1.2	91.2	.5	28	.1	1513.5	114.8	1243	6.56	.5	<.1	1.7	<.1	<1	<.1	<.1	<.1	50	.05	.003	<1	662.1	12.19	<1	.010	13	.09	<.001	<.01	<.1	<.01	6.3	<.1	.49	<1	1.4	2	7	7
C 150316	1.0	51.4	.4	27	.1	1566.3	98.0	1148	6.23	.6	<.1	.8	<.1	<1	<.1	<.1	<.1	61	.07	.003	<1	679.6	12.04	<1	.012	8	.09	.001	<.01	<.1	<.01	6.3	<.1	.30	1	1.2	<2	4	4
C 150317	2.2	69.8	.5	20	.1	1301.6	90.7	775	5.88	<.5	<.1	1.4	<.1	1	<.1	<.1	<.1	75	.21	.003	<1	730.6	9.76	1	.014	9	.12	.001	<.01	<.1	.01	5.8	<.1	.38	<1	1.2	<2	3	3
C 150318	2.5	85.7	.5	25	.1	1593.9	110.9	1245	6.55	<.5	<.1	1.5	<.1	1	<.1	<.1	<.1	48	.05	.004	<1	729.9	13.45	1	.015	16	.09	.001	<.01	<.1	.01	6.0	<.1	.38	<1	1.4	4	13	14
C 150319	3.3	64.3	.6	22	.1	1705.0	103.4	1038	6.40	<.5	<.1	2.0	<.1	1	<.1	<.1	<.1	69	.08	.003	<1	836.0	13.58	2	.012	16	.10	.001	<.01	<.1	<.01	6.8	<.1	.24	1	1.3	<2	5	5
C 150320	1.6	33.2	.4	35	.2	1733.5	113.2	1623	6.62	.5	<.1	2.4	<.1	1	<.1	.1	<.1	80	.05	.004	<1	1470.4	18.08	1	.015	44	.10	<.001	<.01	<.1	<.01	6.5	<.1	.16	1	.5	2	4	4
C 150321	1.0	76.5	.7	29	.1	1639.1	108.6	1383	6.93	.7	<.1	1.7	<.1	1	<.1	<.1	.1	64	.07	.004	<1	742.1	14.81	1	.013	20	.09	<.001	<.01	.1	<.01	6.2	<.1	.28	<1	1.8	<2	4	4
STANDARD DS4/	6.8	130.2	31.4	159	.3	37.2	12.2	828	3.26	23.1	6.2	25.7	3.8	30	5.3	4.3	5.3	79	.55	.096	17	166.5	.62	143	.095	2	1.76	.032	.17	3.5	.27	3.8	1.1	.07	6	1.5	479	488	478

Standard is STANDARD DS4/FA-10R.

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: P1 TO P4 CORE P AU** PT** & PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (15 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 12 2003 **DATE REPORT MAILED:** June 19/03 **SIGNED BY.....** C.D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
C 150322	1.5	160.7	.5	44	.1	1978.1	123.0	1681	7.48	1.2	<.1	4.1	<.1	1	.1	.1	.1	68	.15	.004	<1	1359.3	19.69	2	.009	42	.11	<.001	<.01	<.1	.02	6.9	<.1	.17	1	1.3	3	9	10
C 150323	.7	75.7	.6	44	.1	1823.0	105.5	1747	7.28	1.7	<.1	1.4	<.1	2	.1	.1	.1	62	.30	.005	<1	1216.9	19.50	2	.013	35	.11	.001	<.01	<.1	.03	6.4	<.1	.15	1	.6	<2	7	8
C 150324	.7	92.8	.4	43	.1	2003.2	103.1	1833	7.80	1.8	<.1	2.6	<.1	1	.1	.1	.2	59	.13	.003	<1	1119.4	20.86	2	.010	26	.12	.001	<.01	.1	.01	5.8	<.1	.09	1	.9	9	11	10
C 150325	.5	42.3	.9	37	.1	1885.0	106.4	1627	7.67	1.8	<.1	1.8	<.1	1	<.1	.1	.1	81	.07	.004	<1	1216.1	17.87	2	.010	34	.10	<.001	<.01	<.1	.01	6.1	<.1	.13	1	.9	3	3	3
C 150326	.9	39.6	1.2	31	.1	1768.5	85.4	1448	8.08	1.8	<.1	1.7	<.1	1	<.1	.1	.1	89	.05	.003	<1	1297.5	17.05	1	.012	35	.11	<.001	<.01	<.1	<.01	5.1	<.1	.12	1	1.2	<2	3	2
C 150327	.9	151.3	1.2	28	.2	1794.1	94.3	688	7.50	2.6	<.1	4.0	<.1	2	.1	.2	.2	104	.03	.004	<1	1713.0	14.60	1	.011	37	.17	.001	<.01	<.1	.01	5.4	<.1	.18	1	.9	2	13	19
C 150328	.8	65.8	4.9	55	<.1	38.1	14.9	475	2.67	.5	.1	1.5	.2	159	.1	.1	.1	57	1.17	.117	1	28.2	1.19	172	.115	3	1.79	.098	.94	.4	.01	2.6	.3	<.05	5	<.5	<2	<2	<2
C 150329	.7	48.3	3.6	40	<.1	8.5	8.9	341	1.74	<.5	.1	.9	.2	161	.1	<.1	.1	42	1.17	.095	1	8.9	.84	73	.081	1	1.50	.118	.52	.6	.02	2.1	.2	<.05	3	<.5	<2	<2	<2
C 150330 PULP	.2	728.6	1.4	14	.5	973.8	40.0	114	3.35	<.5	1.0	62.5	.1	11	<.1	<.1	.1	18	.22	.007	<1	201.6	2.01	21	.023	1	.33	.046	.01	.1	.01	2.4	<.1	.19	1	4.4	47	136	106
C 150331	.4	72.1	2.4	21	.1	1888.1	94.9	514	6.87	3.3	<.1	5.1	<.1	4	<.1	.1	.2	71	.07	.006	<1	1488.7	14.30	5	.013	54	.27	<.001	.01	<.1	<.01	5.8	<.1	.28	1	1.3	4	9	12
C 150332	.6	31.4	.5	31	.1	1996.3	93.8	968	7.49	2.9	<.1	2.8	<.1	2	.1	.2	.1	77	.05	.004	<1	1644.2	17.14	5	.015	78	.18	<.001	.01	<.1	.01	8.3	<.1	.16	1	1.4	3	4	4
C 150333	.8	34.3	.4	75	.2	1807.6	90.4	1065	7.48	2.6	<.1	1.5	<.1	6	.3	.1	.1	73	.15	.004	<1	1605.4	17.50	3	.018	74	.20	<.001	<.01	<.1	<.01	7.9	<.1	.12	1	1.6	<2	3	2
C 150334	1.0	36.7	.5	21	.1	2019.0	97.6	1465	8.78	3.1	<.1	.9	<.1	1	<.1	.2	.1	64	.12	.004	<1	1581.0	18.72	4	.016	80	.19	<.001	.01	.1	<.01	7.3	<.1	.17	1	1.5	<2	5	4
C 150335	.7	58.5	.6	32	.1	2269.2	135.4	1478	7.20	2.3	<.1	1.1	<.1	1	<.1	.1	.1	40	.11	.007	<1	930.3	16.63	5	.012	39	.12	.002	.01	<.1	.02	6.7	<.1	.29	1	1.7	6	9	9
C 150336	1.2	26.0	.5	46	.1	1960.9	103.5	1852	8.13	1.6	<.1	1.1	<.1	1	<.1	.1	<.1	31	.10	.005	<1	833.4	19.25	9	.010	22	.11	.003	.02	.3	.01	4.1	<.1	.06	1	.6	5	7	6
C 150337	.5	44.6	.3	42	.1	1756.9	98.4	1654	8.07	1.3	<.1	1.2	<.1	1	<.1	.1	.1	45	.13	.005	<1	863.2	18.67	7	.006	26	.15	<.001	.02	<.1	.02	4.2	<.1	.14	1	.9	3	7	7
C 150338	1.1	60.7	.4	45	.1	1935.1	112.4	1608	7.29	1.8	<.1	.7	<.1	1	.1	.1	.1	44	.09	.005	<1	1009.0	17.76	4	.010	35	.11	.001	.01	.2	<.01	4.9	<.1	.17	<1	1.0	<2	5	7
C 150339	.5	143.4	.6	57	.1	1666.4	105.9	1358	7.65	1.4	<.1	2.4	<.1	1	.1	.1	.1	45	.06	.005	<1	1101.2	16.19	6	.008	36	.11	<.001	.01	.1	.01	5.3	<.1	.22	<1	1.0	3	6	6
C 150340	1.1	118.8	.5	51	.1	2307.1	136.7	1658	8.06	1.8	<.1	1.4	<.1	<1	.1	.1	.1	36	.05	.004	<1	1168.2	17.67	1	.005	31	.10	.003	<.01	.1	.01	4.8	<.1	.26	1	1.1	21	17	23
C 150341	.4	258.9	.6	29	.1	2180.8	134.0	1617	8.60	1.3	<.1	2.0	<.1	<1	<.1	.1	.1	28	.03	.004	<1	1394.8	16.61	1	.011	32	.10	.001	<.01	<.1	<.01	5.5	<.1	.29	1	1.0	5	16	16
C 150342	.4	109.6	.3	38	.1	1725.8	123.9	1874	8.36	1.8	<.1	<.5	<.1	1	<.1	.1	.1	19	.02	.003	<1	1322.8	17.28	2	.005	29	.07	.001	<.01	.1	.01	4.2	<.1	.14	<1	1.0	<2	7	6
RE C 150342	.4	110.2	.4	36	.1	1667.2	127.0	1793	7.98	1.7	<.1	1.5	<.1	1	<.1	.1	<.1	18	.02	.004	<1	1318.2	16.43	1	.005	30	.07	.001	<.01	.1	.01	4.1	<.1	.17	1	.7	<2	6	6
RRE C 150342	.3	109.8	.3	36	.1	1689.2	122.8	1824	8.09	1.4	<.1	.8	<.1	1	<.1	.1	<.1	18	.02	.003	<1	1332.3	16.86	1	.009	27	.07	<.001	<.01	.1	.01	4.0	<.1	.08	1	.7	5	6	5
C 150343	.1	534.5	.5	24	.1	1701.5	126.2	1438	7.98	1.4	<.1	1.6	<.1	4	<.1	.1	.1	26	.02	.004	<1	1769.4	16.12	2	.012	48	.15	.001	<.01	<.1	.01	4.7	<.1	.28	1	1.2	<2	8	9
C 150344	1.9	357.0	.5	36	.1	1515.7	185.2	1566	8.80	.7	<.1	2.2	<.1	<1	.1	.1	.1	21	.02	.004	<1	1385.4	15.13	2	.010	33	.12	<.001	<.01	<.1	<.01	5.1	<.1	.43	<1	1.1	<2	43	54
C 150345	.3	536.2	.6	23	.1	1342.7	133.2	1193	7.51	.9	<.1	3.1	<.1	<1	.1	.1	.1	22	.02	.004	<1	1648.1	15.33	1	.007	42	.11	.001	<.01	.1	.02	4.6	<.1	.31	1	1.2	<2	6	15
C 150346	.1	647.8	1.0	46	.2	1280.9	126.2	959	7.92	1.0	<.1	4.2	<.1	1	.1	.2	.1	34	.04	.004	<1	1884.8	14.02	2	.013	50	.15	.001	<.01	<.1	<.01	4.0	<.1	.29	1	1.0	3	5	10
C 150347	1.5	35.9	.9	62	<.1	434.0	52.5	754	3.95	12.6	<.1	1.9	.1	111	.2	.6	.1	38	.95	.106	1	346.1	4.67	353	.097	7	2.47	.009	1.15	.2	.01	2.0	.6	<.05	3	<.5	<2	2	4
C 150348	.4	368.0	.6	28	.2	1175.3	142.2	921	7.90	1.6	<.1	.9	<.1	1	.1	.2	.1	24	.05	.006	<1	1430.9	13.50	3	.009	44	.12	.001	.01	<.1	<.01	3.4	<.1	.22	1	.9	<2	15	26
C 150349	.3	162.2	.4	31	.1	1533.2	113.9	1391	7.31	2.4	<.1	<.5	<.1	1	<.1	.3	<.1	27	.09	.006	<1	1628.0	15.59	2	.008	50	.13	.001	.01	.1	<.01	3.9	<.1	.07	1	.7	<2	10	16
C 150350	.2	45.9	.2	44	.1	1600.3	103.9	1805	7.80	1.3	<.1	<.5	<.1	1	<.1	.1	<.1	25	.11	.004	<1	1066.6	18.03	4	.004	25	.11	<.001	.01	<.1	<.01	3.5	<.1	<.05	<1	<.5	<2	5	4
C 150351	.7	29.5	.2	49	<.1	1673.4	125.7	1909	8.32	1.8	<.1	<.5	<.1	<1	.1	<.1	<.1	21	.08	.004	<1	994.5	18.74	3	.006	18	.09	<.001	<.01	.2	<.01	4.5	<.1	<.05	1	<.5	<2	7	5
C 150352	.1	51.3	.2	37	<.1	1674.3	106.2	1755	8.16	1.1	<.1	.7	<.1	<1	<.1	<.1	<.1	23	.10	.004	<1	1063.4	18.10	2	.007	21	.09	<.001	<.01	<.1	<.01	3.9	<.1	<.05	1	.5	<2	8	8
C 150353	.4	23.0	.1	34	.2	1665.7	103.4	1618	7.58	1.4	<.1	.8	<.1	1	.1	.1	<.1	20	.11	.003	<1	1031.4	17.18	4	.010	23	.11	.001	<.01	.2	.01	3.4	<.1	<.05	1	<.5	<2	7	6
STANDARD DS4/	6.2	120.0	30.5	156	.3	34.7	11.6	784	3.12	21.5	5.9	28.3	3.5	27	5.0	4.4	4.9	73	.51	.085	15	163.0	.58	139	.089	1	1.74	.032	.15	3.5	.27	3.6	1.1	.07	5	1.3	509	488	468

Standard is STANDARD DS4/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data___ FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
C 150354	.6	46.1	.4	35	.1	1738.7	123.1	1576	8.06	1.0	<.1	<.5	<.1	1	<.1	.1	.1	22	.27	.007	<1	1300.1	16.68	5	.013	21	.17	.001	.01	.2	.01	4.0	<.1	.08	1	.6	<2	15	10
C 150355	.1	50.5	.2	39	<.1	1565.4	112.0	1644	7.97	.6	<.1	<.5	<.1	2	<.1	.1	.1	21	.23	.007	<1	1265.5	17.75	7	.015	19	.18	<.001	.01	<.1	.01	3.7	<.1	<.05	1	.5	<2	14	19
C 150356	.5	94.3	.2	37	<.1	1514.1	106.5	1693	8.16	.9	<.1	<.5	<.1	1	<.1	.1	.1	22	.16	.005	<1	1709.6	18.56	8	.008	26	.15	.001	.02	.1	.01	3.6	<.1	<.05	1	<.5	<2	10	13
C 150357	2.4	866.0	.6	33	.5	4861.1	264.4	1103	10.23	.7	<.1	4.3	<.1	2	<.1	.1	.1	60	.68	.005	<1	2182.2	11.37	10	.039	19	.46	.001	.02	<.1	.01	6.0	<.1	1.40	1	4.8	4	204	247
C 150358	.6	65.5	.3	34	.1	1646.0	108.5	1683	7.94	.8	<.1	<.5	<.1	1	<.1	<.1	.1	19	.07	.003	<1	1353.4	17.68	4	.005	20	.11	.001	.01	.1	.01	4.2	<.1	<.05	<1	<.5	<2	11	15
C 150359	.2	53.1	.2	33	.1	1731.0	119.1	1508	7.58	1.2	<.1	<.5	<.1	1	<.1	.1	.1	23	.06	.005	<1	1944.2	16.01	2	.009	29	.13	<.001	<.01	<.1	.01	4.7	<.1	<.05	1	.8	<2	39	56
C 150360 PULP	1.8	549.5	17.9	21	.4	1644.3	73.6	389	4.43	1.2	.1	6.2	.1	8	.1	.4	.3	25	.36	.005	<1	622.1	5.89	12	.020	9	.81	.018	.04	.2	.06	2.8	.2	.33	2	1.4	6	120	309
C 150361	.5	46.2	.2	28	.1	1484.1	104.2	1588	6.59	1.7	<.1	<.5	<.1	1	<.1	.1	.1	20	.06	.004	<1	2194.7	18.01	2	.008	32	.10	<.001	.01	.1	.01	3.9	<.1	<.05	1	<.5	<2	8	13
C 150362	.1	31.7	.2	50	.1	1444.8	102.3	1630	6.89	1.1	<.1	3.0	<.1	1	<.1	.1	.1	25	.20	.005	<1	2035.6	19.22	3	.012	30	.11	<.001	.01	<.1	<.01	3.9	<.1	.06	<1	.5	11	12	17
C 150363	.4	72.5	.1	38	.1	1635.2	118.4	1764	7.92	1.2	<.1	<.5	<.1	1	<.1	.1	<.1	18	.06	.003	<1	1534.7	16.97	2	.008	24	.10	<.001	<.01	.1	<.01	4.7	<.1	<.05	<1	.6	<2	14	11
C 150364	.1	152.7	.3	38	.1	1802.9	123.7	1859	7.33	1.5	<.1	<.5	<.1	1	<.1	.1	.1	21	.07	.004	<1	1790.5	16.61	3	.011	36	.11	<.001	.01	<.1	.01	5.4	<.1	.08	1	.8	<2	8	10
C 150365	.4	169.6	1.0	31	.2	1703.4	114.9	1664	7.72	1.7	<.1	<.5	<.1	1	.1	.1	<.1	22	.06	.003	<1	2155.9	16.97	3	.012	46	.13	<.001	.01	.2	.02	4.7	<.1	<.05	1	1.1	<2	13	15
C 150366	.1	88.0	.2	27	.2	1860.6	125.0	1332	7.67	1.8	<.1	<.5	<.1	1	<.1	.1	.1	18	.03	.003	<1	1226.9	14.38	3	.008	28	.09	<.001	<.01	<.1	<.01	4.7	<.1	.07	<1	1.2	<2	14	17
C 150367	.6	82.0	.3	42	.2	1881.0	112.2	1699	7.19	2.0	<.1	<.5	<.1	1	<.1	.2	.1	22	.05	.004	<1	1614.3	15.77	3	.009	38	.11	<.001	<.01	.1	.01	5.2	<.1	.09	1	1.1	<2	12	14
C 150368	.9	167.5	.6	63	.3	2040.3	116.9	1232	6.84	2.0	.1	<.5	.1	3	.3	.2	.1	38	.61	.014	<1	2113.7	15.40	5	.021	54	.45	.001	.01	<.1	<.01	6.1	<.1	.21	1	1.6	<2	20	22
C 150369	.4	199.3	1.3	27	.2	1860.4	114.5	1425	7.88	2.0	<.1	<.5	<.1	1	<.1	.4	.1	26	.12	.005	<1	2244.7	17.76	3	.010	58	.17	.001	<.01	.1	<.01	4.6	<.1	.20	1	1.2	<2	21	28
RE C 150369	.4	192.2	.7	26	.2	1814.1	115.2	1399	7.72	1.7	<.1	1.4	<.1	1	<.1	.2	<.1	25	.11	.005	<1	2189.8	17.35	3	.009	65	.16	.001	<.01	.2	<.01	5.0	<.1	.18	1	1.5	2	21	28
RRE C 150369	.5	197.9	.5	26	.2	1855.4	113.7	1416	7.83	1.6	<.1	.7	<.1	1	.1	.2	.1	26	.11	.005	<1	2240.9	17.67	3	.014	68	.17	.001	<.01	.1	<.01	4.9	<.1	.24	<1	1.2	<2	31	35
C 150370	.2	150.1	.7	28	.1	1937.7	134.3	1702	7.46	1.1	<.1	2.7	<.1	1	<.1	.2	.1	23	.12	.004	<1	2153.3	18.21	2	.009	69	.13	.001	<.01	.1	<.01	4.3	<.1	.32	1	1.3	<2	36	24
C 150371	.1	168.1	1.2	42	.2	1746.7	116.0	1839	7.17	1.7	<.1	3.6	<.1	1	<.1	.1	<.1	25	.14	.004	<1	2140.6	16.81	2	.009	36	.10	.002	<.01	<.1	<.01	5.1	<.1	.14	<1	.9	2	9	10
STANDARD DS4/	6.3	127.2	31.5	156	.3	34.1	11.8	780	3.06	22.5	6.0	25.0	3.4	27	5.0	4.9	5.1	73	.52	.086	15	161.4	.57	136	.086	1	1.76	.030	.15	3.7	.27	3.7	1.1	.06	6	1.3	489	482	473

Standard is STANDARD DS4/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data___ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
152748	1.3	474.8	.7	42	.2	1771.5	147.5	1506	8.12	.9	<.1	2.4	<.1	1	<.1	<.1	<.1	12	.04	.003	<1	529.0	19.99	4	.006	7	.08	.001	.02	.6	<.01	4.2	<.1	.61	<1	2.6	4	24	16
152749	.1	1026.9	1.2	45	.5	2419.2	165.8	1440	8.24	.6	<.1	3.6	<.1	1	.2	<.1	.1	12	.04	.004	<1	505.9	18.40	12	.003	5	.12	.001	.04	<.1	<.01	3.5	<.1	.93	<1	4.4	4	30	33
152750	1.1	1414.7	3.6	45	1.2	2460.8	162.0	1362	8.30	.5	<.1	7.6	<.1	5	.4	<.1	.1	12	.10	.012	<1	660.6	16.80	40	.013	7	.34	.003	.19	.6	.01	3.6	.1	.99	1	5.4	7	14	13
152751	.1	1540.9	9.4	42	1.5	1887.7	120.6	957	6.90	<.5	<.1	12.3	<.1	34	.6	<.1	.2	23	.31	.048	<1	444.4	11.84	77	.034	4	.82	.007	.44	<.1	<.01	3.1	.2	.83	2	5.1	15	9	10
152752	1.1	1190.6	2.9	43	1.2	2352.0	154.3	1558	8.41	<.5	<.1	10.2	<.1	1	.5	<.1	.2	9	.04	.003	<1	374.0	19.00	9	.008	4	.10	<.001	.02	.5	<.01	3.9	<.1	.80	<1	4.5	12	24	24
152753	.1	579.9	1.5	46	.7	1749.0	141.4	1628	8.25	.9	<.1	86.9	<.1	1	.2	<.1	.1	12	.03	.003	<1	356.1	20.59	9	.003	4	.11	.001	.03	<.1	<.01	4.5	<.1	.44	<1	2.0	6	24	24
152754	1.4	375.6	1.1	41	.4	1852.6	130.2	1610	8.09	.9	<.1	5.5	<.1	2	.1	<.1	.1	10	.05	.004	<1	358.1	20.26	11	.005	5	.12	.001	.03	.6	<.01	4.0	<.1	.37	<1	1.7	5	38	41
152755	.1	189.8	.6	24	.2	1506.4	88.8	825	5.64	.6	<.1	1.6	<.1	9	<.1	<.1	<.1	50	.18	.021	<1	957.0	12.80	26	.017	6	.85	.001	.10	<.1	<.01	3.6	<.1	.21	2	1.0	3	16	16
152756	1.1	284.5	.6	40	.3	1387.6	104.6	1293	7.12	.7	<.1	2.2	<.1	2	.1	<.1	<.1	51	.10	.004	<1	372.4	15.30	22	.013	5	.26	<.001	.07	.6	<.01	3.6	<.1	.25	1	1.2	8	31	28
152757	.1	226.6	.7	46	.3	1701.5	121.7	1657	8.07	.7	<.1	8.2	<.1	1	.1	<.1	<.1	15	.04	.003	<1	294.4	20.71	11	.005	3	.11	.001	.04	<.1	<.01	3.5	<.1	.16	<1	.9	4	16	13
152758	1.1	621.1	1.5	46	.9	2252.9	135.2	1551	7.93	1.1	<.1	8.1	<.1	1	.3	<.1	.1	10	.06	.003	<1	476.3	19.10	14	.009	5	.12	.001	.04	.7	<.01	3.7	<.1	.48	<1	2.9	6	19	21
152759	.1	411.6	1.1	43	.4	1932.9	127.5	1513	7.78	1.4	<.1	2.8	<.1	4	.2	.1	.1	16	.38	.009	<1	559.4	18.20	11	.010	11	.19	.001	.03	<.1	<.01	4.3	<.1	.43	1	2.4	4	9	10
152760 PULP	.2	752.8	1.4	14	.6	993.9	37.5	125	3.48	.8	1.1	36.9	.1	12	<.1	<.1	.1	19	.24	.007	<1	210.2	2.11	20	.027	<1	.35	.044	.01	.1	.02	2.6	<.1	.17	1	4.1	44	150	113
152761	1.3	985.3	1.3	46	.3	1346.4	152.7	1514	8.37	.9	<.1	3.3	<.1	1	.1	<.1	<.1	14	.05	.003	<1	1004.7	18.94	7	.006	14	.11	.001	.02	.5	<.01	4.0	<.1	.65	1	3.7	5	5	5
152762	.6	303.4	.4	40	<.1	1777.0	151.5	1455	8.11	.7	<.1	<.5	<.1	1	<.1	<.1	<.1	12	.08	.003	<1	700.4	18.11	8	.007	7	.10	<.001	.03	<.1	<.01	3.7	<.1	.75	<1	3.2	<2	7	8
152763	1.2	270.9	.6	33	.1	1703.4	121.6	1324	7.56	1.2	<.1	1.0	<.1	1	<.1	<.1	<.1	16	.21	.006	<1	685.1	16.57	5	.010	10	.13	.001	.02	.4	<.01	4.1	<.1	.57	<1	2.8	<2	7	8
152764	.7	133.2	.4	49	.1	1444.3	121.4	1591	8.74	.6	<.1	<.5	<.1	1	<.1	<.1	.1	31	.07	.004	<1	282.3	16.62	5	.006	4	.09	.003	.02	<.1	<.01	4.1	<.1	.42	<1	1.9	<2	5	5
152765	1.4	123.9	.3	37	<.1	1103.9	98.6	1162	6.69	1.0	<.1	.5	<.1	1	<.1	<.1	<.1	30	.09	.005	<1	390.3	12.56	7	.009	4	.14	<.001	.03	.5	<.01	3.4	<.1	.50	<1	1.8	<2	3	3
152766	1.3	289.1	.7	24	<.1	1175.7	129.5	792	6.61	.8	<.1	.5	<.1	5	<.1	<.1	<.1	35	.21	.009	<1	494.6	8.59	41	.018	5	.54	.002	.23	<.1	<.01	3.0	<.1	1.17	1	5.0	<2	2	4
152767	.9	37.4	.8	41	<.1	947.0	88.5	1136	6.61	1.2	.1	.5	.1	83	<.1	<.1	<.1	63	.55	.056	1	441.2	10.78	174	.059	4	1.53	.008	1.03	.4	<.01	4.7	.2	.15	2	1.0	<2	7	8
RE C 152767	1.0	37.5	.7	39	<.1	917.2	87.4	1099	6.44	1.2	<.1	<.5	.1	80	<.1	<.1	<.1	62	.53	.054	1	425.9	10.54	179	.058	3	1.49	.007	1.05	.3	<.01	4.7	.2	.14	2	1.2	<2	7	9
RRE C 152767	.3	35.6	.7	41	<.1	892.2	85.6	1097	6.41	1.0	<.1	<.5	.1	87	<.1	<.1	<.1	64	.56	.059	1	407.2	10.42	182	.063	2	1.56	.007	1.07	<.1	<.01	4.7	.2	.14	2	.9	<2	7	8
152768	.9	31.8	.1	30	.1	1172.8	101.5	1316	6.48	.9	<.1	<.5	<.1	2	<.1	<.1	<.1	17	.09	.004	<1	446.5	14.70	15	.009	7	.13	.001	.05	.5	<.01	3.6	<.1	.15	<1	1.6	<2	5	6
152769	.3	46.3	.6	12	<.1	561.3	47.5	355	2.71	.7	<.1	<.5	<.1	3	<.1	<.1	<.1	20	.22	.003	<1	623.4	5.34	8	.016	1	.23	.003	.03	<.1	<.01	3.0	<.1	.15	1	.5	206	14	12
STANDARD DS4/	6.3	128.9	34.9	156	.3	34.6	11.2	785	3.14	22.5	6.5	26.0	3.8	27	5.1	4.2	4.9	74	.52	.086	17	164.3	.58	140	.082	<1	1.75	.032	.15	3.6	.27	3.7	1.1	.06	6	1.1	496	479	481

Standard is STANDARD DS4/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ✓

ASSAY CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A301996 Page 1

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Cu %	Ni %	Co %
SI	<.001	<.001	<.001
C 150290	.008	.128	.013
C 150291	.009	.142	.013
C 150292	.018	.227	.017
C 150293	.012	.161	.013
C 150294	.018	.181	.014
C 150295	.016	.153	.012
C 150296	.016	.171	.014
C 150297	.015	.155	.012
C 150298	.012	.203	.015
C 150299	.008	.192	.013
C 150300 PULP	.071	.110	.003
C 150301	.006	.195	.012
C 150302	.005	.154	.011
C 150303	.005	.183	.011
C 150304	.016	.134	.011
C 150305	.014	.069	.008
C 150306	.012	.083	.008
RE C 150306	.012	.085	.008
RRE C 150306	.011	.085	.007
C 150307	.021	.063	.011
C 150308	.021	.149	.013
C 150309	.005	.177	.009
C 150310	.004	.165	.009
C 150311	.004	.158	.009
C 150312	.005	.161	.008
C 150313	.005	.162	.008
C 150314	.006	.165	.009
C 150315	.010	.168	.012
C 150316	.005	.171	.009
C 150317	.007	.142	.008
C 150318	.008	.171	.011
C 150319	.006	.183	.010
C 150320	.003	.195	.011
C 150321	.008	.177	.010
STANDARD R-2	.561	.381	.046

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
- SAMPLE TYPE: P1 TO P4 CORE P Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 12 2003 **DATE REPORT MAILED:** June 14/03 **SIGNED BY** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA

SAMPLE#	Cu %	Ni %	Co %
C 150322	.018	.217	.012
C 150323	.007	.193	.010
C 150324	.009	.212	.010
C 150325	.004	.192	.009
C 150326	.004	.195	.009
C 150327	.014	.180	.009
C 150328	.006	.005	.001
C 150329	.005	<.001	.001
C 150330 PULP	.071	.107	.003
C 150331	.007	.183	.008
C 150332	.003	.202	.008
C 150333	.003	.182	.008
C 150334	.003	.196	.009
C 150335	.005	.237	.012
C 150336	.002	.208	.011
C 150337	.005	.185	.010
C 150338	.006	.209	.010
C 150339	.015	.181	.011
C 150340	.012	.253	.013
C 150341	.026	.231	.013
C 150342	.011	.174	.012
RE C 150342	.011	.180	.012
RRE C 150342	.011	.185	.013
C 150343	.053	.174	.012
C 150344	.036	.162	.018
C 150345	.055	.146	.013
C 150346	.064	.134	.012
C 150347	.003	.042	.005
C 150348	.037	.123	.013
C 150349	.016	.165	.011
C 150350	.005	.171	.011
C 150351	.003	.178	.012
C 150352	.006	.187	.012
C 150353	.002	.191	.011
STANDARD R-2	.569	.377	.044

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data___ FA ___

SAMPLE#	Cu %	Ni %	Co %
C 150354	.005	.206	.013
C 150355	.005	.189	.012
C 150356	.008	.174	.011
C 150357	.088	.593	.027
C 150358	.006	.191	.012
C 150359	.005	.196	.012
C 150360 PULP	.055	.195	.007
C 150361	.004	.176	.012
C 150362	.003	.169	.011
C 150363	.007	.186	.012
C 150364	.015	.204	.013
C 150365	.016	.190	.011
C 150366	.008	.205	.012
C 150367	.007	.211	.011
C 150368	.016	.231	.012
C 150369	.020	.213	.012
RE C 150369	.019	.199	.011
RRE C 150369	.020	.214	.012
C 150370	.014	.225	.014
C 150371	.016	.191	.012
STANDARD R-2	.566	.379	.045

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

SAMPLE#	Cu %	Ni %	Co %
C 152748	.057	.221	.017
C 152749	.121	.311	.021
C 152750	.151	.295	.018
C 152751	.167	.226	.014
C 152752	.136	.287	.019
C 152753	.066	.202	.016
C 152754	.046	.223	.016
C 152755	.021	.169	.010
C 152756	.030	.152	.011
C 152757	.025	.193	.014
C 152758	.068	.259	.015
C 152759	.044	.216	.014
C 152760 PULP	.074	.111	.004
C 152761	.104	.151	.017
C 152762	.034	.200	.017
C 152763	.030	.194	.014
C 152764	.014	.159	.013
C 152765	.014	.131	.012
C 152766	.033	.142	.016
C 152767	.004	.102	.010
RE C 152767	.004	.104	.010
RRE C 152767	.004	.101	.010
C 152768	.003	.135	.012
C 152769	.005	.061	.005
STANDARD R-2	.562	.376	.047

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

SAMPLE#	Ni/S %	Ni/Ox %
C 150295	.116	.013
C 150305	.069	.003
C 150315	.165	.006
C 150325	.164	.009
C 150335	.201	.016
C 150345	.133	.015
C 150355	.098	.010
C 150365	.175	.007
C 152755	.104	.009
C 152765	.092	.007
RE C 152765	.094	.006
STANDARD R-2	.301	.020

NI/S + NI/OXIDE : LEACHED WITH H2O2 + NH4 CITRATE. NI/OXIDE : LEACHED WITH NH4 CITRATE.
NI/S = (NI/S + NI/OXIDE) - NI/OXIDE.
- SAMPLE TYPE: P1 TO P4 CORE P
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 12 2003 DATE REPORT MAILED: June 26/03 SIGNED BY. C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ___

ACME LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A302118 Page 1

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
SI	.2	1.5	1.9	2	<.1	.7	.1	2	.06	1.7	<.1	.9	<.1	5	<.1	.1	<.1	<1	.18	<.001	<1	1.9	.01	4	<.001	1	.02	.80	1	.2	<.01	<.1	<.1	<.05	<1	<.5	<2	<2	<2
: 150372	1.4	200.8	3.1	26	.2	1369.4	168.3	1183	9.13	9.4	<.1	1.5	.1	1	.1	1.8	.1	27	.03	.003	<1	1418.5	16.63	4	.012	115	.12	.004	<.01	.1	.01	3.1	<.1	.72	<1	2.0	3	5	5
: 150373	8.8	196.4	19.3	34	.5	875.8	81.1	736	4.84	17.6	.2	1.1	.4	40	.7	.2	.1	95	1.16	.019	1	987.4	5.35	7	.017	3	1.56	.011	.05	<.1	.02	6.2	.1	1.26	4	2.4	3	3	6
: 150374	4.8	42.1	3.9	61	.1	855.4	59.5	613	3.88	5.4	.8	1.6	.6	15	.3	.5	.1	91	.67	.024	1	1212.4	5.01	35	.060	2	2.10	.010	.32	.1	.01	5.8	.3	.90	5	1.2	3	<2	2
: 150375	1.6	78.7	9.3	96	.2	60.9	20.6	841	3.64	1.0	.3	1.2	2.1	33	2.4	.4	.2	96	.82	.055	7	109.7	1.49	114	.162	1	1.26	.067	.44	.5	.03	8.9	.4	1.18	6	1.9	2	<2	<2
: 150376	3.2	54.9	7.9	63	.1	34.8	17.8	1398	3.19	1.9	.5	1.0	1.9	86	.3	5.7	.1	91	3.14	.052	8	48.1	1.29	78	.153	1	1.30	.020	.16	.5	.02	8.9	.1	.71	6	1.0	5	<2	<2
: 150377	2.9	120.8	6.2	60	.1	46.0	30.0	1124	3.77	6.5	.1	4.5	.6	36	.1	.9	.1	73	2.50	.064	3	104.7	1.31	101	.315	1	1.68	.038	.05	.4	.01	2.7	<.1	.61	5	<.5	3	<2	<2
: 152727	1.5	76.2	1.1	40	.1	1798.9	109.2	1060	7.37	1.9	<.1	3.7	<.1	2	<.1	<.1	.1	88	.10	.002	<1	571.7	12.24	3	.016	5	.13	.001	<.01	<.1	<.01	5.2	<.1	.37	1	2.5	2	5	3
: 152728	3.2	126.4	1.4	34	.1	1263.9	97.7	1084	8.15	1.3	<.1	2.0	<.1	1	.1	<.1	<.1	108	.08	.003	<1	444.5	10.17	5	.013	6	.11	.001	<.01	<.1	.01	4.6	<.1	.69	<1	4.4	<2	5	5
: 152729	4.2	153.0	1.2	33	.1	1212.6	109.0	1009	8.55	.9	<.1	3.0	<.1	1	.1	<.1	<.1	114	.09	.003	<1	436.1	9.42	2	.013	5	.09	<.001	<.01	<.1	<.01	5.0	<.1	.83	<1	5.4	2	24	5
: 152730 PULP	.2	734.6	1.2	11	.6	1003.9	38.0	123	3.39	<.5	1.0	39.9	.1	11	<.1	<.1	.1	19	.25	.007	<1	219.9	2.16	18	.027	3	.36	.046	.01	.1	.02	2.1	<.1	.13	1	4.5	37	138	109
: 152731	3.7	80.3	.8	61	.1	1140.1	85.1	1269	7.38	1.1	<.1	2.1	<.1	7	.1	.1	.1	201	.57	.027	<1	876.9	9.56	8	.062	4	.89	.001	.01	<.1	<.01	5.4	<.1	.42	2	2.7	<2	4	4
: 152732	2.4	46.1	1.0	49	.1	1351.5	87.8	1292	7.18	.9	<.1	1.2	<.1	1	.1	<.1	.1	127	.12	.002	<1	608.0	12.07	2	.013	2	.13	.001	<.01	.1	<.01	6.2	<.1	.26	1	1.8	17	3	2
: 152733	1.1	81.1	.6	39	.1	1365.8	97.4	1449	9.01	2.7	<.1	1.3	<.1	1	<.1	<.1	<.1	70	.04	.003	<1	340.5	12.45	2	.009	5	.07	.001	<.01	<.1	<.01	5.1	<.1	.42	<1	2.7	3	3	4
: 152734	3.0	89.8	.7	45	.1	1403.2	102.1	1617	9.62	.7	<.1	1.3	<.1	1	<.1	.1	<.1	70	.05	.003	<1	285.5	12.60	1	.009	6	.05	.002	<.01	.1	<.01	4.8	<.1	.49	<1	3.0	6	3	3
: 152735	4.6	144.0	.8	45	.1	1579.5	125.1	1412	9.62	<.5	<.1	2.4	<.1	1	<.1	.1	<.1	108	.22	.003	<1	440.9	12.22	2	.010	7	.09	.002	<.01	<.1	<.01	7.4	<.1	.76	1	3.8	4	6	10
: 152736	3.9	103.3	.7	50	.1	1669.2	112.1	1713	10.08	.5	<.1	2.8	<.1	1	<.1	<.1	.1	74	.08	.003	<1	233.9	13.69	1	.010	6	.04	.001	<.01	.1	<.01	5.5	<.1	.56	<1	3.5	8	7	8
: 152737	3.8	62.6	1.7	54	.1	1369.2	88.9	1562	8.48	.8	<.1	1.1	<.1	1	.1	<.1	.1	169	.08	.002	<1	548.6	12.40	2	.016	3	.13	<.001	<.01	<.1	<.01	7.0	<.1	.37	1	2.0	2	6	8
: 152738	1.8	138.8	.5	55	.1	1094.0	97.2	1493	9.33	<.5	<.1	1.3	<.1	1	<.1	<.1	<.1	70	.08	.003	<1	226.7	12.33	1	.009	5	.05	.001	<.01	.1	<.01	4.4	<.1	.63	<1	3.4	<2	4	5
: 152739	.4	163.2	.8	28	<.1	949.9	94.0	985	6.34	<.5	<.1	.7	<.1	1	<.1	<.1	<.1	30	.12	.002	<1	248.0	9.96	2	.008	2	.06	.001	<.01	.2	<.01	3.0	<.1	.67	<1	3.2	<2	3	3
. 152740	.3	369.2	.8	21	.1	918.6	92.5	672	4.93	<.5	<.1	1.8	<.1	1	.1	<.1	<.1	22	.17	.002	<1	335.0	8.18	2	.011	3	.11	.002	<.01	.2	<.01	2.2	<.1	.49	<1	2.5	<2	12	10
. 152741	.3	422.3	.8	29	.3	1786.9	97.9	1040	5.86	<.5	<.1	5.3	<.1	1	.2	<.1	<.1	6	.11	.002	<1	248.3	14.11	2	.005	4	.05	.001	.01	.2	<.01	2.3	<.1	.22	<1	1.6	5	26	31
. 152742	.2	327.6	1.0	35	.4	2094.6	116.1	1253	6.85	<.5	<.1	8.0	<.1	<1	.1	<.1	.1	6	.06	.002	<1	336.6	16.81	1	.004	4	.05	.001	.01	.2	<.01	2.8	<.1	.18	<1	1.5	6	36	47
E C 152742	.3	335.5	.9	38	.4	2132.6	118.5	1272	7.00	<.5	<.1	6.5	<.1	<1	.1	<.1	.1	6	.06	.002	<1	343.2	17.09	2	.007	2	.05	.001	.01	.3	<.01	3.0	<.1	.18	<1	1.7	7	40	48
RE C 152742	.4	339.7	1.1	37	.4	2156.0	120.3	1290	7.03	<.5	<.1	4.1	<.1	<1	.1	<.1	.1	6	.07	.002	<1	342.5	17.23	2	.005	3	.05	.001	.01	.2	<.01	2.9	<.1	.19	<1	1.5	7	42	50
152743	.3	91.6	1.3	36	.1	1585.9	108.6	1320	6.92	1.2	<.1	2.2	<.1	<1	.1	<.1	<.1	6	.06	.002	<1	297.5	18.18	2	.008	4	.05	.001	.01	.2	<.01	2.8	<.1	<.05	<1	.6	2	29	30
152744	.4	57.2	.4	36	.1	1500.9	109.7	1283	6.79	.5	<.1	1.1	<.1	1	<.1	<.1	<.1	8	.07	.002	<1	396.8	17.50	5	.008	4	.06	.002	.02	.2	<.01	2.8	<.1	<.05	<1	.5	<2	13	18
152745	.2	53.8	.4	36	.1	1475.0	106.8	1275	6.63	<.5	<.1	.5	<.1	1	<.1	<.1	<.1	6	.06	.002	<1	343.6	17.95	6	.006	5	.06	.003	.02	.2	<.01	2.7	<.1	.06	<1	.5	<2	23	25
152746	.4	125.1	.4	42	.1	1376.7	131.5	1521	8.02	<.5	<.1	1.1	<.1	1	<.1	<.1	<.1	6	.12	.002	<1	434.8	20.46	2	.006	4	.07	.001	.01	.1	.01	3.2	<.1	.14	<1	1.2	<2	12	9
152747	.2	122.2	.3	38	.1	1431.5	119.8	1445	7.48	<.5	<.1	1.6	<.1	1	<.1	<.1	<.1	6	.04	.002	<1	468.2	19.91	6	.003	3	.06	.001	.02	.2	.01	2.8	<.1	.14	<1	1.0	2	32	37
152770	.3	48.4	.4	10	<.1	682.5	60.5	365	3.32	2.9	<.1	<.5	<.1	4	<.1	<.1	<.1	23	.53	.003	<1	793.4	6.07	11	.014	5	.56	.004	.09	.1	.01	2.6	<.1	.19	1	1.4	<2	5	4
152771	.3	48.3	.2	7	<.1	384.5	35.1	176	2.09	<.5	<.1	1.9	<.1	5	<.1	<.1	<.1	31	.53	.005	<1	825.2	3.58	17	.020	2	.47	.005	.05	.1	<.01	2.6	<.1	.09	1	.8	<2	2	2
152772	.3	48.3	.4	28	<.1	966.4	82.3	880	4.82	.8	<.1	.9	<.1	3	<.1	.1	<.1	22	.16	.006	<1	770.8	11.00	14	.015	9	.30	.001	.04	.1	.01	2.6	<.1	.25	1	1.9	<2	4	5
152773	.4	109.9	.4	32	<.1	1375.3	124.7	1340	7.41	<.5	<.1	<.5	<.1	2	<.1	<.1	<.1	15	.09	.005	<1	621.4	16.88	8	.008	12	.16	.001	.03	.1	<.01	3.5	<.1	.45	1	3.2	<2	13	16
152774	1.0	235.9	.4	30	.1	1467.2	140.0	1158	8.41	<.5	<.1	.5	<.1	5	.1	<.1	<.1	28	.12	.011	<1	728.9	13.98	16	.015	9	.34	.001	.04	.1	<.01	3.4	<.1	1.12	1	6.6	<2	12	12
TANDARD DS4/	6.5	123.1	31.6	158	.3	34.7	11.8	799	3.09	22.6	6.4	25.3	3.7	28	5.6	4.2	5.0	75	.52	.085	17	171.2	.58	138	.083	2	1.75	.032	.15	3.5	.27	3.4	1.1	<.05	6	1.4	494	477	490

tandard is STANDARD DS4/FA-10R.

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: P1 TO P5 CORE P AU** PT** & PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (15 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 19 2003 DATE REPORT MAILED: June 27/03 SIGNED BY: C. Toye . TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA Y

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
C 152775	2.7	225.3	.8	55	<.1	1475.0	129.2	1425	9.31	<.5	<.1	4.4	<.1	<1	<.1	.3	<.1	30	.04	.003	<1	464.7	16.04	2	.004	7	.04	.003	.01	.1	<.01	4.7	<.1	.93	<1	6.2	6	6	11
C 152776	2.4	63.8	1.9	50	<.1	652.1	55.1	644	4.52	4.9	<.1	.8	.1	88	<.1	.3	.2	45	.89	.080	1	504.6	5.39	226	.058	4	2.60	.046	.25	<.1	<.01	2.2	.1	.11	4	.5	<2	7	9
C 152777	.4	67.4	1.0	29	<.1	745.0	51.4	334	3.12	5.2	<.1	<.5	<.1	15	<.1	<.1	<.1	40	.36	.023	<1	541.5	4.76	66	.042	1	1.96	.011	.34	<.1	<.01	1.6	.1	.06	3	<.5	<2	5	6
C 152778	.4	157.2	.9	34	.1	2764.6	142.8	1273	7.46	.8	<.1	<.5	.1	1	<.1	.1	.1	38	.02	.004	<1	632.3	16.42	4	.009	15	.11	.002	.01	<.1	<.01	5.4	<.1	.59	<1	3.2	3	23	23
C 152779	.3	156.2	.9	20	.1	2311.4	126.7	1092	6.82	2.0	<.1	1.7	<.1	4	<.1	.1	.1	33	.03	.008	<1	1746.2	19.15	12	.016	23	.32	<.001	.04	<.1	<.01	4.8	<.1	.27	1	1.8	4	12	9
C 152780	.3	226.3	1.0	25	.1	2016.6	108.7	1041	6.34	3.3	<.1	1.6	<.1	4	.1	.6	.1	23	.04	.009	<1	1039.0	19.96	10	.016	24	.26	.001	.03	<.1	<.01	4.4	<.1	.25	1	1.7	5	42	40
C 152781	.5	379.4	.9	36	.3	2377.4	162.7	1122	7.65	2.2	<.1	23.0	.1	2	.2	.3	.1	25	.03	.005	<1	1170.4	19.30	9	.015	25	.18	<.001	.02	<.1	<.01	4.0	<.1	.29	1	2.1	4	21	23
C 152782	.2	187.8	.8	26	.1	2483.6	151.2	1236	6.79	1.9	<.1	2.2	<.1	1	.1	.1	.1	19	.03	.005	<1	918.3	20.48	6	.013	20	.15	.001	.01	<.1	<.01	4.2	<.1	.20	1	1.7	4	12	14
C 152783	.5	25.2	.3	33	<.1	2021.4	115.9	1316	6.72	1.3	<.1	1.1	<.1	4	<.1	.1	<.1	24	.09	.010	<1	1009.8	20.55	12	.010	15	.25	.001	.04	.1	<.01	4.5	<.1	<.05	1	.8	3	23	20
C 152784	.2	28.9	1.0	31	.1	2043.7	125.5	1384	6.80	3.1	<.1	1.8	<.1	2	<.1	.1	<.1	22	.26	.005	<1	1221.9	20.00	5	.010	19	.21	.001	.01	<.1	<.01	5.0	<.1	.10	1	.9	3	51	35
C 152785	.4	47.9	.7	35	.1	1922.3	125.7	1422	7.07	3.3	<.1	.9	<.1	3	<.1	.3	<.1	30	.15	.008	<1	1698.7	18.83	8	.016	35	.30	.001	.03	.1	<.01	4.7	<.1	.14	1	1.4	4	13	18
C 152786	.4	39.7	2.1	22	.1	1744.5	113.8	1109	6.23	2.7	<.1	.9	<.1	3	<.1	.2	<.1	26	.09	.004	<1	1666.2	17.10	16	.010	45	.48	.001	.10	.1	<.01	3.4	<.1	.12	2	1.1	2	4	<2
C 152787	.4	33.4	1.3	28	.1	1736.6	103.7	1078	6.59	2.7	<.1	1.0	.1	7	<.1	.1	<.1	40	.11	.023	1	1196.2	16.88	129	.030	32	.82	.003	.40	<.1	<.01	5.1	.1	.07	2	.6	8	7	8
C 152788	.1	25.9	1.0	34	<.1	1522.7	94.2	1033	6.13	5.7	<.1	.7	.1	41	<.1	.2	<.1	38	.28	.038	<1	1134.1	14.28	60	.036	31	1.01	.003	.54	<.1	<.01	4.2	.1	.08	2	<.5	3	7	4
C 152789	.3	31.5	.5	29	<.1	2104.4	116.9	1325	7.26	1.6	<.1	<.5	<.1	5	<.1	.1	<.1	16	.05	.007	<1	1178.8	21.23	11	.008	24	.21	.001	.09	.1	<.01	3.5	<.1	.08	1	.7	3	33	43
C 152790 PULP	.2	749.3	1.2	11	.5	1023.1	38.5	119	3.43	<.5	1.1	44.9	.1	12	<.1	<.1	.1	18	.25	.007	<1	212.7	2.09	19	.026	<1	.35	.044	.01	.1	.01	2.2	<.1	.12	1	4.6	51	132	101
C 152791	.1	21.7	.3	31	<.1	2206.3	119.3	1439	7.54	1.3	<.1	3.0	<.1	1	<.1	<.1	<.1	12	.03	.003	<1	885.1	22.28	5	.008	13	.08	<.001	.01	<.1	<.01	3.9	<.1	<.05	<1	.5	2	32	32
C 152792	.6	24.0	.3	31	<.1	2268.6	117.7	1373	7.32	1.1	<.1	1.2	<.1	2	<.1	<.1	<.1	12	.03	.005	<1	615.6	22.08	6	.006	6	.13	<.001	.02	.3	.01	3.8	<.1	<.05	<1	<.5	4	34	68
RE C 152792	.5	24.0	.3	31	<.1	2244.5	117.5	1357	7.20	1.1	<.1	1.9	<.1	2	<.1	<.1	<.1	10	.03	.005	<1	590.0	21.84	6	.001	8	.13	<.001	.02	.2	<.01	3.6	<.1	<.05	<1	<.5	3	34	48
RRE C 152792	.1	25.0	.2	32	<.1	2277.3	121.3	1373	7.42	1.2	<.1	1.2	<.1	2	.1	<.1	<.1	11	.04	.006	<1	633.0	21.86	6	.003	7	.14	.001	.02	<.1	<.01	3.6	<.1	<.05	<1	.5	2	34	37
C 152793	.6	19.4	1.5	34	<.1	2303.4	119.0	1370	7.13	1.4	<.1	1.4	<.1	2	.1	<.1	<.1	13	.03	.005	<1	971.5	21.76	9	.008	10	.16	<.001	.03	.2	<.01	3.5	<.1	<.05	1	.5	4	27	20
C 152794	.1	132.9	1.8	33	.2	3327.0	117.7	1262	6.98	2.3	<.1	3.4	<.1	3	.1	<.1	.1	19	.16	.008	<1	886.3	21.11	11	.010	11	.26	.001	.03	<.1	<.01	3.5	<.1	.07	1	1.1	5	100	101
C 152795	.5	44.3	.4	31	.1	2285.3	112.6	1310	7.12	1.8	<.1	.8	<.1	2	.1	.1	<.1	26	.10	.007	<1	1133.3	21.49	12	.011	15	.23	<.001	.03	.2	<.01	4.0	<.1	<.05	1	<.5	3	12	7
C 152796	.1	64.6	.5	29	.1	2082.7	120.6	1234	7.16	2.3	<.1	1.8	<.1	6	.1	.1	<.1	28	.12	.014	<1	1326.6	20.74	15	.010	18	.35	.001	.04	<.1	<.01	3.9	<.1	<.05	1	.6	2	77	66
C 152797	.6	12.8	.5	39	<.1	2032.9	115.4	1363	7.09	1.2	<.1	<.5	<.1	2	.1	.1	<.1	15	.03	.005	<1	897.0	21.44	7	.007	10	.11	.001	.02	.2	<.01	3.3	<.1	<.05	<1	<.5	2	27	28
C 152798	.1	25.9	.2	29	<.1	1980.3	121.3	1347	7.12	1.2	<.1	.6	<.1	2	<.1	.1	<.1	17	.03	.004	<1	934.5	21.47	7	.008	12	.14	<.001	.02	<.1	<.01	3.3	<.1	<.05	<1	<.5	<2	4	<2
C 152799	.6	13.1	.3	29	<.1	1798.9	121.6	1164	6.63	.8	<.1	1.0	<.1	5	<.1	<.1	<.1	25	.07	.010	<1	1259.4	19.88	25	.012	13	.31	<.001	.08	.2	<.01	3.6	<.1	<.05	1	<.5	2	4	<2
C 152800	.1	11.4	.2	32	<.1	2114.2	126.9	1391	7.14	.5	<.1	1.0	<.1	1	.1	<.1	<.1	8	.02	.003	<1	653.1	21.45	4	<.001	8	.07	.001	.01	<.1	<.01	3.7	<.1	<.05	<1	<.5	2	3	<2
C 152801	.7	15.6	1.5	34	<.1	2221.3	135.5	1333	6.91	2.1	<.1	.7	<.1	1	<.1	.1	<.1	9	.02	.003	<1	588.2	21.32	6	.003	7	.09	<.001	.01	.2	<.01	3.6	<.1	<.05	<1	<.5	2	16	9
C 152802	.1	13.7	.2	35	<.1	2150.1	125.1	1244	6.65	<.5	<.1	1.5	<.1	3	.1	<.1	<.1	16	.11	.016	<1	294.1	20.17	9	.007	4	.16	.002	.03	<.1	<.01	3.8	<.1	<.05	<1	<.5	17	25	21
C 152803	.4	11.4	.3	32	<.1	2119.8	114.4	1267	6.85	<.5	.2	4.2	.3	18	<.1	<.1	<.1	18	.15	.047	1	569.9	19.97	6	.006	6	.17	.001	.02	.3	<.01	3.4	<.1	<.05	<1	<.5	9	8	7
C 152804	.1	8.1	.4	31	<.1	2021.8	123.7	1314	6.82	.5	<.1	<.5	<.1	2	<.1	<.1	<.1	14	.04	.005	<1	703.4	21.08	10	.007	5	.18	<.001	.03	<.1	<.01	3.2	<.1	<.05	<1	<.5	2	6	4
C 152805	.7	8.8	.2	34	<.1	1918.4	123.8	1254	6.90	.9	<.1	<.5	<.1	2	.1	<.1	<.1	17	.03	.006	<1	1044.3	20.87	12	.009	9	.21	<.001	.04	.3	<.01	3.2	<.1	<.05	1	<.5	2	2	<2
C 152806	.1	8.3	.3	29	<.1	1940.3	119.6	1258	6.76	.9	<.1	<.5	.1	4	<.1	<.1	<.1	12	.04	.007	<1	979.1	20.31	21	.012	8	.23	<.001	.06	<.1	<.01	3.1	<.1	<.05	1	<.5	<2	2	<2
STANDARD DS4/	6.7	128.0	32.6	160	.3	36.8	12.4	814	3.22	22.8	6.5	27.5	3.6	28	5.4	4.1	5.0	76	.55	.089	17	171.2	.57	140	.087	<1	1.78	.033	.16	3.6	.29	3.5	1.1	<.05	6	1.3	479	488	490

Standard is STANDARD DS4/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA V

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
C 152807	.6	7.6	.4	28	<.1	1704.3	114.0	1270	6.77	1.0	<.1	<.5	<.1	3	.1	<.1	<.1	14	.08	.006	<1	426.0	21.08	17	.012	9	.23	.003	.05	.2	<.01	3.2	<.1	<.05	1	<.5	3	3	2
C 152808	.1	111.1	2.0	35	.1	255.0	47.7	435	4.21	<.5	<.1	<.5	<.1	15	.1	.1	<.1	132	1.03	.030	<1	277.2	4.36	210	.180	1	2.62	.008	.55	<.1	<.01	7.1	.2	<.05	5	<.5	<2	16	15
C 152809	.5	14.9	.5	28	<.1	1540.0	103.8	1008	6.08	.5	<.1	<.5	<.1	4	<.1	<.1	<.1	32	.25	.011	<1	482.7	17.75	21	.035	10	.51	.001	.06	.2	<.01	3.3	<.1	.07	1	.5	3	6	5
C 152810	.1	7.6	.5	31	<.1	1797.4	112.4	1167	6.39	<.5	<.1	<.5	<.1	2	<.1	<.1	<.1	8	.04	.006	<1	394.5	21.31	10	.006	7	.15	.001	.03	<.1	<.01	2.6	<.1	<.05	<1	<.5	<2	2	2
C 152811	.5	7.9	.4	28	<.1	1753.9	112.4	1241	6.47	.6	<.1	1.1	.1	1	<.1	<.1	<.1	6	.03	.005	<1	540.4	21.36	9	.004	7	.11	<.001	.02	.1	<.01	2.8	<.1	<.05	<1	<.5	<2	7	2
C 152812	.2	14.1	.4	29	<.1	1924.4	114.0	1272	6.93	<.5	<.1	<.5	.1	2	<.1	.1	<.1	6	.05	.006	<1	423.6	21.65	12	.004	9	.13	<.001	.03	<.1	<.01	2.8	<.1	<.05	<1	.5	<2	23	17
C 152813	.6	17.5	.5	29	<.1	2020.9	120.4	1240	6.76	.9	<.1	5.5	<.1	2	<.1	.1	.1	7	.03	.006	<1	512.8	21.24	13	.004	7	.15	.001	.03	.2	<.01	2.7	<.1	<.05	<1	<.5	5	166	164
C 152814	.1	13.5	.6	31	<.1	1785.4	122.2	1328	7.46	<.5	<.1	<.5	<.1	2	.1	<.1	<.1	10	.05	.005	<1	453.6	21.83	18	.008	6	.20	.001	.04	<.1	<.01	3.0	<.1	<.05	1	<.5	<2	12	9
C 152815	.5	25.0	.7	33	<.1	1877.6	122.4	1344	7.41	1.5	<.1	2.0	<.1	2	.1	<.1	.3	8	.03	.005	<1	496.4	21.29	21	.008	6	.17	.001	.04	.2	<.01	2.8	<.1	<.05	<1	<.5	2	37	34
C 152816	.1	38.5	.6	28	.1	1715.0	131.7	1379	7.40	1.8	<.1	1.8	.1	2	<.1	<.1	.2	17	.06	.007	<1	672.1	18.81	18	.012	10	.28	<.001	.04	<.1	<.01	3.0	<.1	<.05	1	.9	3	66	44
C 152817	.5	153.2	1.0	35	.2	1983.7	144.7	1324	7.41	1.7	<.1	10.7	<.1	2	.2	<.1	.2	18	.05	.006	<1	688.3	19.99	17	.011	5	.24	<.001	.03	.1	<.01	3.3	<.1	<.05	1	.7	7	98	72
C 152818	.1	109.2	.7	31	.1	1702.8	123.9	1289	6.99	1.7	<.1	3.3	<.1	1	<.1	<.1	.1	15	.03	.005	<1	1031.3	19.00	10	.017	15	.23	<.001	.02	<.1	<.01	3.7	<.1	.07	1	1.2	5	48	29
C 152819	.3	29.8	.5	37	.1	1605.6	115.9	1522	7.13	1.1	<.1	1.1	.1	1	<.1	<.1	<.1	11	.02	.003	<1	733.8	21.26	2	.006	10	.14	<.001	<.01	.1	<.01	3.3	<.1	<.05	1	.6	2	12	8
C 152820 PULP	.2	708.2	1.4	11	.6	1095.4	37.1	120	3.32	<.5	1.0	37.8	.1	11	<.1	<.1	.1	17	.22	.007	<1	196.3	2.11	19	.021	2	.32	.041	.01	.1	.01	1.9	<.1	.11	1	4.3	39	119	106
C 152821	.1	46.1	.6	30	.1	1474.0	109.2	1301	7.21	1.2	<.1	3.1	.1	2	<.1	<.1	<.1	19	.04	.006	<1	841.0	18.35	10	.016	13	.30	.002	.02	<.1	<.01	3.7	<.1	<.05	1	.7	3	24	27
C 152822	.4	33.6	.4	38	.1	1621.1	115.2	1547	7.85	.9	<.1	2.0	<.1	1	<.1	<.1	<.1	19	.04	.004	<1	653.5	20.50	25	.012	8	.24	<.001	.04	.2	<.01	3.1	<.1	<.05	1	.6	<2	28	27
C 152823	.1	62.2	.8	35	.1	1472.7	108.8	1333	7.61	.7	<.1	1.1	<.1	3	.1	<.1	<.1	35	.07	.010	<1	861.6	16.80	19	.022	5	.41	<.001	.03	<.1	<.01	3.7	<.1	.07	1	.9	3	67	60
C 152824	.3	47.6	.7	33	.1	1313.0	106.1	1400	7.44	1.3	<.1	<.5	<.1	2	<.1	<.1	<.1	31	.10	.009	<1	985.5	16.87	5	.019	8	.36	<.001	.01	.1	<.01	3.8	<.1	.07	1	1.0	<2	34	29
C 152825	.5	429.5	1.1	33	.1	1390.5	165.9	1429	9.51	<.5	<.1	1.5	<.1	2	.1	<.1	<.1	41	.11	.013	<1	1093.3	15.80	13	.028	10	.49	<.001	.03	<.1	<.01	3.9	<.1	.57	1	2.4	2	14	12
C 152826	1.2	687.1	2.8	47	<.1	1332.0	182.7	1287	11.24	<.5	<.1	1.1	<.1	3	.1	.3	<.1	45	.10	.015	<1	1191.1	14.34	23	.027	12	.57	.002	.05	<.1	<.01	3.9	<.1	.99	1	3.3	2	15	21
C 152827	.3	210.1	2.4	30	<.1	1455.4	158.0	1135	7.19	<.5	<.1	1.3	<.1	3	<.1	<.1	<.1	32	.06	.009	<1	1213.0	14.87	29	.025	14	.46	<.001	.07	<.1	<.01	3.6	<.1	.46	1	1.7	33	5	4
C 152828	.2	140.7	2.5	28	.1	1331.9	116.2	1086	7.16	.8	<.1	.5	<.1	6	<.1	.1	<.1	45	.08	.015	<1	1173.9	16.01	48	.027	15	.68	.001	.11	<.1	<.01	4.0	<.1	.23	2	1.2	2	8	11
RE C 152828	.2	135.7	2.2	29	.1	1402.1	112.9	1053	6.93	.7	<.1	<.5	<.1	6	<.1	<.1	<.1	44	.08	.015	<1	1157.1	15.63	46	.025	15	.66	.001	.11	<.1	<.01	3.9	<.1	.22	1	1.3	<2	11	10
RRE C 152828	.2	133.5	2.5	29	.1	1413.4	113.1	1092	7.14	.9	<.1	<.5	<.1	6	.1	<.1	<.1	47	.10	.016	<1	1161.3	16.12	48	.034	17	.70	.001	.11	<.1	<.01	4.0	<.1	.20	1	1.4	<2	10	12
C 152829	<.1	36.3	.6	29	.1	1385.6	102.0	1345	6.11	1.1	<.1	<.5	.1	4	<.1	<.1	<.1	29	.06	.008	<1	1203.4	17.18	46	.034	14	.49	<.001	.10	<.1	<.01	3.5	<.1	<.05	1	1.1	2	18	17
C 152830	.2	42.2	.6	27	.1	1563.0	103.2	1100	5.93	.8	<.1	<.5	.1	5	<.1	<.1	<.1	43	.07	.011	<1	1381.9	14.19	51	.032	12	.59	.005	.12	<.1	<.01	3.7	<.1	<.05	2	.9	<2	19	16
C 152831	25.7	235.3	1.1	138	<.1	780.6	77.4	1065	8.00	<.5	<.1	.6	<.1	8	.3	<.1	<.1	322	3.58	.011	<1	791.2	6.83	22	.162	5	3.26	.001	.04	<.1	<.01	15.1	<.1	.61	6	2.7	<2	9	14
C 152832	1.4	155.2	.9	33	.2	2102.1	120.7	1066	6.44	1.2	<.1	.5	.1	5	.1	<.1	.1	55	.21	.007	<1	1220.7	14.05	52	.043	13	.72	.001	.12	<.1	<.01	4.5	<.1	.33	2	2.3	<2	22	25
C 152833	.7	210.4	1.4	28	.1	1480.9	165.6	1163	8.04	<.5	<.1	13.5	.1	5	<.1	<.1	<.1	50	.06	.009	<1	1132.6	14.48	52	.042	11	.60	<.001	.13	<.1	<.01	3.7	<.1	.46	1	2.1	<2	17	19
C 152834	6.6	324.2	4.4	26	.1	1336.2	145.8	539	7.95	<.5	<.1	2.6	<.1	6	.1	<.1	.1	69	.16	.010	<1	1001.1	10.45	79	.031	13	.83	.002	.18	<.1	<.01	4.4	<.1	.72	2	2.6	<2	15	22
C 152835	.9	176.5	2.6	29	.1	1478.5	122.1	758	6.75	.5	<.1	1.5	.1	6	<.1	<.1	<.1	58	.11	.013	1	1501.9	12.05	61	.034	18	.74	.001	.16	<.1	<.01	4.1	<.1	.46	2	2.0	<2	12	14
C 152836	.3	111.9	1.5	29	.1	1574.5	113.2	1074	6.39	1.1	<.1	1.2	.1	8	<.1	.1	<.1	33	.05	.014	1	1663.1	14.62	58	.030	14	.62	.002	.18	<.1	<.01	3.4	<.1	.31	2	1.8	<2	11	9
C 152837	.3	88.4	.9	27	.1	1652.4	135.8	1104	6.56	.9	<.1	.8	.1	4	.1	.1	<.1	42	.03	.005	<1	1129.8	13.24	41	.035	13	.47	.001	.11	<.1	<.01	3.9	<.1	.38	1	2.0	2	10	11
C 152838	4.4	150.6	1.3	24	<.1	1221.0	126.0	783	8.20	<.5	<.1	<.5	.1	5	.1	.1	<.1	88	.13	.007	1	922.0	10.61	33	.028	10	.75	.004	.07	<.1	<.01	5.3	<.1	.60	4	2.1	<2	5	4
STANDARD DS4/	6.4	125.5	32.3	157	.3	34.8	11.8	796	3.07	22.2	6.5	28.4	3.6	27	5.2	4.5	5.0	74	.51	.087	17	158.9	.55	140	.084	2	1.74	.032	.15	3.9	.28	3.4	1.1	<.05	6	1.3	498	487	482

Standard is STANDARD DS4/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
C 152839	4.2	234.1	1.1	46	.1	1274.5	103.8	696	6.27	.6	<.1	.5	<.1	6	.1	<.1	.1	113	.33	.004	<1	1460.6	10.33	53	.022	6	1.80	.007	.85	<.1	<.01	4.4	.2	.54	4	2.5	<2	4	5
C 152840	1.1	7.5	.8	68	<.1	209.5	23.8	501	3.32	1.8	<.1	<.5	.1	256	<.1	.1	.1	52	1.75	.133	1	163.0	1.89	1319	.124	<1	2.71	.051	1.37	.1	<.01	2.3	.8	<.05	3	<.5	<2	3	3
C 152841	12.8	419.2	1.1	59	.2	1495.4	104.0	454	4.14	.5	<.1	1.8	<.1	12	.1	<.1	.1	92	.35	.006	<1	1133.7	7.90	59	.029	4	1.40	.007	.16	<.1	<.01	2.2	.1	.84	5	3.1	<2	15	10
C 152842	1.2	67.3	.6	48	.1	1529.7	92.5	564	4.42	.8	<.1	.7	.1	9	<.1	<.1	.1	68	.15	.006	1	1228.5	10.61	97	.039	5	1.23	.002	.21	<.1	<.01	4.7	.1	.45	3	2.8	<2	5	6
C 152843	6.1	102.4	.8	58	.1	1521.0	90.9	658	5.52	<.5	<.1	<.5	<.1	6	.2	<.1	.1	159	.30	.006	<1	1253.4	9.50	64	.052	3	1.43	.001	.13	<.1	.01	4.8	<.1	.78	4	2.5	<2	2	3
C 152844	11.8	170.7	1.0	121	<.1	1129.0	86.3	809	7.49	<.5	<.1	<.5	<.1	7	.4	.2	.1	286	.29	.007	<1	1528.8	9.74	100	.070	4	1.60	.003	.17	<.1	<.01	6.4	.1	.94	4	2.7	<2	<2	<2
C 152845	11.9	326.9	.5	64	.1	1124.6	100.3	700	8.47	<.5	<.1	.9	<.1	2	.3	.1	<.1	185	.22	.005	<1	668.6	7.75	7	.018	3	.49	.002	.01	<.1	<.01	5.5	<.1	1.10	2	4.6	<2	3	5
C 152846	1.4	60.7	.3	31	.1	1174.9	88.6	1078	8.44	<.5	<.1	<.5	<.1	1	<.1	<.1	<.1	116	.14	.004	<1	514.5	8.53	7	.018	6	.22	<.001	.01	<.1	<.01	5.5	<.1	.41	<1	2.3	<2	4	5
C 152847	4.6	395.6	.4	33	.1	1480.3	173.7	1168	9.56	<.5	<.1	.7	.1	2	<.1	<.1	<.1	83	.21	.004	<1	637.6	7.94	9	.016	3	.35	.003	.01	<.1	<.01	4.2	<.1	1.64	1	6.9	<2	2	3
C 152848	.4	94.6	.3	26	.1	1026.1	94.1	1212	8.89	<.5	<.1	.7	<.1	1	<.1	<.1	<.1	69	.13	.002	<1	398.1	8.16	8	.016	4	.17	.003	.01	<.1	<.01	4.6	<.1	.65	<1	2.7	<2	3	11
C 152849	.8	90.9	.3	23	<.1	496.3	94.1	684	7.54	<.5	<.1	<.5	<.1	2	<.1	<.1	<.1	109	.32	.005	<1	452.2	6.01	3	.016	3	.25	.003	<.01	<.1	<.01	5.0	<.1	.80	1	2.8	<2	4	7
C 152850 PULP	1.2	10252.2	51.2	135	3.6	>9999	358.6	444	15.14	22.8	2.6	57.9	3.3	22	1.4	2.2	3.0	53	.68	.049	13	147.0	1.20	44	.102	<1	1.81	.072	.51	.9	<.01	2.1	.4	5.53	5	21.7	119	385	357
C 152851	.6	84.7	.3	16	<.1	124.1	62.6	387	3.88	<.5	<.1	<.5	<.1	5	<.1	<.1	<.1	90	.77	.005	<1	602.6	3.16	10	.028	1	.52	.005	.03	.1	<.01	3.8	<.1	.65	1	2.0	2	3	4
C 152852	.8	185.8	9.4	20	<.1	200.9	125.1	397	6.31	<.5	<.1	.8	<.1	3	.1	<.1	<.1	67	.53	.004	<1	524.4	3.93	7	.020	2	.35	.004	.01	.1	<.01	3.5	<.1	1.22	1	4.1	16	<2	<2
C 152853	.4	64.6	.2	16	<.1	392.4	92.2	680	4.82	.7	<.1	.7	<.1	2	<.1	.1	<.1	33	.31	.003	<1	838.2	6.60	12	.018	7	.31	.001	.03	<.1	<.01	4.1	<.1	.47	1	1.8	<2	<2	<2
C 152854	.1	111.9	.3	21	<.1	520.9	116.3	800	5.94	1.9	<.1	3.4	<.1	2	<.1	.1	<.1	26	.18	.002	<1	1147.7	9.22	7	.012	23	.17	.001	.01	<.1	<.01	5.0	<.1	.57	1	2.1	3	<2	<2
C 152855	.2	83.9	.2	10	<.1	151.0	70.2	320	3.40	<.5	<.1	1.0	<.1	2	<.1	<.1	<.1	29	.48	.001	<1	500.2	4.39	5	.011	5	.15	.001	.01	.1	<.01	3.5	<.1	.46	<1	1.5	<2	<2	<2
C 152856	.2	147.0	.2	21	<.1	632.7	116.2	840	5.10	<.5	<.1	<.5	<.1	1	<.1	<.1	<.1	17	.20	.002	<1	588.3	10.10	4	.009	9	.14	.002	.01	.1	<.01	3.1	<.1	.70	<1	2.8	<2	<2	<2
C 152857	.4	154.3	.6	36	<.1	950.7	143.8	1443	7.65	.8	<.1	5.0	.1	14	<.1	.2	<.1	23	.26	.022	<1	1197.9	15.97	15	.023	33	.49	.003	.15	.1	<.01	5.0	<.1	.67	1	2.7	4	<2	<2
C 152858	.3	144.2	.2	32	<.1	1452.0	160.4	1673	8.12	1.0	<.1	2.9	<.1	1	<.1	.1	<.1	14	.11	.002	<1	1074.2	19.01	3	.008	27	.09	.001	.01	.1	<.01	4.7	<.1	.75	<1	2.8	2	<2	2
RE C 152858	.3	147.0	.2	32	<.1	1466.8	160.2	1712	8.29	1.1	<.1	1.6	<.1	1	<.1	.1	<.1	14	.11	.003	<1	1088.4	19.20	3	.009	23	.10	.001	.01	.1	<.01	4.4	<.1	.72	1	2.9	2	<2	2
RRE C 152858	.4	143.0	.2	32	<.1	1473.5	163.6	1668	8.16	1.1	<.1	1.2	<.1	1	<.1	.1	<.1	14	.12	.003	<1	1098.7	18.91	2	.009	25	.12	.001	.01	.1	<.01	4.2	<.1	.69	<1	3.1	3	<2	2
C 152859	.3	134.3	.3	33	<.1	1677.1	166.4	1552	8.48	.5	<.1	1.6	<.1	1	<.1	.1	<.1	15	.12	.003	<1	1190.8	18.02	7	.010	26	.12	.001	.02	<.1	<.01	4.6	<.1	.72	<1	2.9	2	3	3
C 152860	.3	178.1	1.2	48	.2	1402.1	134.2	1242	6.75	1.5	<.1	3.3	<.1	6	<.1	.5	<.1	17	.40	.008	<1	1091.1	15.30	14	.014	28	.31	.001	.01	.1	<.01	4.3	<.1	.48	1	2.5	5	3	3
C 152861	.2	245.3	11.2	36	.2	1825.8	163.8	1595	7.88	<.5	<.1	1.4	<.1	1	<.1	.1	<.1	9	.08	.002	<1	798.0	18.98	3	.005	16	.08	.001	.01	.2	<.01	3.5	<.1	.53	<1	2.3	2	4	5
C 152862	.3	271.2	.3	38	.2	1845.3	151.5	1593	7.87	.5	<.1	2.6	<.1	<1	.1	.1	<.1	8	.04	.002	<1	718.0	19.88	2	.004	14	.04	.001	.01	.1	<.01	3.1	<.1	.39	<1	2.5	3	4	5
C 152863	.2	319.4	.4	29	.2	1734.1	130.3	1508	8.46	.7	<.1	7.8	<.1	1	<.1	.1	<.1	20	.13	.005	<1	1181.7	18.34	3	.008	28	.14	.001	.01	.1	<.01	3.9	<.1	.30	1	2.4	8	3	6
C 152864	.2	609.6	.4	29	.4	1710.6	121.5	1399	7.12	<.5	<.1	2.9	<.1	1	<.1	.1	<.1	12	.04	.003	<1	1079.3	17.62	2	.006	21	.08	<.001	.01	.1	<.01	4.1	<.1	.32	<1	2.4	6	6	5
C 152865	.3	303.7	.3	29	.2	1761.7	139.3	1436	7.60	<.5	<.1	3.2	<.1	<1	<.1	.1	<.1	10	.04	.002	<1	629.0	16.98	1	.004	19	.04	.001	<.01	.1	<.01	4.2	<.1	.37	<1	2.0	3	4	5
C 152866	.2	237.2	.3	29	.2	1704.8	131.6	1606	7.79	.5	<.1	2.1	<.1	<1	.1	.1	<.1	8	.06	.002	<1	669.4	19.03	1	.004	16	.04	<.001	<.01	<.1	<.01	3.8	<.1	.26	<1	1.8	2	4	4
C 152867	.2	404.3	.3	31	.3	2107.8	145.0	1489	7.56	<.5	<.1	2.8	<.1	<1	.1	.1	<.1	7	.08	.002	<1	669.3	17.93	1	.004	17	.03	.001	<.01	<.1	<.01	4.1	<.1	.45	<1	3.0	3	6	5
C 152868	.1	404.6	.3	27	.3	2279.2	154.1	1471	8.07	<.5	<.1	3.6	<.1	<1	.1	.1	<.1	6	.03	.001	<1	447.0	18.00	1	.003	20	.03	<.001	<.01	<.1	<.01	3.4	<.1	.53	<1	3.0	3	7	6
C 152869	.2	199.0	.3	25	.1	1515.5	137.0	1228	6.64	<.5	<.1	.9	<.1	<1	.1	.1	<.1	9	.07	.001	<1	532.9	13.94	2	.005	20	.05	.001	<.01	.1	.01	3.7	<.1	.38	<1	1.9	3	11	16
C 152870	.2	171.8	.4	28	.1	1848.9	154.9	1543	7.59	<.5	<.1	2.7	<.1	<1	<.1	.1	<.1	8	.03	.001	<1	614.1	17.44	1	.004	26	.03	.001	<.01	.1	<.01	3.8	<.1	.40	<1	2.3	2	5	6
STANDARD DS4/FA-10R	6.4	128.9	31.7	161	.3	35.8	11.8	829	3.20	23.0	6.4	27.4	3.5	27	5.6	4.3	5.0	76	.55	.092	15	164.0	.61	140	.085	<1	1.80	.032	.16	3.6	.27	3.5	1.1	<.05	6	1.4	485	477	493

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA V

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
C 152871	.3	220.4	.8	29	.1	1756.0	152.9	1575	7.94	.6	<.1	5.8	<.1	1	.1	.4	<.1	9	.02	.002	<1	1063.3	17.95	2	.005	50	.16	.004	<.01	.1	<.01	3.8	<.1	.42	1	2.5	3	3	3
C 152872	.1	155.2	.3	26	.1	1661.5	122.3	1727	7.57	<.5	<.1	2.0	<.1	<1	<.1	.1	<.1	6	.01	.002	<1	705.2	18.39	<1	.003	35	.03	.003	<.01	<.1	<.01	3.3	<.1	.32	<1	1.9	<2	3	3
C 152873	.5	116.6	.8	26	.1	1718.9	129.4	1194	6.92	1.2	<.1	4.0	<.1	7	.1	.6	<.1	16	.30	.009	<1	1067.1	13.88	4	.010	44	.35	.001	<.01	.1	<.01	3.7	<.1	.34	1	2.0	<2	3	3
C 152874	.2	5.2	.3	18	<.1	83.0	9.2	419	1.33	1.2	.1	28.5	.5	14	.1	.9	<.1	37	5.07	.099	3	66.9	1.52	4	.054	18	1.68	.002	<.01	<.1	.01	4.5	<.1	<.05	2	<.5	<2	2	2
C 152875	.2	214.6	1.1	20	.1	1736.8	117.5	979	6.08	1.9	<.1	3.3	<.1	1	.1	1.1	<.1	11	.05	.002	<1	1109.8	14.20	3	.005	62	.28	.001	<.01	<.1	<.01	3.1	<.1	.42	1	2.3	2	4	4
C 152876	.1	611.6	.6	27	.2	1686.8	131.0	1812	7.25	.7	<.1	6.6	<.1	<1	<.1	.6	<.1	15	.03	.002	<1	1363.1	17.09	3	.014	49	.12	.001	.01	<.1	.01	4.0	<.1	.42	<1	2.3	3	8	9
C 152877	.3	183.4	.9	24	.1	2075.0	157.9	1083	7.52	1.2	<.1	5.1	<.1	1	.1	.9	<.1	26	.04	.001	<1	1271.0	14.42	4	.011	52	.14	.001	<.01	<.1	<.01	7.8	<.1	.52	1	2.9	<2	30	26
C 152878	.1	418.3	.9	25	.2	2589.8	164.6	1665	7.57	<.5	<.1	4.7	<.1	<1	.1	.7	.1	9	.06	.002	<1	999.8	16.00	1	.005	50	.04	<.001	<.01	<.1	<.01	3.1	<.1	.64	<1	3.6	3	31	33
C 152879	.1	190.5	.7	23	.1	1821.8	161.4	1222	7.69	.9	<.1	3.4	<.1	1	.1	.8	<.1	12	.06	.002	<1	1072.0	14.14	3	.006	49	.07	.001	<.01	.1	<.01	5.1	<.1	.47	<1	2.5	<2	7	7
C 152880 PULP	1.8	541.7	20.5	21	.2	1716.6	75.5	375	4.44	1.4	.1	6.7	.1	8	.1	.2	.3	24	.35	.006	<1	546.0	6.21	11	.019	11	.76	.020	.04	.3	.05	2.8	.2	.38	2	1.5	5	88	282
C 152881	<.1	166.0	.6	17	.1	1527.0	111.7	820	5.38	.6	<.1	1.4	<.1	2	.1	.7	<.1	11	.21	.001	<1	783.3	10.27	3	.007	31	.10	.001	<.01	<.1	<.01	3.4	<.1	.37	<1	1.7	<2	5	6
C 152882	.3	496.7	.7	24	.3	3377.1	189.8	1564	7.04	.6	<.1	2.6	<.1	1	.1	.8	.1	6	.44	.001	<1	1139.4	16.95	<1	.003	70	.03	<.001	<.01	.1	<.01	2.7	<.1	.82	<1	4.0	4	19	23
C 152883	<.1	150.8	.3	18	.1	1575.0	119.0	1289	7.13	.6	<.1	.9	<.1	1	<.1	.7	<.1	6	.09	.003	<1	816.1	18.36	1	.003	65	.03	.001	<.01	.1	<.01	2.8	<.1	.28	<1	1.7	<2	13	14
C 152884	.2	201.0	.3	20	.1	1886.2	131.6	1326	6.79	<.5	<.1	1.3	<.1	<1	.1	.6	.1	4	.06	.001	<1	698.0	18.88	<1	.002	71	.02	<.001	<.01	.1	<.01	2.8	<.1	.34	<1	2.1	<2	22	22
C 152885	.1	492.8	.5	21	.2	1982.6	150.0	1658	6.10	.9	<.1	2.7	<.1	<1	<.1	1.4	.1	8	.01	.001	<1	1223.9	18.40	1	.006	71	.04	.001	<.01	.1	<.01	3.3	<.1	.39	<1	2.4	3	25	29
C 152886	.1	327.0	.9	338	.2	1810.8	124.8	900	6.71	.8	<.1	2.2	<.1	1	1.1	1.4	.1	7	.03	.005	<1	594.1	15.99	1	.004	51	.03	.001	<.01	.1	.01	2.2	<.1	.56	<1	2.4	2	15	15
C 152887	.1	199.2	1.3	21	.2	2100.2	151.7	527	6.61	2.4	<.1	4.1	<.1	8	.3	1.7	.1	26	.68	.003	<1	1519.9	16.42	11	.019	65	.14	.002	<.01	<.1	.01	11.3	<.1	.61	1	2.8	3	21	20
C 152888	.1	449.9	1.2	18	.2	1964.8	132.1	1082	6.44	1.3	<.1	4.0	<.1	<1	.2	1.4	.1	6	.05	.001	<1	596.4	15.23	<1	.002	56	.03	.001	<.01	.1	<.01	2.5	<.1	.55	<1	2.7	3	19	15
RE C 152888	.2	473.4	1.3	18	.2	2040.9	135.3	1146	6.83	1.1	<.1	4.7	<.1	<1	.2	1.5	.1	6	.05	.001	<1	623.4	16.18	<1	.002	58	.03	.001	<.01	.1	<.01	2.7	<.1	.58	<1	2.6	4	12	14
RRE C 152888	<.1	451.9	1.3	17	.2	1993.6	133.0	1115	6.71	1.2	<.1	2.7	<.1	<1	.2	1.3	.1	6	.04	.001	<1	617.8	15.91	1	.002	55	.03	.001	<.01	<.1	<.01	2.7	<.1	.57	<1	2.5	3	10	15
C 152889	.3	476.3	1.3	24	.2	2262.8	151.4	1466	6.53	1.5	<.1	5.3	<.1	<1	.2	1.9	.1	7	.02	.001	<1	736.6	18.46	<1	.004	64	.04	.001	<.01	.1	<.01	2.6	<.1	.62	<1	3.1	3	12	12
C 152890	.1	214.8	.7	17	.1	1628.1	102.0	1306	7.17	1.1	<.1	2.6	<.1	<1	<.1	1.4	<.1	11	.02	.001	<1	508.0	17.66	<1	.008	64	.05	.001	<.01	.1	<.01	3.7	<.1	.36	<1	1.6	2	2	2
C 152891	.3	128.9	.3	13	.1	1644.3	113.4	1264	7.08	.8	<.1	1.6	<.1	2	<.1	.7	<.1	5	.82	.001	<1	308.6	18.13	<1	.003	56	.02	<.001	<.01	.1	<.01	2.7	<.1	.36	<1	1.9	<2	28	30
B 200139	.3	30.9	.6	11	.3	1677.5	92.3	488	6.02	9.0	<.1	1.3	.1	5	<.1	4.8	<.1	19	.34	.006	1	1833.3	18.46	8	.018	190	.38	<.001	.02	.1	<.01	2.3	<.1	.18	1	1.5	<2	21	22
B 200140 PULP	.3	710.8	2.0	11	.5	1059.7	35.5	120	3.29	<.5	.8	33.1	.1	10	<.1	<.1	.1	16	.22	.007	<1	191.9	2.04	18	.024	1	.31	.037	.01	.1	.01	2.0	<.1	.13	1	4.3	38	137	105
B 200141	.1	62.6	.5	11	.3	1585.6	88.9	352	6.12	11.3	.1	1.1	.1	2	<.1	4.8	<.1	23	.07	.006	1	2074.9	18.27	6	.027	184	.48	.001	.01	.3	<.01	2.8	<.1	.14	1	1.4	2	7	5
B 200142	.2	146.5	.9	43	.4	1102.3	64.4	399	3.14	10.1	<.1	8.5	.4	7	.1	5.9	<.1	43	.36	.034	1	1530.0	17.96	14	.071	183	1.46	.003	.03	.2	.02	6.0	<.1	.09	2	1.1	12	5	4
B 200143	.2	68.7	.5	8	.2	1765.1	94.5	369	5.59	10.4	.1	2.4	.2	1	<.1	5.6	.1	22	.01	.007	1	2188.6	18.48	9	.031	200	.44	.001	.02	.3	<.01	3.5	<.1	.18	1	1.9	3	20	15
B 200144	.3	118.4	5.1	23	.4	1720.5	90.7	811	4.83	10.9	<.1	3.5	.1	14	<.1	5.3	.1	17	1.23	.006	1	1780.5	18.16	4	.016	164	.27	.001	.01	.2	.01	2.3	<.1	.23	1	1.5	6	7	13
B 200145	.3	231.2	.5	22	.4	1777.9	101.7	2130	5.82	6.8	<.1	3.3	.1	3	<.1	4.3	.1	17	.28	.005	<1	1817.5	21.87	4	.009	150	.21	<.001	.01	.4	.01	2.8	<.1	.22	1	1.7	4	10	13
B 200146	.1	173.3	.6	18	.3	1817.0	90.6	1605	6.46	7.0	<.1	2.5	<.1	5	<.1	6.1	.1	24	.54	.007	1	1827.8	19.61	1	.009	153	.21	.001	<.01	.2	<.01	2.4	<.1	.23	1	1.8	2	23	29
B 200147	1.3	142.2	1.0	10	.2	2811.4	140.9	337	6.16	8.7	.1	2.9	.1	4	<.1	5.8	.1	34	.31	.005	1	1254.8	16.75	3	.020	161	.43	<.001	<.01	.2	<.01	3.1	<.1	.52	1	2.9	2	34	33
B 200148	.6	136.9	1.0	30	.3	1788.1	101.8	848	5.26	4.8	.1	2.3	.3	14	.2	4.6	.1	78	1.26	.063	1	794.0	13.95	4	.041	112	1.64	.001	<.01	.1	.05	8.8	<.1	.42	3	2.0	<2	18	20
B 200149	.8	185.5	1.5	17	.2	2982.1	133.6	941	6.46	7.0	<.1	1.4	.1	3	.1	6.8	.1	26	.16	.005	<1	1502.2	19.15	3	.010	182	.16	.001	.01	.2	<.01	3.1	<.1	.75	1	3.3	<2	15	15
B 200150	.8	346.9	1.6	37	.2	1793.4	134.6	1323	7.61	6.1	<.1	2.7	.1	2	.4	6.0	.1	32	.09	.005	<1	1448.4	19.38	5	.015	160	.15	<.001	.01	.1	<.01	3.4	<.1	.59	<1	2.3	3	8	7
STANDARD DS4/	6.4	130.1	32.3	163	.3	35.3	11.7	839	3.22	22.9	6.3	28.0	3.6	27	5.3	4.2	5.2	75	.55	.097	15	165.7	.61	140	.084	2	1.75	.032	.16	3.8	.29	3.4	1.2	<.05	6	1.5	491	485	499

Standard is STANDARD DS4/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA Y

SAMPLE#	Ni/S %	Ni/Ox %
C 150375	.004	.001
C 152735	.148	.023
C 152745	.056	.011
C 152775	.138	.009
C 152785	.152	.022
C 152795	.093	.012
C 152805	.061	.010
C 152815	.094	.011
C 152825	.161	.007
C 152835	.183	.007
C 152845	.134	.004
C 152855	.018	.001
RE C 152855	.018	.001
C 152865	.184	.012
C 152875	.170	.013
C 152885	.227	.031
B 200145	.220	.014
STANDARD R-2	.301	.021

NI/S + NI/OXIDE : LEACHED WITH H2O2 + NH4 CITRATE. NI/OXIDE : LEACHED WITH NH4 CITRATE.
NI/S = (NI/S + NI/OXIDE) - NI/OXIDE.
- SAMPLE TYPE: P1 TO P5 CORE P
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 19 2003 **DATE REPORT MAILED:** July 7/03 **SIGNED BY:** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ____

(ISO [illegible]2 Accredited Co.)

ASSAY CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A302118 Page 1

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Cu %	Ni %	Co %
SI	.001	<.001	<.001
C 150372	.022	.146	.016
C 150373	.023	.105	.008
C 150374	.005	.099	.006
C 150375	.008	.008	.002
C 150376	.006	.004	.001
C 150377	.014	.007	.003
C 152727	.008	.191	.011
C 152728	.014	.140	.009
C 152729	.017	.137	.011
C 152730 PULP	.075	.116	.003
C 152731	.009	.128	.008
C 152732	.005	.149	.009
C 152733	.009	.149	.009
C 152734	.010	.153	.010
C 152735	.016	.179	.012
C 152736	.011	.183	.011
C 152737	.007	.153	.009
C 152738	.015	.119	.009
C 152739	.019	.103	.010
C 152740	.039	.100	.009
C 152741	.046	.196	.010
C 152742	.035	.226	.012
RE C 152742	.036	.234	.012
RRE C 152742	.036	.233	.012
C 152743	.010	.167	.011
C 152744	.006	.162	.011
C 152745	.005	.159	.010
C 152746	.013	.147	.013
C 152747	.015	.161	.014
C 152770	.005	.074	.006
C 152771	.005	.037	.003
C 152772	.004	.097	.007
C 152773	.012	.150	.012
C 152774	.025	.157	.014
STANDARD R-2	.550	.372	.044

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
- SAMPLE TYPE: P1 TO P5 CORE P Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 19 2003 **DATE REPORT MAILED:** June 27/03 **SIGNED BY:** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA ___

SAMPLE#	Cu %	Ni %	Co %
C 152775	.024	.157	.013
C 152776	.007	.073	.006
C 152777	.008	.086	.005
C 152778	.018	.305	.014
C 152779	.018	.249	.013
C 152780	.024	.212	.012
C 152781	.039	.246	.017
C 152782	.021	.279	.016
C 152783	.003	.229	.012
C 152784	.003	.221	.012
C 152785	.005	.203	.011
C 152786	.004	.186	.011
C 152787	.003	.181	.011
C 152788	.003	.160	.010
C 152789	.004	.223	.012
C 152790 PULP	.075	.112	.004
C 152791	.003	.237	.013
C 152792	.003	.245	.013
RE C 152792	.003	.245	.013
RRE C 152792	.003	.244	.013
C 152793	.002	.255	.013
C 152794	.016	.368	.013
C 152795	.006	.256	.013
C 152796	.007	.222	.012
C 152797	.001	.232	.013
C 152798	.003	.211	.012
C 152799	.002	.208	.012
C 152800	.001	.229	.013
C 152801	.002	.249	.013
C 152802	.002	.251	.013
C 152803	.001	.242	.012
C 152804	.001	.222	.013
C 152805	.001	.214	.013
C 152806	.001	.216	.012
STANDARD R-2	.554	.367	.045

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ___

SAMPLE#	Cu %	Ni %	Co %
C 152807	.001	.223	.013
C 152808	.012	.028	.005
C 152809	.002	.208	.013
C 152810	.001	.247	.013
C 152811	.001	.251	.014
C 152812	.002	.264	.013
C 152813	.002	.283	.014
C 152814	.002	.251	.015
C 152815	.003	.268	.015
C 152816	.005	.234	.015
C 152817	.016	.237	.014
C 152818	.014	.242	.015
C 152819	.004	.218	.014
C 152820 PULP	.075	.114	.004
C 152821	.006	.204	.013
C 152822	.004	.229	.014
C 152823	.007	.201	.013
C 152824	.005	.182	.012
C 152825	.045	.187	.019
C 152826	.072	.163	.021
C 152827	.022	.185	.017
C 152828	.017	.174	.012
RE C 152828	.017	.178	.013
RRE C 152828	.016	.179	.013
C 152829	.005	.197	.012
C 152830	.005	.188	.012
C 152831	.025	.089	.009
C 152832	.019	.288	.013
C 152833	.022	.199	.019
C 152834	.035	.152	.016
C 152835	.020	.185	.012
C 152836	.014	.216	.014
C 152837	.010	.216	.015
C 152838	.018	.138	.013
STANDARD R-2	.563	.377	.045

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Cu %	Ni %	Co %
C 152839	.022	.129	.009
C 152840	.001	.025	.002
C 152841	.042	.172	.010
C 152842	.007	.187	.009
C 152843	.010	.152	.008
C 152844	.017	.113	.007
C 152845	.032	.125	.010
C 152846	.006	.134	.009
C 152847	.038	.173	.017
C 152848	.010	.118	.010
C 152849	.009	.052	.008
C 152850 PULP	.934	1.197	.038
C 152851	.009	.014	.006
C 152852	.019	.021	.012
C 152853	.007	.044	.009
C 152854	.012	.056	.011
C 152855	.009	.016	.006
C 152856	.015	.063	.011
C 152857	.015	.094	.013
C 152858	.015	.147	.015
RE C 152858	.014	.152	.016
RRE C 152858	.015	.158	.016
C 152859	.014	.181	.017
C 152860	.018	.144	.013
C 152861	.024	.179	.015
C 152862	.027	.210	.014
C 152863	.032	.196	.012
C 152864	.061	.182	.012
C 152865	.032	.209	.013
C 152866	.024	.182	.013
C 152867	.042	.252	.014
C 152868	.042	.288	.016
C 152869	.020	.158	.013
C 152870	.017	.188	.014
STANDARD R-2	.569	.381	.046

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Cu %	Ni %	Co %
C 152871	.023	.189	.014
C 152872	.015	.179	.013
C 152873	.011	.168	.012
C 152874	.001	.009	.001
C 152875	.022	.169	.011
C 152876	.064	.201	.013
C 152877	.018	.222	.015
C 152878	.043	.306	.017
C 152879	.019	.189	.015
C 152880 PULP	.057	.183	.007
C 152881	.018	.149	.011
C 152882	.054	.374	.018
C 152883	.015	.168	.013
C 152884	.022	.185	.012
C 152885	.051	.253	.016
C 152886	.034	.234	.014
C 152887	.022	.232	.015
C 152888	.048	.254	.015
RE C 152888	.047	.250	.014
RRE C 152888	.046	.245	.014
C 152889	.050	.280	.016
C 152890	.022	.178	.011
C 152891	.013	.208	.012
B 200139	.003	.199	.010
B 200140 PULP	.074	.110	.003
B 200141	.006	.188	.010
B 200142	.015	.114	.006
B 200143	.007	.234	.010
B 200144	.013	.223	.010
B 200145	.025	.223	.011
B 200146	.019	.213	.010
B 200147	.014	.351	.015
B 200148	.014	.208	.010
B 200149	.021	.339	.013
B 200150	.038	.215	.014
STANDARD R-2	.565	.366	.044

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A302254 Page 1

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
I	.3	.5	.3	<1	<.1	.4	<.1	2	.02	.6	<.1	<.5	<.1	3	<.1	<.1	<.1	1	.11	<.001	<1	1.0	<.01	2	.003	7	.01	.542	.01	.2	<.01	.1	<.1	.06	<1	<.5	<2	<2	<2
81056	.4	768.4	1.2	9	.1	722.0	202.9	243	6.83	2.7	<.1	<.5	<.1	2	.1	.1	.1	28	.52	.001	<1	331.5	3.45	4	.011	4	.08	.008	<.01	<.1	.01	2.9	<.1	3.25	<1	6.4	9	21	14
81057	22.8	123.6	3.2	21	.2	48.3	21.3	143	3.15	1.2	1.7	<.5	2.5	9	.2	.1	.1	18	.22	.044	8	19.3	.44	106	.094	4	.65	.023	.23	4.0	.01	1.3	.1	1.64	1	2.4	<2	<2	<2
81058	15.2	655.7	.5	49	.3	2431.6	288.0	1443	13.72	1.2	<.1	<.5	<.1	1	.1	<.1	.1	41	.05	.007	<1	415.9	13.81	6	.011	10	.13	.001	.01	<.1	<.01	3.6	<.1	3.42	1	15.4	3	5	12
81059	15.6	439.1	.2	50	.4	2257.8	225.4	1279	10.43	<.5	<.1	<.5	<.1	1	.2	<.1	<.1	11	.04	.004	<1	110.0	18.40	4	.006	3	.03	.002	<.01	.6	.01	3.6	<.1	2.07	<1	11.5	3	10	15
81060	4.5	1406.0	1.5	46	.1	3979.1	255.4	1201	11.18	<.5	<.1	1.0	<.1	<1	.1	<.1	.1	13	.02	.003	<1	245.1	18.69	1	.008	15	.03	<.001	<.01	<.1	.01	4.1	<.1	3.88	<1	15.5	<2	28	19
81061	1.6	496.3	1.1	26	.1	1002.2	296.9	1111	9.42	.8	<.1	<.5	<.1	<1	.1	<.1	<.1	<1	.04	.002	<1	47.4	19.37	1	.002	4	<.01	<.001	<.01	.7	<.01	3.1	<.1	1.66	<1	5.7	<2	8	10
81062	1.6	95.3	.5	78	.1	1546.2	84.0	1117	5.84	1.2	<.1	<.5	<.1	2	.1	<.1	<.1	43	.04	.004	<1	762.2	13.45	3	.010	<1	.23	.002	.01	<.1	<.01	8.6	<.1	.64	1	2.7	19	22	19
81063	1.1	909.5	.9	27	.1	3227.8	251.9	1170	11.36	<.5	<.1	<.5	<.1	<1	.2	<.1	<.1	19	.05	.005	<1	331.6	12.65	13	.013	<1	.07	.001	.02	.4	.01	3.7	<.1	3.08	<1	12.5	3	30	30
81064	1.7	766.7	1.3	35	<.1	3340.2	223.2	1001	9.48	<.5	<.1	<.5	<.1	<1	.2	<.1	.2	3	.03	.002	<1	94.7	22.45	1	.001	<1	.01	.001	<.01	<.1	<.01	4.2	<.1	.99	<1	6.9	3	8	34
81065	2.6	341.3	.8	42	.1	2865.4	219.8	1447	9.48	<.5	<.1	<.5	<.1	<1	.1	<.1	.2	3	.04	.002	<1	152.4	25.37	<1	.003	<1	.01	.001	<.01	.9	<.01	3.8	<.1	1.35	<1	5.5	<2	29	31
81066	1.3	675.0	.5	50	.1	1310.0	168.0	1257	10.28	<.5	<.1	<.5	<.1	<1	.1	<.1	<.1	6	.11	.004	<1	113.8	11.97	2	.002	<1	.02	<.001	<.01	.6	<.01	2.5	<.1	2.52	<1	8.4	<2	47	32
81067	.2	1073.3	.7	38	.1	2405.1	234.4	1369	11.99	<.5	<.1	<.5	<.1	<1	.1	<.1	.1	1	.06	.004	<1	95.0	21.59	2	.001	<1	.01	.001	<.01	<.1	<.01	4.0	<.1	1.86	<1	9.5	<2	114	43
81068	21.0	258.5	.8	24	.2	888.3	86.8	386	4.94	.6	<.1	<.5	<.1	3	.1	<.1	<.1	119	.22	.005	<1	472.3	4.43	7	.012	<1	.20	.006	<.01	<.1	.01	2.9	<.1	1.73	1	5.6	2	3	5
81069	1.5	861.7	.3	61	.3	1423.4	248.2	1337	11.84	<.5	<.1	.8	<.1	1	.2	<.1	<.1	20	.08	.004	<1	214.5	11.78	3	.007	<1	.06	.001	<.01	.7	.01	3.3	<.1	2.97	<1	7.3	4	9	6
81070	2.0	958.9	.8	44	.2	3327.3	221.8	1334	10.92	<.5	<.1	<.5	<.1	<1	.3	<.1	.1	3	.03	.004	<1	213.3	21.49	2	.008	<1	.01	.001	<.01	1.0	<.01	3.7	<.1	1.90	<1	7.9	4	53	85
152892	.1	106.7	.4	18	.1	1754.0	127.7	1278	6.56	1.5	<.1	<.5	<.1	1	<.1	1.0	.1	5	.20	.001	<1	403.4	19.07	<1	.002	59	.03	.002	<.01	.1	<.01	3.0	<.1	.33	<1	1.5	<2	<2	<2
152893	.8	173.1	.4	21	.1	2149.4	142.9	1293	6.75	1.2	<.1	<.5	<.1	2	<.1	.7	.1	5	.44	.002	<1	458.2	18.67	<1	.004	60	.02	.002	<.01	.3	<.01	3.5	<.1	.45	<1	2.1	<2	4	3
152894	.2	270.7	.7	25	.1	2059.4	131.7	1303	7.28	2.8	<.1	1.7	<.1	2	.2	2.0	.1	19	.41	.007	<1	990.7	18.61	1	.013	69	.18	<.001	<.01	.1	<.01	4.1	<.1	.41	1	2.7	4	10	10
152895	.6	231.7	.5	18	.1	2087.6	141.2	1011	5.67	1.7	<.1	<.5	<.1	<1	<.1	.8	.1	5	.05	.001	<1	489.4	18.25	<1	.005	47	.02	<.001	<.01	.3	.01	2.8	<.1	.45	<1	2.7	2	22	17
152896	.1	201.4	.6	17	.1	1728.6	132.6	1049	6.11	1.5	<.1	2.2	<.1	<1	.1	1.0	.1	8	.01	.001	<1	546.6	16.06	<1	.004	44	.04	.001	<.01	.1	<.01	4.2	<.1	.41	<1	2.4	2	14	14
152897	.5	494.7	.5	21	.3	1811.8	136.6	1469	7.54	1.4	<.1	1.6	<.1	<1	.1	.8	.1	5	.04	.002	<1	685.7	18.05	<1	.008	53	.02	.001	<.01	.3	<.01	3.4	<.1	.46	<1	2.8	3	14	11
152898	.2	503.9	1.0	21	.3	3837.2	199.9	1131	7.95	1.0	<.1	2.9	<.1	<1	.2	.7	.1	6	.02	.002	<1	504.5	18.42	<1	.005	51	.02	.001	<.01	.1	<.01	3.4	<.1	.95	<1	4.8	5	24	26
E C 152898	.2	510.4	1.0	21	.3	3803.8	198.8	1150	8.02	1.0	<.1	2.8	<.1	<1	.1	.5	.1	5	.02	.001	<1	494.2	18.67	<1	.003	50	.02	.001	<.01	.1	<.01	3.7	<.1	.97	<1	5.2	4	25	27
RE C 152898	.1	514.4	1.0	22	.3	3908.2	201.4	1152	8.15	1.1	<.1	2.4	<.1	<1	.2	.7	.1	5	.01	.001	<1	496.4	18.81	<1	.004	55	.02	.001	<.01	.1	<.01	3.6	<.1	.94	<1	5.4	4	26	26
152899	.6	504.8	.9	18	.3	3724.8	191.2	1161	8.24	.9	<.1	1.7	<.1	<1	.1	.6	.1	4	.04	.002	<1	478.5	18.92	<1	.005	49	.01	.001	<.01	.4	<.01	3.0	<.1	1.02	<1	5.4	3	24	26
152900	.6	576.8	.9	19	.3	4022.0	190.8	1149	8.23	1.3	<.1	1.6	<.1	<1	.1	.6	.1	3	.02	.001	<1	572.8	19.74	<1	.003	44	.01	.001	<.01	.4	<.01	3.3	<.1	1.01	<1	5.2	4	33	32
152901	.1	1071.3	1.0	21	.6	5139.9	219.3	1246	9.12	1.0	<.1	3.6	<.1	<1	.2	.6	.2	4	.07	.001	<1	770.8	20.72	<1	.001	52	.01	.002	<.01	.1	<.01	3.4	<.1	1.19	<1	7.3	5	24	31
152902	.9	825.8	6.6	23	.5	4316.2	198.2	1211	8.46	.8	<.1	3.1	<.1	<1	.1	.5	.2	3	.02	.001	<1	603.3	19.55	<1	.005	55	.01	.001	<.01	.4	<.01	3.1	<.1	1.02	<1	6.5	5	19	21
152903	.1	392.4	.6	22	.3	3300.1	173.3	1121	7.52	1.2	<.1	1.3	<.1	<1	.2	.7	.1	3	.01	.001	<1	408.1	20.10	<1	.007	49	.01	<.001	<.01	<.1	<.01	2.9	<.1	.78	<1	4.1	2	98	98
152904	.7	288.0	.6	21	.2	2665.7	138.6	1019	6.56	1.1	<.1	1.7	<.1	<1	.1	.6	.1	3	.02	.001	<1	435.8	18.37	<1	.006	50	.01	.001	<.01	.4	<.01	3.6	<.1	.60	<1	3.2	3	14	16
152905	.1	337.0	.9	22	.2	3393.7	150.6	1232	7.10	1.6	<.1	2.2	<.1	<1	.1	.9	.1	3	.04	.001	<1	431.1	19.67	<1	.003	68	.01	.001	<.01	.1	<.01	3.7	<.1	.86	<1	4.6	13	44	43
152906	.7	218.6	.9	20	.1	3134.0	144.6	1009	7.05	1.2	<.1	1.6	<.1	<1	<.1	.7	.1	3	.05	.001	<1	426.0	19.68	<1	.003	73	.01	<.001	<.01	.5	<.01	3.4	<.1	.79	<1	3.8	3	14	14
152907	<.1	136.8	1.2	23	.1	2303.3	125.6	1301	6.70	2.6	<.1	3.1	<.1	<1	<.1	1.5	.1	4	.01	.001	<1	637.6	21.27	<1	.001	79	.01	.001	<.01	.2	<.01	4.0	<.1	.59	<1	3.1	3	3	3
152908	.7	166.3	1.3	23	.1	2203.1	125.0	1670	7.43	4.6	<.1	3.4	<.1	<1	<.1	3.7	.1	6	.05	.002	<1	1122.0	25.87	<1	.001	108	.02	.001	<.01	.5	.01	3.2	<.1	.55	<1	2.6	4	<2	<2
STANDARD DS4	6.6	127.5	31.0	161	.3	35.6	12.4	809	3.20	23.3	6.2	25.3	3.8	27	5.4	4.4	5.0	76	.54	.088	18	167.5	.59	143	.087	<1	1.80	.029	.16	4.0	.29	3.5	1.2	<.05	6	1.5	485	484	497

Standard is STANDARD DS4/FA-10R.

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: P1 TO P3 CORE P AU** PT** & PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (15 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 26 2003 DATE REPORT MAILED: July 11/03 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data V FA V

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
C 152909	.5	154.3	1.3	19	.1	2348.6	122.8	1370	5.74	4.0	<.1	3.0	<.1	<1	.1	4.7	.1	14	.05	.002	<1	835.2	16.08	<1	.004	88	.04	.003	<.01	.3	.01	5.3	<.1	.51	<1	2.7	4	5	5
C 152910 PULP	.2	690.9	1.3	10	.5	1030.1	37.1	111	3.09	.6	.9	30.2	.1	9	<.1	.1	.1	17	.18	.007	<1	165.2	2.01	18	.020	<1	.28	.033	.01	.1	.01	2.1	<.1	.15	1	4.5	42	157	99
C 152911	.7	198.6	1.6	22	.1	2426.6	129.1	1627	5.85	6.0	<.1	4.4	<.1	2	.1	7.1	.1	15	.50	.002	<1	945.2	16.27	<1	.002	101	.06	.002	<.01	.2	.01	3.3	<.1	.58	<1	2.5	6	20	21
C 152912	.5	254.4	2.4	24	.1	2169.2	113.4	1253	6.06	9.4	<.1	6.4	.1	3	.1	9.8	.1	29	.54	.014	<1	1879.2	15.52	1	.008	125	.33	.002	<.01	.2	<.01	4.0	<.1	.47	1	2.6	7	21	19
C 152913	1	17.7	.5	29	<.1	50.4	9.4	476	1.73	11.2	.2	.8	.7	113	.1	1.5	<.1	39	6.42	.091	3	30.5	2.25	9	.050	4	2.29	.001	<.01	.1	.01	5.2	<.1	<.05	4	<.5	<2	<2	<2
C 152914	.1	112.7	1.0	39	.1	712.1	45.7	1150	3.41	292.1	.1	2.5	.2	491	.5	1.0	<.1	88	10.13	.112	2	371.3	7.49	17	.013	4	2.94	.005	<.01	.1	<.01	9.8	<.1	<.05	4	<.5	3	20	8
C 152915	.2	318.2	2.3	17	.2	2765.4	132.3	927	5.92	9.2	<.1	3.9	<.1	11	.2	7.9	.1	32	.45	.004	<1	1913.6	15.17	1	.007	126	.28	<.001	<.01	.2	.01	4.4	<.1	.37	1	2.5	5	28	29
C 152916	.4	469.1	1.7	22	.2	2609.4	133.2	1496	6.06	7.4	<.1	3.2	<.1	20	.1	8.3	.1	17	1.03	.003	<1	1231.0	16.43	1	.003	135	.06	.001	<.01	.3	.01	4.4	<.1	.47	1	3.0	5	31	33
C 152917	.2	284.7	1.3	22	.1	2549.6	123.9	1259	5.30	3.4	<.1	2.4	<.1	8	.1	4.5	<.1	11	.47	.002	<1	683.4	16.04	<1	.001	100	.03	<.001	<.01	.2	.01	3.1	<.1	.47	<1	2.6	2	7	11
C 152918	3	204.2	1.7	13	.1	4875.1	162.1	875	6.32	2.4	<.1	.8	<.1	12	<.1	4.3	.1	11	.87	.002	<1	332.0	13.10	1	.004	78	.05	<.001	<.01	.2	.01	3.1	<.1	.76	<1	4.3	2	20	22
C 152919	.1	250.8	1.7	17	.1	3923.4	140.8	1346	6.48	6.2	<.1	3.6	<.1	1	<.1	8.3	.1	30	.06	.003	<1	1008.6	18.07	2	.039	130	.21	.001	<.01	.2	<.01	7.0	<.1	.57	1	3.5	3	14	14
C 152920	.4	152.6	1.3	15	.1	3694.7	139.7	1619	5.63	4.4	<.1	2.5	<.1	6	<.1	5.1	.1	12	.70	.001	<1	491.0	17.14	<1	.002	107	.05	.001	<.01	.4	.01	3.6	<.1	.51	<1	2.8	2	12	13
C 152921	.2	211.6	1.6	17	.1	3618.7	152.0	1266	6.37	8.4	<.1	3.1	<.1	3	<.1	8.1	.1	33	.32	.010	<1	1382.5	17.90	1	.049	152	.21	.001	<.01	.2	<.01	8.6	<.1	.50	1	3.0	2	11	13
C 152922	.4	724.5	2.5	22	.3	2495.2	123.5	1435	6.31	8.5	<.1	3.1	<.1	1	.1	9.2	.1	35	.11	.005	<1	2086.1	19.23	1	.016	164	.16	<.001	<.01	.3	.01	5.7	<.1	.37	1	2.6	4	2	2
C 152923	.3	501.1	2.3	21	.2	2477.0	121.2	1628	5.54	8.2	<.1	2.7	<.1	1	.1	9.3	.1	30	.22	.002	<1	1898.8	19.25	1	.006	169	.13	.001	<.01	.2	<.01	4.8	<.1	.32	1	2.4	4	2	2
C 152924	.4	381.2	2.1	18	.2	2352.4	106.7	1161	5.01	10.3	<.1	2.9	<.1	<1	.1	9.4	.1	33	.04	.002	<1	2019.2	19.16	1	.009	183	.12	.001	<.01	.3	<.01	5.3	<.1	.29	<1	2.0	3	2	2
C 152925	.2	185.9	2.8	16	.1	4434.8	204.6	729	7.59	8.1	<.1	2.5	<.1	1	<.1	9.0	.1	32	.02	.001	<1	1639.2	16.39	2	.009	139	.10	.001	<.01	.2	.01	7.7	<.1	.52	<1	3.6	3	18	24
C 152926	.2	289.5	2.6	15	.1	3608.2	162.1	420	6.37	5.8	<.1	5.6	<.1	1	.1	6.8	.1	34	.02	.001	<1	1843.3	13.32	2	.021	94	.14	.001	<.01	.2	<.01	16.0	<.1	.48	<1	3.1	4	21	27
C 152927	.2	335.8	2.3	17	.1	2823.2	132.3	468	6.84	5.1	<.1	6.6	<.1	1	.1	6.9	.1	36	.02	.001	<1	2031.3	14.12	2	.021	96	.13	<.001	<.01	.1	<.01	17.9	<.1	.36	1	2.5	6	15	20
C 152928	.3	149.3	1.5	18	.1	4298.7	164.1	1369	7.00	3.0	<.1	2.2	<.1	2	<.1	3.4	.1	8	.31	.002	<1	386.2	14.72	<1	.002	68	.02	.001	<.01	.3	.01	3.4	<.1	.53	<1	3.6	2	15	15
RE C 152928	.4	147.2	1.5	17	.1	4375.2	165.0	1405	7.29	3.3	<.1	2.5	<.1	2	<.1	3.4	.1	8	.32	.001	<1	380.5	15.04	<1	.002	68	.02	<.001	<.01	.3	<.01	3.2	<.1	.51	<1	3.3	3	14	15
RRE C 152928	.1	151.9	1.4	19	.1	4317.3	162.1	1361	6.92	2.7	<.1	1.9	<.1	2	<.1	3.4	.1	8	.31	.002	<1	375.6	14.45	<1	.002	70	.02	<.001	<.01	.1	<.01	3.6	<.1	.54	<1	3.2	<2	12	15
C 152929	.6	166.3	1.3	23	.1	3814.7	143.7	1838	6.46	3.6	<.1	7.9	<.1	<1	<.1	3.7	.1	12	.05	.002	<1	1050.1	19.88	<1	.001	114	.02	.001	<.01	.3	<.01	3.6	<.1	.42	<1	3.3	<2	13	14
C 152930	.1	207.9	1.3	25	.1	4462.6	168.5	1702	6.87	4.7	<.1	2.3	<.1	<1	<.1	5.2	.1	13	.02	.002	<1	1280.2	20.45	<1	.002	118	.02	.001	<.01	.2	.01	3.6	<.1	.48	<1	4.1	2	22	22
C 152931	.6	271.1	.9	24	.1	1845.8	105.0	1767	6.02	4.8	<.1	2.0	<.1	2	<.1	5.4	<.1	17	.32	.002	<1	1609.7	21.67	<1	.002	120	.03	.001	<.01	.3	<.01	4.2	<.1	.21	<1	1.9	2	10	7
C 152932	.2	115.4	.7	26	.1	2074.4	130.0	1650	6.59	5.1	<.1	1.0	<.1	1	<.1	5.9	.1	20	.13	.002	<1	1408.2	21.10	1	.003	127	.04	.001	<.01	.2	<.01	4.8	<.1	.22	<1	2.0	<2	4	4
C 152933	.6	85.6	.7	22	.1	2440.2	129.0	1525	5.78	4.0	<.1	.5	<.1	<1	<.1	4.4	<.1	14	.04	.001	<1	825.1	18.36	<1	.002	100	.03	<.001	<.01	.3	<.01	4.1	<.1	.25	<1	1.9	<2	4	4
C 152934	.1	670.4	1.4	41	.2	2679.7	138.6	1693	6.38	5.8	<.1	2.8	<.1	2	.3	7.4	.1	20	.30	.002	<1	1507.5	19.52	<1	.003	127	.05	.001	<.01	.2	.01	5.1	<.1	.36	<1	2.6	3	11	12
C 152935	.5	408.6	1.0	23	.2	2518.0	137.4	1554	6.37	6.5	<.1	2.6	<.1	2	.1	9.4	.1	23	.30	.001	<1	1778.9	18.97	1	.003	145	.06	.001	<.01	.3	<.01	5.8	<.1	.28	<1	2.4	<2	17	21
C 152936	.1	711.7	1.5	33	.3	2599.8	125.4	2017	6.63	11.1	<.1	5.7	<.1	1	.2	6.6	.1	21	.14	.002	<1	1758.1	22.08	<1	.002	124	.04	.001	<.01	.1	<.01	3.5	<.1	.31	<1	2.6	3	13	16
C 152937	.5	143.2	.8	19	.1	3423.0	132.0	1363	6.45	2.1	<.1	1.6	<.1	2	<.1	3.0	.1	12	.32	.002	<1	650.0	16.90	<1	.002	72	.02	<.001	<.01	.3	<.01	2.7	<.1	.36	<1	2.7	<2	13	16
C 152938	.2	525.7	1.6	30	.3	3001.7	134.3	1641	7.29	4.7	<.1	4.1	<.1	1	.2	8.2	.1	25	.12	.002	<1	1888.7	19.51	<1	.004	125	.06	.001	<.01	.2	<.01	5.4	<.1	.36	<1	3.0	4	16	18
C 152939	3.8	1258.1	2.2	41	.5	4543.2	175.6	1916	7.40	5.4	<.1	8.8	<.1	5	.5	8.2	.1	27	.89	.002	<1	1873.9	19.08	<1	.004	127	.05	.001	<.01	.2	.01	4.8	<.1	.57	<1	4.6	5	37	43
C 152940 PULP	.2	750.5	1.4	11	.5	1124.3	40.6	126	3.46	<.5	1.0	29.8	.1	11	.1	.1	.1	19	.21	.008	<1	201.0	2.17	18	.022	<1	.33	.036	.01	.1	.01	2.7	<.1	.10	1	5.1	45	133	107
STANDARD DS4/FA-10R	6.5	120.9	31.2	158	.3	35.7	11.7	776	3.04	22.4	6.2	25.8	3.6	26	5.6	4.9	5.0	73	.50	.082	16	165.0	.57	140	.079	1	1.78	.029	.14	3.9	.29	3.6	1.1	<.05	6	1.4	492	496	496

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data K FA 4

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
C 152941	.3	608.5	1.8	35	.5	3435.0	160.3	2014	6.91	5.3	<.1	3.0	<.1	8	.3	5.1	.1	24	1.32	.004	<1	1640.7	19.69	<1	.004	120	.04	.001	<.01	.2	<.01	3.7	<.1	.54	<1	3.4	2	35	38
C 152942	.5	2093.7	2.0	49	.9	4084.0	223.3	984	11.56	2.7	<.1	.9	<.1	1	2.7	2.7	.1	78	.11	.001	<1	1451.3	14.26	1	.010	67	.07	.004	<.01	.1	<.01	5.8	<.1	1.55	<1	6.2	<2	35	59
STANDARD	6.5	132.8	31.2	162	.3	34.2	12.8	812	3.14	24.0	6.4	26.5	3.6	29	5.7	4.6	5.2	74	.54	.100	18	159.2	.60	149	.084	1	1.78	.031	.15	3.5	.27	3.7	1.1	<.05	6	1.3	466	489	491

Standard is STANDARD DS4/FA-10R.

Data A FA

(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A302254 Page 1

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Cu %	Ni %	Co %	Sample kg
SI	.006	<.001	<.001	-
A 81056	.078	.075	.021	3.2
A 81057	.013	.006	.002	2.2
A 81058	.070	.264	.029	2.1
A 81059	.049	.254	.024	3.3
A 81060	.152	.461	.028	3.4
A 81061	.054	.111	.030	2.5
A 81062	.011	.168	.009	1.9
A 81063	.095	.346	.026	4.0
A 81064	.082	.366	.023	2.1
A 81065	.038	.313	.023	1.3
A 81066	.071	.137	.016	1.1
A 81067	.112	.264	.025	1.5
A 81068	.028	.092	.009	.9
A 81069	.088	.154	.025	1.9
A 81070	.105	.375	.023	2.0
C 152892	.013	.192	.013	2.0
C 152893	.019	.225	.014	2.6
C 152894	.031	.224	.013	3.0
C 152895	.026	.218	.014	2.9
C 152896	.023	.186	.013	2.8
C 152897	.053	.194	.014	1.3
C 152898	.056	.404	.020	3.4
RE C 152898	.056	.410	.020	-
RRE C 152898	.056	.406	.020	-
C 152899	.054	.427	.021	2.9
C 152900	.061	.470	.021	3.0
C 152901	.105	.532	.022	3.0
C 152902	.088	.485	.021	3.0
C 152903	.042	.350	.017	3.1
C 152904	.033	.295	.014	3.0
C 152905	.038	.371	.015	2.9
C 152906	.025	.349	.015	3.1
C 152907	.015	.243	.013	2.0
C 152908	.017	.227	.012	2.6
STANDARD R-2	.561	.375	.045	-

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
- SAMPLE TYPE: P1 TO P3 CORE P Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Sample(kg) = total core wts

DATE RECEIVED: JUN 26 2003 **DATE REPORT MAILED:** July 11/03 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

SAMPLE#	Cu %	Ni %	Co %	Sample kg
C 152909	.017	.222	.012	2.5
C 152910 PULP	.070	.108	.004	-
C 152911	.020	.231	.013	3.0
C 152912	.026	.203	.011	1.6
C 152913	.003	.007	.001	2.3
C 152914	.012	.071	.005	1.1
C 152915	.030	.244	.014	3.0
C 152916	.047	.242	.013	2.8
C 152917	.029	.229	.012	3.0
C 152918	.020	.441	.015	2.9
C 152919	.025	.343	.013	3.1
C 152920	.017	.340	.015	2.9
C 152921	.021	.325	.014	2.6
C 152922	.072	.218	.012	3.3
C 152923	.051	.225	.012	2.1
C 152924	.038	.204	.010	2.8
C 152925	.018	.388	.020	2.7
C 152926	.027	.304	.015	2.9
C 152927	.033	.243	.013	1.4
C 152928	.014	.382	.015	2.9
RE C 152928	.014	.388	.016	-
RRE C 152928	.014	.384	.015	-
C 152929	.015	.334	.013	2.9
C 152930	.020	.411	.016	2.8
C 152931	.027	.172	.010	2.9
C 152932	.010	.177	.012	2.8
C 152933	.007	.215	.012	2.9
C 152934	.065	.238	.013	2.9
C 152935	.039	.227	.013	2.9
C 152936	.068	.231	.012	2.9
C 152937	.015	.314	.014	3.0
C 152938	.051	.269	.012	2.8
C 152939	.120	.408	.016	3.4
C 152940 PULP	.069	.107	.003	-
STANDARD R-2	.558	.371	.045	-

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

SAMPLE#	Cu %	Ni %	Co %	Sample kg
C 152941	.065	.327	.014	2.8
C 152942	.209	.401	.025	2.2
STANDARD R-2	.563	.374	.045	-

Sample type: CORE R150 60C.

Data A FA

ASSAY CERTIFICATE

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Ni/S %	Ni/Ox %
A 81065	.232	.034
C 152895	.204	.012
C 152905	.373	.012
C 152915	.248	.007
C 152925	.394	.009
C 152935	.204	.019
STANDARD R-2	.296	.019

NI/S + NI/OXIDE : LEACHED WITH H2O2 + NH4 CITRATE. NI/OXIDE : LEACHED WITH NH4 CITRATE.
NI/S = (NI/S + NI/OXIDE) - NI/OXIDE.
- SAMPLE TYPE: P1 TO P3 CORE P

DATE RECEIVED: JUN 26 2003 **DATE REPORT MAILED:** July 14/03 **SIGNED BY.....C.L.....**D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ___

GEOCHEMICAL ANALYSIS CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A302255 Page 1

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
SI	.5	1.3	.3	3	.4	1.5	.2	4	.06	.5	<.1	<.5	<.1	1	<.1	.4	.1	2	.16	.001	<1	2.6	.01	4	<.001	2	.01	.775	.01	.4	<.01	.1	<.1	<.05	<1	<.5	<2	<2	<2
C 152943	.5	1890	3	3.6	61	.8	3073.6	195.7	1358	11.67	5.8	<.1	3.8	<.1	2	2.5	1.2	.1	106	.36	.002	<1	1299.0	13.21	1	.009	46	.12	.007	<.01	.1	.02	11.6	<.1	1.73	<1	6.9	<2	24	21
C 152944	.3	501.1	6.1	33	.3	3532.4	213.1	1709	10.87	8.1	<.1	3.6	<.1	6	.5	1.0	.2	139	.99	<.001	<1	1383.0	15.58	1	.007	42	.12	.015	<.01	.1	.02	15.2	<.1	1.49	1	6.0	<2	30	35
C 152945	.2	668.5	1.9	27	.3	2407.4	148.7	1382	6.41	2.8	<.1	2.7	<.1	1	.5	2.2	.1	24	.22	.002	<1	1615.4	16.22	1	.005	93	.06	.004	<.01	.1	<.01	5.9	<.1	.69	<1	3.8	<2	10	8
C 152946	.5	513.1	3.4	33	.3	1764.5	125.4	1355	6.45	10.6	<.1	3.7	<.1	2	.6	2.3	.1	32	.47	.001	<1	2035.8	17.62	1	.006	100	.08	.006	<.01	.1	.01	7.7	<.1	.50	1	2.7	<2	<2	<2
C 152947	.3	338.6	1.8	39	.2	1928.5	143.0	1388	6.58	4.1	<.1	2.9	<.1	3	.4	2.4	.1	22	.49	.002	<1	1246.7	16.41	<1	.005	98	.05	<.001	<.01	.1	.01	6.1	<.1	.52	<1	2.8	3	3	<2
C 152948	.1	518.2	2.6	34	.2	3846.3	194.9	1509	8.40	1.3	<.1	4.3	<.1	1	.2	2.5	.1	35	.18	.002	<1	1497.9	18.28	<1	.008	124	.06	.001	<.01	.1	.01	7.7	<.1	.99	<1	5.7	3	11	14
C 152949	.4	429.5	2.1	30	.2	5706.6	308.7	1208	8.15	<.5	<.1	4.3	<.1	1	.4	2.8	<.1	31	.26	.001	<1	1219.8	16.88	<1	.008	151	.08	<.001	<.01	.2	.01	7.8	<.1	1.54	<1	8.1	3	16	25
C 152950	.2	285.8	2.4	26	.2	3819.0	192.5	1467	7.53	1.6	<.1	3.0	<.1	1	.2	2.7	<.1	31	.26	.002	<1	1120.6	18.44	<1	.006	170	.07	.001	<.01	.2	.01	5.9	<.1	.85	<1	5.1	4	16	17
C 152951	.3	549.4	2.6	28	.3	2799.3	146.0	1094	7.67	4.2	<.1	3.7	<.1	1	.2	2.6	.1	45	.20	.002	<1	2224.4	19.05	<1	.012	199	.11	.001	<.01	.2	.01	10.0	<.1	.62	<1	3.6	3	19	19
C 152952	.3	653.5	3.0	31	.3	2471.1	136.6	1464	6.53	2.6	<.1	4.6	<.1	3	.3	2.4	.1	31	.83	.002	<1	2502.8	19.25	<1	.006	177	.08	<.001	<.01	.2	.01	5.8	<.1	.54	1	3.8	3	9	9
C 152953	.5	500.7	2.7	38	.3	2351.8	141.0	1366	7.48	2.7	<.1	2.6	<.1	3	.4	2.1	.1	33	.65	.002	<1	1879.9	19.01	1	.005	165	.07	.001	<.01	.2	.01	6.1	<.1	.61	1	3.3	3	5	7
C 152954	.2	416.2	2.1	28	.2	2690.2	150.5	1094	5.97	1.5	<.1	3.0	<.1	1	.2	2.8	.1	31	.22	.002	<1	2096.4	18.87	<1	.007	173	.08	.001	<.01	.2	.01	6.9	<.1	.55	1	3.2	3	30	25
C 152955	.6	1308.0	3.3	35	.3	2309.7	142.6	797	6.50	1.8	<.1	4.9	<.1	9	.6	3.9	.1	32	2.27	.001	<1	1988.4	16.44	1	.007	159	.08	.001	<.01	.2	.01	5.2	<.1	.68	1	4.0	3	11	12
C 152956	.2	72.3	.9	20	.1	1983.8	125.9	1175	5.33	2.4	<1	1.9	<.1	1	<.1	2.8	<.1	24	.17	.001	<1	1606.8	19.56	<1	.005	194	.07	.001	<.01	.2	.01	7.8	<.1	.35	1	2.2	<2	21	15
C 152957	.3	72.4	1.0	19	.1	1958.0	126.4	1113	5.23	3.3	<.1	1.6	<.1	1	<.1	2.6	<.1	24	.17	.002	<1	1550.9	18.80	<1	.005	178	.07	<.001	<.01	.3	<.01	7.2	<.1	.36	1	1.9	<2	17	16
C 152958	.2	100.7	1.1	20	.1	1981.1	126.5	1269	5.39	1.9	<.1	1.6	<.1	1	<.1	3.5	<.1	23	.12	.002	<1	1466.6	18.82	<1	.005	178	.07	.001	<.01	.2	<.01	7.2	<.1	.35	1	2.1	<2	15	19
C 152959	.2	195.3	1.5	26	.1	1754.9	107.1	1547	6.93	2.3	<.1	3.0	<.1	1	.1	3.7	<.1	35	.10	.001	<1	2520.6	20.74	<1	.007	188	.13	.001	<.01	.2	<.01	6.3	<.1	.24	1	2.1	<2	3	3
C 152960	.1	127.7	1.2	23	.1	1840.9	116.0	1483	7.07	2.7	<.1	1.5	<.1	1	.1	2.8	<.1	33	.25	.001	<1	2224.6	20.09	<1	.007	187	.14	.001	<.01	.2	.01	5.7	<.1	.28	1	1.7	<2	11	11
C 152961	.2	80.3	.9	23	.1	1184.2	85.5	1081	4.58	3.3	<.1	1.3	.2	2	<.1	3.2	<.1	42	.18	.061	<1	1485.0	17.85	<1	.022	164	.68	.001	<.01	.1	<.01	8.4	<.1	.17	1	1.3	<2	14	23
C 152962	.2	95.6	1.2	26	.1	1787.1	134.7	1373	6.64	6.1	<.1	2.1	<.1	1	<.1	5.1	<.1	35	.27	.005	<1	2300.3	19.74	1	.008	244	.20	.001	<.01	.3	.01	6.4	<.1	.24	<1	1.7	<2	14	18
RE C 152962	.2	93.5	1.2	26	.1	1748.6	133.9	1323	6.23	5.5	<.1	1.8	<.1	1	.1	4.4	<.1	33	.27	.004	<1	2191.4	19.02	1	.007	240	.18	.001	<.01	.3	.01	5.9	<.1	.21	<1	1.9	<2	18	23
RRE C 152962	.2	89.0	1.1	25	.1	1685.5	127.5	1304	6.38	5.0	<.1	1.1	<.1	1	<.1	5.1	<.1	33	.23	.004	<1	2146.1	18.70	<1	.008	234	.18	.001	<.01	.2	.01	6.4	<.1	.21	1	1.8	<2	11	29
C 152963	.2	109.9	1.3	24	.1	1900.0	138.7	1245	7.32	4.5	<.1	1.2	<.1	1	.3	4.9	<.1	38	.11	.001	<1	2139.8	18.29	1	.008	227	.19	.001	<.01	.3	.01	6.4	<.1	.21	<1	2.1	<2	13	7
C 152964	.6	42.9	.8	40	<.1	1549.9	119.1	1273	6.74	2.5	.1	.8	.1	3	<.1	.3	.1	27	.12	.018	1	500.5	17.90	4	.031	16	.12	.008	<.01	.1	.01	3.2	<.1	.07	1	.8	<2	18	18
C 152965	.2	138.2	.5	31	.1	2614.1	141.8	1143	6.21	.6	<.1	<.5	<.1	1	.1	.1	<.1	21	.10	.002	<1	640.3	21.04	1	.004	10	.05	.001	<.01	<.1	<.01	4.2	<.1	.11	<1	1.2	<2	7	6
C 152966	.7	17.5	.6	36	<.1	2441.0	112.9	1161	5.50	3.2	<.1	2.1	<.1	<1	<.1	<.1	<.1	13	.07	.002	<1	405.6	20.96	1	.003	6	.04	.001	<.01	.3	<.01	4.2	<.1	<.05	<1	.7	<2	3	<2
C 152967	.1	14.4	.3	31	<.1	2211.5	99.2	979	4.72	<.5	<.1	.5	<.1	<1	<.1	<.1	<.1	7	.07	.001	<1	232.2	19.50	<1	.002	2	.02	.001	<.01	<.1	.01	3.2	<.1	<.05	<1	.7	<2	<2	<2
C 152968	1.0	17.1	.6	29	<.1	2266.0	99.5	964	4.67	2.9	<.1	.9	<.1	<1	.1	<.1	<.1	5	.07	.001	<1	180.8	20.29	<1	.002	2	.01	.001	<.01	.3	.02	2.8	<.1	<.05	<1	<.5	<2	<2	<2
C 152969	1.0	16.0	.5	35	<.1	2328.3	110.7	1173	5.26	2.3	<.1	.7	<.1	<1	<.1	<.1	<.1	8	.07	.002	<1	251.8	21.08	1	.002	3	.02	<.001	<.01	.2	.01	3.7	<.1	<.05	<1	.7	<2	<2	<2
C 152970 PULP	.3	724.1	1.4	11	.6	1106.7	38.7	111	3.36	<.5	.9	53.0	.1	10	<.1	<.1	.1	17	.22	.008	<1	186.8	1.89	19	.024	<1	.33	.036	.01	.1	.02	2.3	<.1	.16	1	4.6	45	137	115
C 152971	.1	34.0	.3	34	<.1	2383.5	124.2	1212	5.74	1.1	<.1	<.5	<.1	<1	<.1	.1	<.1	19	.05	.001	<1	574.9	21.77	1	.003	8	.06	.001	<.01	<.1	.01	4.2	<.1	<.05	<1	1.1	<2	<2	<2
C 152972	.9	20.2	.6	48	<.1	2260.0	118.0	1481	6.75	2.5	<.1	2.2	<.1	<1	<.1	<.1	<.1	11	.06	.002	<1	264.6	20.71	1	.003	4	.03	<.001	<.01	.2	.01	3.9	<.1	<.05	<1	<.5	<2	12	9
C 152973	.2	18.6	.3	46	<.1	2372.2	110.8	1393	6.22	.7	<.1	.6	<.1	3	<.1	<.1	<.1	25	.21	.018	<1	387.6	19.60	8	.013	3	.17	.001	.02	<.1	.01	4.7	<.1	<.05	<1	1.0	<2	5	6
C 152974	.7	50.2	.6	37	.1	1839.5	102.2	1084	5.66	2.2	.1	1.6	.1	15	<.1	.2	.1	64	.60	.061	1	339.2	13.88	3	.033	6	.37	.001	.01	.3	.01	9.5	<.1	.14	1	1.5	<2	43	41
STANDARD DS4/FA-10R	7.1	131.8	32.8	164	.4	38.1	12.5	787	3.21	23.4	6.8	29.6	3.9	28	5.7	5.1	5.2	77	.54	.095	17	167.4	.59	150	.082	4	1.79	.030	.16	3.8	.30	3.7	1.2	<.05	6	1.5	492	488	483

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: P1 TO P2 CORE P AU** PT** & PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (15 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 26 2003 DATE REPORT MAILED: July 11/03 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ✓

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
C 152975	.3	178.0	.6	21	<.1	2182.9	127.8	887	6.47	1.0	<.1	.9	<.1	1	<.1	.2	<.1	66	.09	.005	<1	1174.2	16.10	4	.012	18	.42	.001	.01	<.1	.01	6.5	<.1	.29	1	3.0	<2	21	18
C 152976	.9	39.5	.6	49	.1	1925.3	119.8	1604	7.86	2.0	<.1	1.3	<.1	1	<.1	.1	<.1	24	.10	.003	<1	161.8	19.29	2	.007	3	.13	<.001	.01	.2	.01	4.2	<.1	.15	<1	1.4	<2	23	21
C 152977	.3	99.6	.6	44	.1	1154.3	91.3	989	7.14	<.5	<.1	1.2	<.1	9	<.1	.1	<.1	127	1.48	.019	<1	240.1	9.96	45	.110	3	1.66	.010	.13	<.1	.01	10.2	<.1	.23	4	1.5	12	10	10
C 152978	.7	131.9	.5	50	<.1	1536.9	112.6	1420	8.27	<.5	<.1	1.3	<.1	6	.1	.1	<.1	79	.62	.042	<1	195.7	12.93	16	.037	6	.97	.003	.06	<.1	.01	6.5	<.1	.35	2	2.3	13	10	16
C 152979	1.1	147.9	.7	47	.1	1879.5	119.6	1612	8.39	.9	<.1	7.0	<.1	1	<.1	.1	<.1	51	.11	.006	<1	182.2	13.34	2	.011	3	.16	<.001	<.01	.2	.01	4.8	<.1	.48	<1	3.6	2	7	9
C 152980	1.7	194.7	1.2	31	.2	1569.2	118.8	1081	7.58	<.5	<.1	1.3	<.1	<1	<.1	<.1	<.1	88	.06	.002	<1	358.5	9.30	1	.009	2	.07	<.001	<.01	.1	<.01	5.6	<.1	.64	<1	3.5	<2	6	7
C 152981	.8	266.5	.8	29	.1	1507.3	112.5	1048	7.61	<.5	<.1	1.7	<.1	<1	<.1	<.1	<.1	78	.22	.002	<1	357.4	9.00	1	.011	3	.10	.001	<.01	<.1	.01	5.6	<.1	.69	<1	4.7	3	16	29
C 152982	.2	80.8	.2	36	.1	1842.5	105.1	1464	7.34	<.5	<.1	<.5	<.1	<1	<.1	<.1	<.1	36	.06	.003	<1	265.7	13.60	1	.007	3	.05	<.001	<.01	<.1	<.01	4.3	<.1	.23	<1	2.2	<2	30	32
C 152983	.8	83.7	.4	37	.1	1728.8	96.3	1481	7.51	<.5	<.1	1.3	<.1	<1	<.1	<.1	<.1	52	.04	.001	<1	263.1	12.78	<1	.006	3	.03	<.001	<.01	.1	.01	4.3	<.1	.22	<1	1.7	<2	10	13
C 152984	.7	99.2	.4	45	.1	1848.7	101.2	1757	8.59	.6	<.1	1.3	<.1	<1	<.1	<.1	<.1	44	.04	.002	<1	253.8	14.08	<1	.006	3	.02	<.001	<.01	.1	.01	4.3	<.1	.34	<1	1.9	<2	11	12
C 152985	.7	108.2	.3	53	.1	1831.8	104.7	1793	8.98	<.5	<.1	.8	<.1	<1	<.1	<.1	<.1	40	.04	.002	<1	212.8	15.22	<1	.005	2	.02	<.001	<.01	<.1	.01	3.6	<.1	.40	<1	2.7	<2	11	14
C 152986	.2	89.7	.5	45	.1	1578.4	99.3	1629	8.48	<.5	<.1	2.1	<.1	1	<.1	.1	<.1	44	.04	.004	<1	230.3	13.47	1	.007	3	.05	<.001	<.01	<.1	<.01	4.1	<.1	.37	<1	2.3	8	10	14
C 152987	.5	66.6	.3	45	.1	1657.5	98.4	1789	8.91	.6	<.1	.5	<.1	<1	<.1	<.1	<.1	39	.05	.002	<1	224.9	14.15	1	.006	3	.03	<.001	<.01	.2	<.01	4.0	<.1	.24	<1	1.8	<2	4	4
C 152988	.3	77.5	.3	37	.1	1736.1	98.3	1564	8.37	.6	<.1	1.8	<.1	<1	<.1	.1	<.1	30	.04	.002	<1	223.3	12.47	<1	.005	3	.03	<.001	<.01	.1	.01	4.1	<.1	.29	<1	2.1	<2	5	5
C 152989	.4	81.5	.4	36	.1	1549.8	92.5	1665	8.05	.7	<.1	<.5	<.1	1	<.1	.1	<.1	34	.08	.002	<1	307.9	12.51	1	.007	6	.04	.001	<.01	.1	<.01	4.7	<.1	.26	<1	2.4	4	10	11
C 152990	.4	178.9	1.0	29	.1	1997.0	148.7	1328	9.19	<.5	<.1	1.7	<.1	<1	<.1	<.1	<.1	39	.05	.003	<1	370.3	10.76	1	.007	6	.04	<.001	<.01	<.1	.01	5.0	<.1	.81	<1	4.4	<2	8	8
C 152991	.3	256.6	1.8	76	.1	1247.7	123.0	1533	8.59	1.5	<.1	2.2	<.1	2	.1	1.7	<.1	41	.42	.010	<1	269.6	12.23	4	.027	4	.30	.001	.01	<.1	.01	4.6	<.1	.66	1	4.0	3	10	9
C 152992	.6	155.4	1.0	26	<.1	1344.1	105.2	1236	7.90	<.5	<.1	1.4	<.1	1	<.1	<.1	<.1	38	.14	.004	<1	270.3	11.84	1	.009	4	.06	<.001	<.01	.2	<.01	4.0	<.1	.49	<1	3.0	<2	6	6
C 152993	.4	98.5	.4	42	.1	1356.2	96.3	1443	8.69	<.5	<.1	12.4	<.1	2	<.1	<.1	<.1	52	.42	.013	<1	197.5	11.83	5	.026	2	.38	.001	.01	<.1	<.01	4.2	<.1	.36	1	2.0	3	4	4
C 152994	1.0	114.9	.4	36	<.1	1574.7	99.5	1514	8.68	<.5	<.1	.7	<.1	<1	<.1	<.1	<.1	28	.06	.003	<1	161.0	14.23	1	.005	1	.03	.001	<.01	.2	.01	3.2	<.1	.55	<1	3.5	2	16	15
C 152995	1.3	55.3	.2	40	<.1	1421.0	90.7	1653	9.39	<.5	<.1	1.3	<.1	<1	<.1	<.1	<.1	24	.04	.002	<1	111.6	15.90	1	.004	2	.02	.001	<.01	<.1	.01	2.6	<.1	.33	<1	2.2	<2	5	6
C 152996	3.2	93.4	.3	38	.1	1593.9	92.1	1604	9.32	<.5	<.1	4.9	<.1	<1	<.1	<.1	<.1	24	.05	.002	<1	125.9	15.52	<1	.004	2	.01	<.001	<.01	.2	<.01	2.6	<.1	.50	<1	3.0	2	10	9
C 152997	2.0	89.8	.2	43	.1	1824.5	95.8	1662	9.25	<.5	<.1	2.1	<.1	<1	<.1	<.1	.1	27	.04	.002	<1	129.5	17.08	1	.004	2	.02	<.001	<.01	<.1	<.01	2.8	<.1	.41	<1	2.7	3	6	8
C 152998	.3	35.2	.3	50	.1	1800.5	91.3	1524	8.16	<.5	<.1	1.8	<.1	<1	<.1	<.1	.1	38	.06	.003	<1	181.9	16.12	1	.006	3	.04	<.001	<.01	<.1	<.01	3.2	<.1	.15	<1	2.1	<2	4	5
RE C 152998	.4	32.9	.3	45	.1	1656.8	82.5	1540	8.20	.6	<.1	1.5	<.1	<1	<.1	<.1	.1	40	.05	.003	<1	174.5	16.24	1	.006	2	.04	<.001	<.01	<.1	.01	3.0	<.1	.16	<1	1.7	<2	4	4
RRE C 152998	.9	34.3	.4	46	.1	1700.9	87.3	1485	8.03	1.0	<.1	1.8	<.1	<1	<.1	<.1	.1	37	.06	.003	<1	183.4	15.67	1	.006	3	.04	.001	<.01	.2	<.01	3.1	<.1	.15	<1	1.8	<2	3	4
C 152999	1.0	35.5	1.5	88	.1	1531.8	75.3	1518	8.21	3.9	<.1	6.5	<.1	1	<.1	2.0	.1	51	.07	.004	<1	251.3	14.40	3	.007	6	.05	.001	<.01	.2	.01	3.5	<.1	.22	<1	2.7	7	3	4
C 153000 PULP	.2	739.9	1.2	12	.6	1131.1	38.8	124	3.48	<.5	.8	39.2	.1	11	<.1	.1	.1	19	.25	.007	<1	203.8	2.05	19	.026	2	.36	.038	.01	.1	.01	2.1	<.1	.12	1	5.2	45	110	102
B 200201	.5	41.3	.4	39	.1	1517.5	80.4	1514	7.83	.5	<.1	1.5	<.1	<1	<.1	<.1	.1	40	.07	.003	<1	239.1	14.24	1	.006	3	.04	.001	<.01	<.1	.01	3.1	<.1	.32	<1	3.5	<2	3	3
B 200202	1.7	155.8	.5	19	<.1	981.4	83.8	897	5.82	<.5	<.1	1.2	<.1	1	<.1	.1	<.1	83	.49	.003	<1	577.3	9.34	3	.010	8	.08	.001	<.01	.1	<.01	6.1	<.1	.58	<1	3.8	<2	3	4
B 200203	1.0	185.8	.7	18	<.1	937.4	84.6	823	6.46	5.0	<.1	.9	<.1	2	<.1	.1	<.1	79	.57	.003	<1	529.9	9.52	4	.013	9	.23	.001	<.01	<.1	.01	6.0	<.1	.58	1	3.4	2	3	3
B 200204	1.4	159.5	.5	38	.1	1406.0	123.7	1726	9.09	<.5	<.1	1.3	<.1	1	.1	.1	<.1	42	.09	.004	<1	212.2	13.20	2	.007	5	.08	<.001	<.01	.1	<.01	3.7	<.1	.60	<1	4.1	3	5	7
B 200205	1.1	107.2	.6	42	.1	1158.6	108.7	1290	8.33	9.3	<.1	<.5	<.1	5	.2	.1	<.1	103	1.18	.013	<1	381.2	9.63	6	.075	5	.54	.001	<.01	<.1	.01	7.7	<.1	.45	2	2.6	<2	3	3
STANDARD DS4/	6.8	128.7	31.9	161	.3	35.8	12.5	822	3.20	23.1	6.0	27.6	3.8	27	5.4	4.8	5.3	78	.55	.089	17	165.7	.61	147	.084	1	1.78	.030	.15	3.8	.31	3.5	1.1	.07	6	1.3	478	489	492

Standard is STANDARD DS4/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA Y

(ISO ... Accredited Co.)

ASSAY CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A302255 Page 1

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Cu %	Ni %	Co %	Sample kg
SI	<.001	<.001	<.001	-
C 152943	.184	.288	.018	2.5
C 152944	.051	.327	.020	2.5
C 152945	.069	.233	.014	2.4
C 152946	.051	.166	.011	2.1
C 152947	.033	.181	.013	2.0
C 152948	.052	.353	.018	3.0
C 152949	.043	.541	.029	3.0
C 152950	.029	.360	.018	2.5
C 152951	.054	.261	.014	2.5
C 152952	.066	.233	.012	2.0
C 152953	.051	.215	.012	2.5
C 152954	.043	.247	.013	3.0
C 152955	.126	.213	.013	1.7
C 152956	.007	.173	.010	3.0
C 152957	.008	.186	.011	3.0
C 152958	.010	.180	.011	2.5
C 152959	.019	.157	.010	3.0
C 152960	.014	.171	.011	2.9
C 152961	.008	.113	.008	2.5
C 152962	.009	.159	.011	3.2
RE C 152962	.010	.161	.012	-
RRE C 152962	.010	.158	.011	-
C 152963	.012	.179	.013	1.5
C 152964	.005	.152	.011	1.5
C 152965	.014	.244	.013	2.8
C 152966	.002	.254	.011	3.2
C 152967	.002	.255	.011	2.3
C 152968	.002	.252	.011	3.4
C 152969	.002	.245	.012	2.9
C 152970 PULP	.074	.111	.004	-
C 152971	.004	.240	.012	2.7
C 152972	.002	.227	.012	3.2
C 152973	.002	.233	.011	2.3
C 152974	.005	.181	.010	2.0
STANDARD R-2	.558	.360	.044	-

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
- SAMPLE TYPE: P1 TO P2 CORE P Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 26 2003 **DATE REPORT MAILED:** July 11/03 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data K FA ___

	SAMPLE#	Cu %	Ni %	Co %	Sample kg
	C 152975	.018	.220	.012	.7
	C 152976	.005	.228	.013	2.5
	C 152977	.010	.116	.009	3.0
	C 152978	.015	.163	.011	3.1
	C 152979	.016	.201	.012	3.2
	C 152980	.021	.167	.012	2.7
	C 152981	.027	.156	.011	3.5
	C 152982	.008	.195	.011	3.2
	C 152983	.010	.186	.010	2.8
	C 152984	.009	.180	.010	1.9
	C 152985	.011	.192	.010	3.5
	C 152986	.009	.165	.010	3.6
	C 152987	.007	.168	.009	3.0
	C 152988	.008	.176	.009	3.1
	C 152989	.008	.158	.009	2.5
	C 152990	.019	.204	.014	2.6
	C 152991	.026	.135	.013	2.9
	C 152992	.015	.133	.010	3.0
	C 152993	.010	.144	.009	2.9
	C 152994	.012	.168	.010	3.3
	C 152995	.006	.158	.010	3.6
	C 152996	.011	.190	.011	3.1
	C 152997	.011	.211	.011	3.5
	C 152998	.003	.189	.009	3.3
	RE C 152998	.004	.187	.009	-
	RRE C 152998	.003	.190	.009	-
	C 152999	.004	.166	.008	3.1
	C 153000 PULP	.073	.111	.004	-
	B 200201	.004	.153	.008	3.0
*	B 200202	.016	.097	.008	2.5
	B 200203	.019	.094	.008	2.2
	B 200204	.017	.145	.012	1.0
	B 200205	.010	.119	.011	1.9
	STANDARD R-2	.563	.372	.046	-

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

REVISED COPY * weights

Data h FA ___

ASSAY CERTIFICATE

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Ni/S %	Ni/Ox %
C 152945	.252	.004
C 152955	.211	.018
C 152965	.139	.017
C 152975	.175	.018
C 152985	.133	.007
C 152995	.108	.007
B 200205	.109	.011
STANDARD R-2	.296	.019

NI/S + NI/OXIDE : LEACHED WITH H2O2 + NH4 CITRATE. NI/OXIDE : LEACHED WITH NH4 CITRATE.
NI/S = (NI/S + NI/OXIDE) - NI/OXIDE.
- SAMPLE TYPE: P1 TO P2 CORE P

DATE RECEIVED: JUN 26 2003 **DATE REPORT MAILED:** July 16/03 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ___

(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A302256 Page 1

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
SI	.4	.5	4.8	<1	<.1	.6	.1	5	.03	<.5	<.1	<.5	<.1	2	<.1	<.1	<.1	<1	.06	<.001	<1	1.3	<.01	1	.004	<1	<.01	.354	<.01	.4	<.01	<.1	<.1	<.05	<1	<.5	<2	<2	<2
3 200206	1.8	157.3	2.8	57	<.1	1581.2	133.1	1499	8.19	.9	<.1	1.3	<.1	<1	.1	.2	.1	24	.04	.003	<1	151.7	12.48	1	.004	4	.02	.004	<.01	<.1	<.01	5.2	<.1	.63	<1	3.9	4	5	7
3 200207	1.9	122.9	.9	52	.1	1506.5	124.5	1469	8.42	<.5	<.1	2.9	<.1	<1	<.1	<.1	.1	25	.03	.003	<1	163.2	12.55	<1	.003	3	.01	.001	<.01	<.1	<.01	5.1	<.1	.49	<1	3.3	4	10	15
3 200208	1.1	36.3	2.1	53	.1	1488.8	96.1	1559	8.10	1.0	<.1	16.6	<.1	<1	<.1	.1	.1	29	.03	.002	<1	153.4	13.37	1	.006	3	.02	.004	<.01	.3	<.01	5.4	<.1	.15	<1	1.4	21	4	4
3 200209	.5	29.5	.5	43	.1	1485.4	93.1	1450	7.52	.8	<.1	1.7	<.1	1	<.1	.1	.1	32	.05	.004	<1	193.0	12.98	3	.008	3	.06	.001	.01	<.1	<.01	5.1	<.1	.12	<1	1.6	<2	2	2
3 200210	1.3	49.2	1.6	40	.1	1511.2	99.9	1490	7.67	.5	<.1	3.2	<.1	<1	<.1	<.1	.1	26	.03	.002	<1	246.9	13.18	1	.005	3	.05	.001	<.01	.3	<.01	5.0	<.1	.18	<1	2.2	10	4	6
3 200211	1.3	40.7	.6	40	.1	1481.8	89.9	1178	7.31	.9	<.1	1.2	<.1	3	<.1	<.1	.1	47	.22	.017	1	258.8	10.72	22	.020	3	.42	.001	.04	<.1	<.01	4.0	<.1	.19	1	2.4	2	6	9
3 200212	.9	28.5	1.3	52	.2	1607.9	91.4	1617	8.36	<.5	<.1	9.0	<.1	1	<.1	<.1	.1	33	.05	.003	<1	161.6	13.60	1	.009	4	.03	<.001	<.01	.3	<.01	4.5	<.1	<.05	<1	1.6	7	5	6
3 200213	.4	59.4	.5	54	.2	1826.1	95.5	1473	7.66	.8	<.1	3.5	<.1	1	.1	.1	.1	38	.14	.002	<1	199.5	13.13	2	.001	4	.04	.001	<.01	<.1	<.01	4.6	<.1	.14	<1	2.2	3	35	37
3 200214	.9	41.2	1.3	46	.1	1558.7	93.1	1502	7.88	<.5	<.1	2.7	<.1	<1	<.1	<.1	.1	34	.04	.002	<1	184.9	14.36	2	.007	1	.06	.001	<.01	.3	<.01	4.8	<.1	.06	<1	1.4	5	7	7
3 200215	1.4	125.1	.7	34	.1	1358.3	91.5	1306	7.42	<.5	<.1	2.5	<.1	1	<.1	<.1	.1	37	.08	.003	<1	207.9	11.49	2	.004	3	.06	.001	<.01	<.1	<.01	3.6	<.1	.23	<1	2.1	2	4	5
3 200216	27.4	455.6	1.5	35	.1	1471.5	169.2	982	10.02	<.5	<.1	1.2	<.1	1	.2	<.1	<.1	81	.52	.003	<1	343.8	7.19	1	.005	4	.06	.001	<.01	.4	<.01	4.1	<.1	2.01	<1	10.6	6	5	27
3 200217	3.4	135.7	.8	43	.1	1285.0	98.0	1091	7.05	6.1	<.1	3.0	<.1	1	<.1	.5	.1	56	.08	.003	<1	244.6	10.13	2	.001	4	.08	.001	.01	.1	<.01	3.5	<.1	.75	<1	4.7	5	3	6
3 200218	1.5	102.7	.8	30	<.1	1061.7	104.9	1095	6.65	.9	<.1	4.8	<.1	2	<.1	<.1	<.1	47	.21	.005	<1	227.2	10.99	2	.016	4	.15	.001	<.01	.2	<.01	4.2	<.1	.46	<1	2.8	8	7	8
3 200219	.5	133.8	.5	32	<.1	1282.5	119.7	1096	6.56	<.5	<.1	.7	<.1	1	<.1	<.1	<.1	20	.07	.002	<1	165.1	10.88	1	.005	3	.05	.001	<.01	<.1	<.01	3.2	<.1	.62	<1	3.6	<2	9	9
3 200220	.8	118.9	.8	30	<.1	1578.6	135.5	1176	6.54	<.5	<.1	2.1	<.1	1	<.1	.1	<.1	12	.05	.003	<1	284.8	12.75	2	.001	3	.05	.001	.01	.4	<.01	4.1	<.1	.50	<1	2.9	2	35	37
3 200221	.4	64.7	1.1	146	.1	929.7	86.8	981	5.47	3.7	<.1	1.8	<.1	1	<.1	3.9	<.1	41	.13	.004	<1	318.4	9.24	4	.007	3	.08	.001	.01	<.1	.01	3.4	<.1	.29	<1	2.1	17	3	4
3 200222	2.0	65.2	.8	25	<.1	925.8	89.4	972	6.08	<.5	<.1	1.1	<.1	1	<.1	<.1	<.1	42	.10	.002	<1	204.5	7.78	2	.007	3	.05	.001	<.01	.3	<.01	3.1	<.1	.50	<1	3.4	2	4	5
RE B 200222	2.2	67.4	.6	26	<.1	931.4	90.0	976	6.17	<.5	<.1	.9	<.1	<1	<.1	<.1	<.1	43	.11	.002	<1	205.2	7.81	2	<.001	2	.04	<.001	<.01	.3	<.01	2.9	<.1	.50	<1	3.2	4	4	5
RRE B 200222	1.3	63.1	.3	27	<.1	922.2	85.8	1035	6.25	<.5	<.1	<.5	<.1	1	<.1	<.1	<.1	43	.11	.002	<1	204.2	8.36	2	.009	3	.05	.001	<.01	<.1	<.01	2.9	<.1	.44	<1	2.9	<2	3	5
3 200223	1.5	56.5	.7	34	<.1	1106.2	89.7	1251	7.28	1.2	<.1	5.3	<.1	1	<.1	<.1	<.1	42	.07	.003	<1	169.5	10.03	1	.009	2	.04	.001	<.01	.3	<.01	3.5	<.1	.39	<1	2.5	4	3	4
3 200224	.9	223.3	.4	8	<.1	499.3	95.3	282	4.90	<.5	<.1	1.6	<.1	1	<.1	<.1	<.1	38	.16	.001	<1	225.1	2.80	2	.005	1	.06	.002	.01	<.1	<.01	2.4	<.1	1.10	<1	5.7	<2	2	3
3 200225	.4	154.0	.8	7	<.1	492.3	55.8	138	2.21	1.1	<.1	<.5	<.1	3	<.1	.1	<.1	30	.41	.001	<1	542.8	2.06	4	.015	2	.21	.004	.01	.3	<.01	2.5	<.1	.49	1	1.9	2	8	7
3 200226	.1	281.6	.8	13	<.1	812.6	108.8	468	4.58	1.4	<.1	<.5	<.1	1	<.1	<.1	<.1	19	.14	.002	<1	321.2	5.11	2	.010	3	.12	.001	<.01	<.1	<.01	2.2	<.1	.81	<1	3.3	2	11	10
3 200227	.4	264.4	1.4	8	<.1	413.1	90.5	247	3.45	<.5	<.1	.6	<.1	2	<.1	<.1	<.1	18	.26	.001	<1	326.5	3.27	3	.007	1	.09	.003	.01	.5	<.01	2.6	<.1	.63	<1	2.4	<2	4	5
3 200228	.1	365.9	1.0	8	<.1	550.3	102.2	267	4.13	<.5	<.1	<.5	<.1	1	<.1	<.1	<.1	18	.21	.002	<1	312.2	3.53	2	.012	4	.11	.002	.01	<.1	<.01	2.5	<.1	.74	<1	2.9	<2	7	7
3 200229	.3	209.0	1.1	12	<.1	989.7	83.1	472	3.91	1.3	<.1	<.5	<.1	1	<.1	<.1	<.1	15	.13	.002	<1	397.4	5.21	4	.008	3	.12	.002	.01	.3	<.01	2.6	<.1	.42	<1	1.8	<2	7	7
3 200230 PULP	.1	712.8	1.2	11	.5	1031.6	36.6	116	3.28	.8	.8	33.4	.1	10	<.1	.1	.1	17	.21	.006	<1	188.9	1.95	16	.024	3	.32	.037	.01	.1	.01	2.1	<.1	.11	1	4.0	42	150	107
3 200231	.1	240.5	.9	10	.1	883.1	88.6	317	3.39	11.4	<.1	<.5	<.1	2	.1	.1	<.1	16	.22	.002	<1	488.7	4.30	3	.013	3	.23	.002	.01	<.1	<.01	3.2	<.1	.45	1	1.9	<2	7	8
3 200232	.5	170.1	.9	19	<.1	957.5	89.2	775	4.62	2.1	<.1	1.2	<.1	1	<.1	<.1	<.1	11	.12	.002	<1	307.6	8.11	5	.006	3	.09	.001	.02	.4	<.01	2.6	<.1	.32	<1	1.2	<2	15	19
3 200233	.1	148.4	.3	27	.1	1056.3	101.7	1097	6.10	<.5	<.1	1.4	<.1	1	<.1	<.1	<.1	8	.06	.002	<1	205.5	12.65	4	.004	3	.06	.004	.01	<.1	<.01	3.0	<.1	.18	<1	1.2	<2	30	41
3 200234	.6	534.9	1.2	27	.4	1551.4	110.1	1062	6.00	.5	<.1	38.6	<.1	1	.1	.1	.1	10	.16	.002	<1	259.6	12.53	4	.008	7	.08	.001	.01	.2	<.01	3.3	<.1	.30	<1	2.5	5	45	52
3 200235	.3	659.3	.6	33	.3	1802.0	120.6	1127	6.49	<.5	<.1	6.3	<.1	1	.2	<.1	.1	7	.07	.002	<1	189.0	13.64	3	.005	5	.06	.002	.01	<.1	<.01	3.5	<.1	.35	<1	2.5	6	63	65
3 200236	.8	564.1	.9	24	.2	1779.8	123.1	985	5.78	.5	<.1	2.1	<.1	1	.1	.1	<.1	9	.07	.002	<1	222.5	11.89	2	.004	5	.06	.001	.01	.4	<.01	2.9	<.1	.44	<1	2.7	5	30	31
3 200237	.1	262.6	.4	30	.1	1320.2	101.8	1095	6.17	<.5	<.1	2.0	<.1	1	<.1	<.1	<.1	7	.05	.002	<1	158.0	14.42	3	.002	2	.06	.001	.01	<.1	<.01	3.6	<.1	.14	<1	1.1	2	48	42
STANDARD DS4/	6.6	123.8	32.0	161	.3	35.8	12.5	782	3.05	22.8	6.1	26.3	3.6	28	5.2	4.4	5.2	73	.51	.084	19	163.8	.58	139	.083	3	1.69	.032	.14	3.8	.29	3.6	1.1	<.05	5	1.3	491	486	473

Standard is STANDARD DS4/FA-10R.

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: P1 TO P2 CORE P AU** PT** & PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (15 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 26 2003 **DATE REPORT MAILED:** July 9/03 **SIGNED BY.** C. Leong .....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ✓

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
B 200238	.9	281.9	.8	28	.1	1536.2	106.9	969	5.69	<.5	<.1	.5	<.1	1	<.1	<.1	<.1	7	.07	.002	<1	193.2	12.50	2	.006	<1	.05	<.001	.01	.5	<.01	2.3	<.1	.42	<1	2.4	<2	10	10
B 200239	.1	192.1	.4	26	.2	1530.7	115.9	1099	6.35	1.0	<.1	4.2	<.1	1	<.1	.1	<.1	10	.13	.003	<1	267.8	14.55	1	.007	6	.09	<.001	<.01	<.1	<.01	3.7	<.1	.31	<1	2.0	2	14	18
B 200240	.8	326.6	.8	37	.2	1698.2	119.5	1290	7.07	<.5	<.1	4.3	<.1	1	<.1	.1	.1	5	.14	.002	<1	160.8	17.06	1	.008	4	.02	<.001	<.01	.3	<.01	3.1	<.1	.31	<1	2.4	5	43	49
B 200241	.2	309.8	.5	42	.2	2060.6	120.9	1209	6.85	.5	<.1	3.8	<.1	1	.1	.1	.1	18	.30	.007	<1	190.7	16.10	1	.014	3	.23	.001	<.01	<.1	<.01	4.7	<.1	.34	1	2.1	4	71	77
B 200242	.6	147.4	.6	39	.1	1584.7	106.0	1172	6.24	<.5	<.1	1.8	<.1	1	.1	<.1	<.1	6	.07	.002	<1	154.7	16.11	2	.007	3	.05	<.001	<.01	.3	<.01	3.0	<.1	.10	<1	1.2	3	7	7
B 200243	.5	677.7	1.0	31	.5	2180.6	115.5	1023	5.61	<.5	<.1	8.5	<.1	<1	.2	.1	.2	5	.06	.002	<1	158.0	13.42	2	.005	5	.03	.001	<.01	.2	<.01	2.4	<.1	.47	<1	3.4	15	49	52
B 200244	.1	241.3	.5	34	.2	1640.3	103.5	1190	6.35	<.5	<.1	3.6	<.1	<1	.1	.1	.1	5	.05	.002	<1	134.4	15.78	1	.001	3	.02	<.001	<.01	<.1	<.01	2.7	<.1	.17	<1	1.5	4	18	22
B 200245	.1	133.7	.4	31	.2	1518.0	106.8	1217	6.73	.7	<.1	.9	<.1	1	<.1	.1	<.1	8	.05	.002	<1	339.9	15.68	3	.006	5	.06	.001	.01	<.1	<.01	3.6	<.1	.12	<1	1.6	2	24	25
B 200246	1.1	91.7	.5	35	.1	1506.0	104.6	1272	6.51	.5	<.1	.7	<.1	<1	.1	.1	<.1	4	.05	.002	<1	152.8	16.53	1	.004	3	.02	.001	<.01	.3	<.01	2.7	<.1	.08	<1	1.1	2	53	55
B 200247	.1	60.6	.2	28	<.1	1101.4	88.2	1048	5.51	<.5	<.1	1.8	<.1	1	<.1	<.1	<.1	8	.08	.003	<1	221.2	13.21	6	.009	3	.07	.001	.02	<.1	<.01	2.4	<.1	.08	<1	1.0	<2	17	18
B 200248	.9	52.0	.6	47	.1	1411.8	102.3	1210	6.21	1.1	<.1	.5	<.1	<1	<.1	.5	<.1	5	.05	.002	<1	161.6	16.13	2	.005	3	.04	.001	.01	.3	<.01	2.4	<.1	<.05	<1	1.1	<2	41	39
RE B 200248	1.0	49.9	.6	47	.1	1391.4	99.1	1214	6.18	1.4	<.1	.6	<.1	<1	<.1	.6	<.1	5	.04	.002	<1	154.9	16.08	2	.007	1	.03	<.001	.01	.3	<.01	2.2	<.1	.06	<1	.7	<2	35	37
RRE B 200248	.1	49.2	.2	33	<.1	1405.8	102.1	1220	6.28	<.5	<.1	<.5	<.1	<1	<.1	.1	<.1	5	.05	.002	<1	151.2	16.30	2	.004	3	.03	.001	.01	<.1	.01	2.3	<.1	<.05	<1	.7	<2	44	34
B 200249	.6	307.6	.6	32	.3	2027.9	108.8	1272	6.46	<.5	<.1	5.6	<.1	1	.2	.2	.1	6	.04	.003	<1	209.0	16.54	6	.007	2	.05	<.001	.02	.3	<.01	2.6	<.1	.17	<1	2.1	10	118	124
B 200250	.1	59.3	.3	28	.1	1440.2	100.6	1150	5.75	.8	<.1	.5	<.1	2	<.1	.1	<.1	10	.06	.004	<1	450.4	15.46	14	.010	6	.10	.001	.05	<.1	<.01	3.5	<.1	.07	<1	1.3	<2	36	36
STANDARD DS4	6.7	126.5	31.6	159	.3	33.3	12.0	795	3.16	23.1	6.4	27.2	3.8	27	5.5	4.6	5.3	75	.52	.084	17	162.2	.58	139	.085	1	1.78	.028	.14	3.7	.29	3.7	1.1	<.05	6	1.5	489	495	480

Standard is STANDARD DS4/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data d FA Y

ACME LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PH (604) 253-3158 FAX (604) 253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A302256 Page 3

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Ni/S %	Ni/Ox %
B 200215	.088	.013
B 200225	.052	.001
B 200235	.115	.012
B 200245	.087	.009
STANDARD R-2	.296	.019

NI/S + NI/OXIDE : LEACHED WITH H2O2 + NH4 CITRATE. NI/OXIDE : LEACHED WITH NH4 CITRATE.
NI/S = (NI/S + NI/OXIDE) - NI/OXIDE.
- SAMPLE TYPE: P1 TO P2 CORE P

DATE RECEIVED: JUN 26 2003 **DATE REPORT MAILED:** July 10/03 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ___

SAMPLE#	Cu %	Ni %	Co %	Sample kg
B 200238	.039	.160	.011	3.5
B 200239	.022	.156	.011	3.0
B 200240	.034	.182	.012	3.0
B 200241	.032	.226	.012	3.2
B 200242	.016	.166	.010	3.6
B 200243	.078	.273	.014	3.4
B 200244	.027	.197	.012	3.1
B 200245	.013	.168	.011	2.8
B 200246	.010	.171	.011	3.0
B 200247	.006	.125	.009	3.5
B 200248	.005	.163	.011	3.4
RE B 200248	.005	.163	.011	-
RRE B 200248	.005	.163	.011	-
B 200249	.034	.262	.013	3.3
B 200250	.006	.165	.010	3.1
STANDARD R-2	.563	.374	.045	-

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A302482 Page 1

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
SI	.5	1.4	4.3	6	<.1	<.1	<.1	6	.04	1.0	<.1	<.5	<.1	3	<.1	.1	<.1	3	.12	<.001	<1	2.2	<.01	4	.001	1	.01	.822	.01	.3	.02	.1	<.1	.10	<1	<.5	<2	<2	<2
C 150387	.1	327.5	6.1	36	.1	1955.8	169.1	1329	8.28	1.4	<.1	1.4	<.1	<1	.1	<.1	<.1	4	.09	.002	<1	178.7	21.54	<1	<.001	5	.01	.002	<.01	<.1	<.01	6.7	<.1	1.00	<1	4.7	<2	25	24
C 150388	.8	194.3	1.6	36	.1	1857.0	162.6	1266	7.67	1.0	<.1	.6	<.1	2	.1	<.1	<.1	7	.08	.002	<1	210.9	19.15	3	.001	8	.02	.006	<.01	.2	<.01	9.2	<.1	1.14	<1	4.4	<2	7	10
C 150389	1.2	219.0	2.9	23	.1	1780.3	156.1	924	8.60	1.6	<.1	10.5	<.1	2	.2	<.1	<.1	16	.08	.002	<1	409.6	13.02	3	.003	4	.04	.001	<.01	<.1	<.01	4.4	<.1	2.13	<1	8.7	3	18	31
C 150390 PULP	1.0	968.4	46.1	10	1.2	3028.3	127.9	326	5.84	20.3	.1	16.6	<.1	3	<.1	.3	.7	18	.12	.004	<1	379.4	8.12	48	.013	46	.31	.009	<.01	.3	.09	2.4	<.1	.98	1	3.6	16	109	406
C 150391	.8	306.7	1.4	34	.1	2078.7	188.0	1325	10.71	1.0	<.1	1.1	<.1	1	.2	<.1	<.1	3	.03	.002	<1	130.1	18.03	1	.004	6	<.01	<.001	<.01	.2	<.01	3.2	<.1	1.94	<1	7.9	<2	18	22
C 150392	.2	200.0	1.9	32	.1	1166.6	116.5	1379	8.81	.8	<.1	.7	<.1	2	.1	<.1	<.1	6	.05	.002	<1	281.6	18.77	2	.003	8	.01	<.001	<.01	<.1	.01	6.0	<.1	1.33	<1	4.9	<2	12	15
C 150393	1.2	654.2	2.0	32	.1	1887.3	248.6	1231	12.63	.9	<.1	.8	<.1	3	.3	<.1	<.1	3	.06	.002	<1	129.5	16.50	3	<.001	6	<.01	.001	<.01	.2	<.01	2.6	<.1	2.59	<1	10.9	2	23	29
C 150394	.3	365.0	1.5	33	.1	965.2	142.4	1290	8.83	.9	<.1	2.8	<.1	1	.2	<.1	<.1	6	.06	.002	<1	273.2	18.56	1	.004	9	.01	.001	<.01	<.1	<.01	4.1	<.1	1.59	<1	4.6	3	7	9
C 150395	4.4	292.1	1.2	42	.1	1099.4	128.9	1303	9.00	.7	<.1	1.0	<.1	1	.3	<.1	<.1	9	.10	.007	<1	207.1	19.94	2	.003	6	.10	.001	<.01	.3	.01	4.6	<.1	1.63	<1	4.2	<2	8	11
C 150396	14.9	266.1	7.1	33	.2	1510.1	156.5	632	8.01	1.9	<.1	<.5	<.1	53	.1	<.1	.2	99	.58	.052	<1	539.0	7.37	35	.060	7	1.78	.029	.86	<.1	<.01	6.2	.3	2.10	3	5.1	<2	9	11
C 150397	1.0	1938.0	2.1	22	1.1	2768.3	168.6	1149	6.76	2.3	<.1	16.6	<.1	6	.5	<.1	.4	11	.34	.005	<1	670.4	18.64	4	.009	17	.18	.001	.01	.2	.01	4.5	<.1	.63	1	5.1	19	21	27
C 150398	.3	591.8	5.4	22	.2	1245.8	228.5	901	6.62	1.3	<.1	4.6	<.1	34	.2	<.1	.1	17	.39	.024	<1	340.3	14.82	99	.019	12	.56	.011	.14	<.1	<.01	3.7	.1	.77	1	3.8	7	15	20
C 150399	.9	1096.5	2.4	26	.3	2015.1	305.7	1291	8.28	.6	<.1	4.6	<.1	1	.3	<.1	.2	5	.20	.002	<1	841.2	19.92	1	.003	11	.03	.001	<.01	.3	<.01	5.0	<.1	.95	<1	5.0	6	46	55
C 150400	.1	1094.4	2.1	32	.3	2519.0	279.4	1242	8.74	.7	<.1	3.7	<.1	3	.3	.1	.2	5	.07	.002	<1	618.4	19.53	4	.002	18	.17	<.001	.01	<.1	<.01	4.7	<.1	1.02	1	4.7	6	49	59
C 150401	.9	1330.8	3.7	30	.3	2486.7	254.0	1212	11.05	.7	<.1	4.8	<.1	6	.4	.1	.2	23	.25	.011	<1	1270.5	17.33	28	.013	30	.41	.001	.10	.1	<.01	4.9	<.1	1.82	1	8.2	7	47	59
C 150402	3.9	878.7	5.1	30	.2	1889.9	191.7	1289	9.84	.7	<.1	3.2	<.1	3	.1	<.1	.1	11	.06	.002	<1	441.1	17.58	4	.008	16	.07	<.001	<.01	<.1	<.01	4.0	<.1	2.20	<1	8.6	5	8	24
RE C 150402	3.7	878.2	5.4	29	.3	1997.0	193.3	1283	9.89	.8	<.1	3.1	<.1	3	.2	<.1	.1	12	.06	.002	<1	442.5	17.70	3	.008	15	.07	<.001	<.01	<.1	<.01	3.9	<.1	2.26	<1	8.6	10	10	26
RRE C 150402	4.8	913.2	5.9	31	.3	2147.3	208.6	1358	10.55	.5	<.1	4.6	<.1	3	.1	<.1	.2	13	.06	.002	<1	520.3	18.45	3	.004	19	.08	.001	<.01	<.1	<.01	4.6	<.1	2.47	<1	9.6	12	52	125
C 150403	31.7	917.2	5.1	30	.3	2484.7	210.0	1068	10.16	.8	<.1	2.6	<.1	4	.1	.1	.1	39	.14	.010	<1	551.5	16.19	7	.015	28	.36	.001	.01	.1	<.01	4.1	<.1	3.17	1	11.1	3	75	39
C 150404	57.0	1108.0	8.7	19	.4	3380.2	289.1	434	12.48	<.5	<.1	<.5	<.1	4	.7	<.1	.2	111	.38	.004	<1	631.9	7.27	5	.015	8	.18	.001	<.01	.1	<.01	3.5	<.1	6.14	1	17.6	4	65	112
C 150405	3.5	586.0	1.6	20	.2	1575.6	182.5	894	9.75	.5	<.1	1.2	<.1	9	.1	<.1	<.1	28	.64	.001	<1	369.9	9.45	4	.010	4	.05	.001	<.01	<.1	<.01	3.4	<.1	2.30	<1	5.8	3	69	61
C 150406	2.0	377.6	.5	40	.1	1344.5	182.6	1221	9.34	<.5	<.1	<.5	<.1	1	.1	<.1	<.1	10	.17	.003	<1	121.0	15.58	7	.003	2	.06	<.001	.01	.3	<.01	3.8	<.1	1.45	<1	3.9	2	25	32
C 150407	.6	322.3	.8	45	.1	1890.4	188.8	1383	9.28	<.5	<.1	4.5	<.1	<1	.1	<.1	.1	3	.09	.002	<1	51.9	19.98	<1	<.001	1	.01	.001	<.01	<.1	<.01	3.4	<.1	1.31	<1	4.3	2	21	38
C 150408	1.2	194.5	.5	48	.1	2093.3	155.2	1381	8.06	<.5	<.1	.7	<.1	<1	.1	<.1	<.1	2	.09	.003	<1	59.3	21.56	<1	<.001	<1	<.01	.001	<.01	.5	<.01	3.8	<.1	.76	<1	2.5	<2	18	21
C 150409	.1	154.0	.7	44	<.1	1614.5	161.2	1459	8.19	<.5	<.1	<.5	<.1	<1	.1	<.1	<.1	3	.10	.002	<1	86.8	20.92	<1	.003	5	.01	<.001	<.01	<.1	<.01	3.6	<.1	.56	<1	2.0	<2	17	21
C 150410	.8	324.4	.8	33	.1	1996.1	186.3	1340	8.13	<.5	<.1	2.3	<.1	1	.1	<.1	<.1	4	.29	.003	<1	359.4	19.16	<1	<.001	13	.01	.001	<.01	.3	<.01	3.1	<.1	.90	<1	3.2	3	28	36
C 150411	.2	523.2	1.0	24	.2	2054.6	162.5	1050	8.32	<.5	<.1	7.9	<.1	5	.1	.1	.1	12	.49	.002	<1	1205.8	18.76	2	.009	34	.08	.001	<.01	<.1	<.01	3.9	<.1	.86	1	3.9	10	21	29
C 150412	.6	771.9	1.6	38	.3	2660.5	168.3	1140	7.62	<.5	<.1	2.1	<.1	6	.4	.1	.1	35	.21	.018	<1	766.1	17.03	45	.033	28	.54	.010	.24	.1	<.01	4.9	.1	1.09	1	4.8	4	22	28
C 150413	.1	645.4	1.0	31	.3	3004.9	184.4	1271	8.39	<.5	<.1	1.8	<.1	<1	.3	<.1	.1	4	.03	.002	<1	346.6	19.94	1	.002	8	.03	<.001	<.01	<.1	<.01	3.9	<.1	1.01	<1	6.6	2	36	45
C 150414	.7	597.3	.9	28	.3	2573.1	165.3	1247	7.63	<.5	<.1	1.2	<.1	<1	.4	<.1	.1	4	.08	.002	<1	311.4	19.91	<1	<.001	6	.11	.001	<.01	.3	<.01	3.7	<.1	.71	<1	4.7	3	38	50
C 150415	.1	367.0	.9	19	.2	1911.5	122.5	970	5.47	<.5	<.1	1.3	<.1	2	.1	<.1	<.1	13	.23	.002	<1	629.3	13.48	1	.003	15	.06	.001	<.01	<.1	<.01	5.0	<.1	.51	<1	2.7	<2	32	36
C 150416	.7	136.0	.7	22	.1	1940.2	127.5	1265	6.67	<.5	<.1	.6	<.1	1	.1	<.1	<.1	9	.12	.002	<1	563.8	17.88	<1	.003	27	.06	<.001	<.01	.2	<.01	4.9	<.1	.42	<1	2.2	<2	24	30
C 150417	.5	225.0	2.0	16	.1	1411.1	118.1	907	6.91	<.5	<.1	1.1	<.1	11	<.1	.1	.1	43	1.20	.013	<1	1053.5	14.02	2	.031	45	.54	<.001	<.01	<.1	<.01	12.1	<.1	.59	1	2.6	2	21	23
C 150418	.3	181.8	1.2	13	<.1	1380.3	124.5	880	6.33	<.5	<.1	<.5	<.1	5	<.1	<.1	<.1	25	.60	.001	<1	455.1	11.02	1	.012	17	.08	<.001	<.01	1	<.01	6.8	<.1	.49	<1	1.8	<2	22	21
STANDARD DS5/FA-10R	12.2	143.1	24.9	132	.3	23.0	11.9	773	2.99	18.9	6.2	39.0	2.8	47	5.6	3.6	6.4	59	.74	.093	11	189.6	.67	137	.091	17	2.12	.034	.15	4.6	.19	3.6	1.1	<.05	7	4.8	493	491	483

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: P1 TO P5 CORE P AU** PT** & PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (15 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 8 2003 DATE REPORT MAILED: July 24/03 SIGNED BY. C. Leong ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA

MPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
150419	.3	144.7	.7	16	.1	1476.8	96.1	1128	6.08	.9	<.1	<.5	<.1	1	<.1	<.1	<.1	9	.15	.002	<1	412.6	15.17	<1	.003	30	.05	<.001	<.01	.1	.01	2.8	<.1	.50	<1	2.2	2	18	19
150420 PULP	.9	934.0	48.3	16	1.1	3106.9	129.4	323	5.73	37.0	.1	11.6	<.1	3	<.1	.5	.7	17	.12	.004	<1	364.3	8.13	51	.014	50	.30	.009	.01	.3	.08	2.2	<.1	1.05	1	3.8	20	80	382
150421	.1	515.4	2.1	22	.1	1718.7	107.5	970	6.25	<.5	<.1	2.0	<.1	35	.3	.1	<.1	11	.32	.008	<1	491.3	14.52	194	.013	64	.64	.001	.02	<.1	<.01	2.6	<.1	1.02	1	3.9	3	23	26
150422	.3	154.9	1.2	16	.1	1560.0	105.6	1088	5.94	.5	<.1	<.5	<.1	6	<.1	.1	<.1	7	.13	.002	<1	265.7	13.91	6	.002	35	.23	.002	<.01	.1	<.01	2.8	<.1	.62	1	2.7	<2	19	20
150423	.1	208.5	.7	15	<.1	1955.0	108.3	1111	6.60	.5	<.1	.7	<.1	5	.1	<.1	<.1	9	.60	.002	<1	264.0	14.29	1	.003	31	.03	<.001	<.01	<.1	<.01	3.2	<.1	.74	<1	3.6	3	26	35
150424	.3	306.5	.8	20	.1	1755.7	118.3	1129	6.76	<.5	<.1	.6	<.1	4	.1	.1	<.1	7	.50	.002	<1	401.0	15.39	<1	.002	40	.06	<.001	<.01	.1	<.01	2.4	<.1	.90	<1	4.0	2	26	30
150425	<.1	446.7	2.3	20	<.1	1360.3	148.7	1029	8.69	<.5	<.1	<.5	<.1	1	.2	<.1	<.1	5	.03	.002	<1	106.5	15.04	1	.003	29	.10	<.001	<.01	<.1	<.01	2.3	<.1	1.67	1	6.2	<2	22	26
150426	.3	602.8	2.7	20	.1	1482.9	195.1	895	8.64	<.5	<.1	<.5	<.1	9	.2	.1	<.1	7	.09	.007	<1	240.9	13.25	6	.010	38	.22	.005	.03	.1	<.01	1.9	<.1	1.85	1	6.5	3	23	25
150427	<.1	255.1	.8	21	<.1	1520.7	153.8	1316	6.82	<.5	<.1	.5	<.1	1	.1	.1	<.1	6	.09	.002	<1	475.2	17.09	<1	<.001	33	.03	<.001	<.01	<.1	<.01	2.6	<.1	.88	<1	3.5	<2	14	16
150428	.6	94.0	2.9	22	<.1	704.5	80.0	610	3.27	3.0	.1	<.5	<.1	35	.1	.1	<.1	8	.26	.014	<1	305.7	8.41	15	.016	20	.25	.031	.06	.4	<.01	1.9	<.1	.35	1	1.2	<2	7	8
150429	.1	220.6	.5	20	.1	1985.2	143.7	1100	6.25	.6	<.1	<.5	<.1	2	.2	<.1	<.1	5	.08	.002	<1	178.7	17.83	1	.004	17	.02	<.001	<.01	<.1	<.01	2.9	<.1	.48	<1	2.2	<2	12	14
150430	.4	209.6	.3	21	.1	1973.0	125.8	1189	5.98	1.2	<.1	<.5	<.1	1	.1	.1	.1	7	.14	.002	<1	379.7	17.76	<1	.004	28	.02	.001	<.01	.2	<.01	3.9	<.1	.38	<1	1.8	<2	17	19
150431	<.1	425.5	.5	17	.2	1832.7	101.8	1276	6.38	1.0	<.1	1.2	<.1	7	.1	<.1	<.1	12	.74	.002	<1	812.4	16.47	<1	.003	38	.02	<.001	<.01	<.1	<.01	4.5	<.1	.39	<1	2.4	4	16	17
150432	.3	332.9	.2	19	.2	1935.2	111.8	1158	6.01	<.5	<.1	.5	<.1	5	.2	<.1	<.1	9	.27	.002	<1	358.3	15.41	<1	.003	23	.02	<.001	<.01	.1	<.01	4.0	<.1	.35	<1	1.8	5	13	13
150433	<.1	135.7	.9	25	.1	1872.7	97.7	974	5.59	.6	<.1	<.5	<.1	28	.1	.1	<.1	13	.35	.021	<1	268.8	14.44	36	.015	24	.44	.003	.14	<.1	<.01	3.2	.1	.26	1	1.4	2	13	14
150434	.2	160.5	1.1	20	.3	3419.9	125.0	903	5.87	2.3	<.1	<.5	<.1	32	.1	.2	<.1	10	1.12	.008	<1	326.8	13.66	13	.012	59	.36	.001	.01	.1	<.01	3.1	<.1	.53	1	2.8	4	33	34
150435	<.1	177.7	1.3	21	.1	1761.7	85.8	790	5.28	2.4	<.1	.7	<.1	7	.2	.4	<.1	15	.27	.005	1	881.4	12.54	1	.004	44	.45	.001	<.01	<.1	<.01	2.4	<.1	.50	2	1.6	2	29	36
150436	.8	18.8	3.9	27	<.1	36.5	4.3	223	.92	.7	.1	<.5	.1	111	<.1	.1	<.1	19	.97	.037	1	12.0	.47	44	.061	1	.51	.037	.19	.9	<.01	.8	.1	.25	2	.5	<2	<2	<2
150437	.1	27.1	2.4	35	<.1	51.3	5.8	252	.98	.5	.1	<.5	.1	121	.1	.2	<.1	16	.75	.050	1	38.4	.55	41	.063	1	.64	.047	.19	<.1	<.01	.9	<.1	.21	3	.5	<2	3	6
150438	.1	273.1	1.9	13	.1	2426.2	110.6	386	5.46	5.1	<.1	1.8	<.1	18	.1	2.9	.1	19	.22	.003	<1	1336.1	15.22	1	.008	128	.09	.001	.01	.1	.01	3.7	<.1	.78	1	2.0	3	72	82
C 150438	.1	283.4	1.9	14	.1	2630.1	108.1	396	5.69	5.7	<.1	1.8	<.1	18	<.1	3.0	.1	19	.22	.002	<1	1420.2	15.87	1	.008	137	.09	.001	.01	.1	<.01	3.7	<.1	.77	1	2.3	3	63	67
RE C 150438	.1	267.5	2.3	15	.1	2592.2	115.6	381	5.47	6.2	<.1	1.3	<.1	18	<.1	3.2	.1	18	.21	.003	<1	1304.9	15.31	1	.007	127	.09	.001	.01	.1	<.01	4.0	<.1	.85	1	2.2	3	62	64
150439	.3	59.6	2.4	54	<.1	418.3	31.4	898	3.10	10.0	<.1	.5	.1	100	.1	.5	<.1	47	.48	.054	1	660.0	4.08	377	.076	1	2.69	.034	2.59	.3	<.01	2.5	.6	<.05	6	<.5	<2	24	23
150440	12.1	215.8	2.9	24	.1	1327.4	109.7	398	3.53	1.8	<.1	1.0	<.1	22	<.1	.2	.1	18	.14	.009	<1	1042.3	7.33	59	.012	14	1.12	.004	.60	<.1	<.01	1.5	.1	.68	4	1.8	3	60	79
150441	<.1	238.4	2.2	32	.1	1262.1	111.0	726	4.12	<.5	<.1	1.4	.2	10	.1	.2	.1	34	.11	.035	1	636.7	8.75	2	.005	17	1.41	.001	.01	<.1	<.01	3.7	<.1	.61	3	1.6	<2	45	63
150442	<.1	362.4	1.8	34	.2	1659.9	120.8	707	4.39	.6	.1	.5	.2	21	.2	.1	.1	38	.29	.025	1	657.6	8.61	15	.010	12	1.76	.002	.07	<.1	<.01	3.1	<.1	.62	4	1.9	<2	21	22
150443	.1	123.5	1.3	27	<.1	1461.7	101.5	485	3.60	8.7	<.1	.9	.1	166	<.1	.2	<.1	20	.22	.007	1	928.8	6.88	106	.012	15	1.67	.005	1.12	<.1	<.01	2.1	.3	.37	4	1.1	2	12	12
150444	1.9	88.2	1.7	39	<.1	1481.3	85.6	958	3.82	64.4	<.1	<.5	.1	269	<.1	.2	<.1	22	.43	.010	1	756.0	8.13	115	.020	11	1.74	.010	1.11	<.1	<.01	2.5	.3	.53	4	1.0	5	24	29
150445	.1	191.7	.6	15	<.1	2022.7	125.7	879	6.65	2.1	<.1	.7	<.1	12	<.1	.3	<.1	10	.03	.002	<1	462.7	13.70	2	.007	62	.10	<.001	.01	.1	<.01	3.1	<.1	.41	1	1.1	<2	13	12
150446	<.1	169.6	1.1	15	<.1	2019.1	137.9	857	6.52	2.5	<.1	1.7	<.1	32	.1	.4	<.1	14	2.11	.003	<1	486.6	12.74	2	.007	73	.17	<.001	.01	<.1	<.01	3.9	<.1	.59	1	1.2	2	35	30
150447	.3	358.5	.5	21	<.1	1667.2	176.0	979	7.32	<.5	<.1	.7	<.1	2	.1	<.1	<.1	6	.16	.002	<1	188.8	12.70	<1	.002	30	.02	<.001	<.01	.1	<.01	2.7	<.1	.75	<1	2.1	<2	9	11
150448	.3	206.7	.4	20	.1	2137.2	126.4	1099	6.66	<.5	<.1	1.2	<.1	2	.1	<.1	<.1	15	.20	.002	<1	200.3	13.74	<1	.001	21	.03	<.001	<.01	<.1	<.01	3.7	<.1	.49	<1	1.9	<2	9	10
150449	.6	111.5	1.0	26	.1	1780.0	99.3	889	5.38	<.5	<.1	.7	<.1	77	.1	<.1	<.1	23	.45	.026	<1	194.3	11.68	124	.020	21	.66	.142	.24	.1	<.01	3.3	.1	.35	1	1.4	<2	9	9
150450 PULP	.2	717.0	1.0	10	.5	1107.5	35.7	109	3.36	<.5	.8	29.2	<.1	11	<.1	<.1	.1	18	.23	.007	<1	180.3	1.98	17	.025	<1	.33	.036	.01	.1	.01	2.2	<.1	.23	1	4.6	46	138	115
TANDARD DS5/	12.3	145.1	23.4	140	.3	22.9	11.8	750	2.88	17.7	6.1	40.3	2.7	50	5.7	3.5	6.4	58	.73	.092	11	177.6	.65	135	.088	17	2.06	.033	.19	4.5	.17	3.6	1.0	<.05	7	5.0	480	473	487

Standard is STANDARD DS5/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
C 150451	1.2	196.7	.4	30	.1	2431.8	134.1	1116	6.72	<.5	<.1	<.5	.1	2	.1	<.1	<.1	8	.10	.003	<1	111.4	16.90	2	.001	14	.07	.001	.01	.2	<.01	3.6	<.1	.50	<1	1.9	<2	16	17
C 150452	2.9	168.4	.3	30	<.1	3370.3	145.5	1170	7.02	<.5	<.1	<.5	.1	1	<.1	<.1	<.1	6	.11	.002	<1	105.6	17.70	<1	.001	12	.01	.001	<.01	<.1	<.01	3.8	<.1	.46	<1	2.3	<2	30	28
C 150453	.5	149.0	.2	28	.1	3075.1	133.2	1133	6.53	<.5	<.1	<.5	.1	1	.1	<.1	<.1	8	.07	.002	<1	130.6	16.27	<1	.003	10	.03	<.001	<.01	.2	<.01	4.4	<.1	.45	<1	1.9	<2	27	30
C 150454	.2	205.3	.3	23	.1	2142.2	109.3	1058	6.37	1.6	<.1	2.2	.2	15	<.1	.1	<.1	34	.62	.022	1	974.7	14.56	6	.029	56	.51	.002	.02	<.1	<.01	5.4	<.1	.38	2	1.2	2	14	16
C 150455	.3	84.4	.2	33	<.1	1796.7	101.8	1088	5.97	1.5	<.1	<.5	.1	15	<.1	.1	<.1	11	.22	.002	<1	193.8	12.72	7	.007	24	1.20	<.001	.08	.1	<.01	4.1	<.1	.22	1	1.0	6	18	17
C 150456	.1	185.8	.2	29	.1	2592.1	142.6	1175	7.00	<.5	<.1	.6	.1	1	<.1	.1	<.1	5	.14	.002	<1	113.6	14.83	<1	<.001	19	.01	<.001	<.01	<.1	<.01	3.5	<.1	.32	<1	1.5	<2	97	73
C 150457	.3	147.6	.2	30	.1	2535.6	130.6	1041	6.29	<.5	<.1	.5	.1	4	.1	<.1	<.1	10	.26	.018	<1	112.2	13.15	11	.010	16	.35	.001	.18	.1	<.01	3.5	<.1	.29	1	1.7	<2	42	41
C 150458	.2	203.8	.3	22	.1	2076.2	140.9	1023	7.16	<.5	<.1	<.5	.1	1	<.1	.1	<.1	10	.08	.002	<1	265.4	13.59	<1	.006	39	.04	<.001	<.01	<.1	<.01	4.2	<.1	.40	<1	1.5	<2	21	22
C 150459	.3	118.0	.8	24	.1	2047.7	120.8	980	6.50	<.5	<.1	1.4	.1	11	<.1	.1	<.1	27	.47	.012	<1	491.6	13.79	5	.018	59	.43	.001	<.01	<.1	<.01	5.3	<.1	.25	1	1.2	<2	35	39
C 150460	.2	437.5	.4	19	.2	2214.7	155.6	1141	6.78	<.5	<.1	1.2	<.1	<1	.1	.1	<.1	5	.03	.002	<1	304.9	13.74	<1	.003	34	.01	<.001	<.01	<.1	<.01	3.0	<.1	.37	<1	1.6	13	38	34
C 150461	.6	511.1	.5	24	.3	3328.4	131.5	1042	5.66	<.5	<.1	5.5	.1	2	.1	<.1	<.1	4	.09	.005	<1	117.6	16.74	3	.002	13	.13	.001	.03	.2	<.01	3.2	<.1	.25	<1	2.0	8	76	63
C 150462	.1	145.5	.1	16	.1	2516.6	110.1	989	5.07	<.5	<.1	2.5	<.1	<1	<.1	<.1	<.1	3	.13	.002	<1	420.0	17.99	1	<.001	15	.02	<.001	<.01	<.1	<.01	2.9	<.1	.17	<1	1.2	<2	68	31
C 150463	.6	451.1	.3	25	.3	3545.9	146.5	1104	6.12	.7	<.1	10.0	<.1	<1	.1	<.1	.1	3	.10	.001	<1	73.8	18.57	<1	.003	11	<.01	.001	<.01	.2	<.01	2.8	<.1	.27	<1	2.1	14	159	113
C 150464	.1	369.6	1.0	62	.2	1840.8	143.7	1255	6.85	.6	<.1	2.6	<.1	<1	.1	.6	<.1	4	.12	.002	<1	127.3	18.32	<1	.003	11	<.01	.001	<.01	<.1	<.01	4.0	<.1	.16	<1	1.4	6	20	17
C 150465	.7	326.2	.2	28	.1	2340.0	171.0	1357	7.90	.5	<.1	2.1	<.1	<1	.1	<.1	<.1	3	.11	.001	<1	91.5	19.14	<1	.001	14	<.01	.001	<.01	.3	<.01	3.3	<.1	.41	<1	1.6	3	151	110
C 150466	.2	194.6	.3	27	.1	1761.3	175.0	1410	8.54	<.5	<.1	1.4	<.1	<1	<.1	<.1	<.1	4	.08	.001	<1	89.7	19.30	<1	<.001	13	<.01	.001	<.01	<.1	<.01	3.3	<.1	.27	<1	1.2	2	49	32
C 150467	.9	346.2	.3	26	.2	1523.1	178.9	1316	7.92	<.5	<.1	.9	<.1	<1	.1	<.1	<.1	3	.11	.002	<1	112.7	20.04	<1	.002	11	<.01	.001	<.01	.3	<.01	3.7	<.1	.38	<1	1.6	<2	11	10
C 150468	.2	498.6	.9	27	.2	2633.1	167.4	1208	7.03	<.5	<.1	1.5	.1	2	<.1	<.1	<.1	2	.20	.002	<1	133.6	21.10	2	.002	7	.02	.001	<.01	<.1	<.01	3.5	<.1	.38	<1	2.0	2	44	43
C 150469	.6	235.8	.4	25	.1	2911.9	135.2	1087	6.07	<.5	<.1	1.8	.1	10	<.1	<.1	<.1	15	.51	.009	<1	128.3	18.44	19	.009	9	.27	.001	.02	.3	<.01	5.9	<.1	.17	1	1.2	2	49	36
C 150470	.1	167.2	.1	32	.1	2642.7	143.9	1238	6.83	<.5	<.1	.6	<.1	3	<.1	<.1	<.1	3	.16	.001	<1	117.5	21.46	2	.002	6	.01	.001	<.01	<.1	<.01	6.3	<.1	.14	<1	1.1	3	50	47
C 150471	.8	209.9	.7	31	.2	2086.5	151.8	1312	7.46	<.5	<.1	2.1	<.1	3	.1	<.1	<.1	3	.13	.001	<1	118.6	19.77	1	<.001	8	<.01	.001	<.01	.3	<.01	3.7	<.1	.20	<1	1.2	3	22	22
C 150472	.1	334.9	.8	30	.2	2569.9	159.1	1156	6.94	<.5	<.1	3.3	.1	8	.1	<.1	<.1	11	.25	.006	<1	145.5	18.30	14	.007	9	.15	.001	.02	<.1	<.01	4.5	<.1	.22	<1	1.4	4	31	31
RE C 150472	.1	342.9	.9	29	.2	2700.1	154.6	1181	7.10	<.5	<.1	3.2	.1	7	.1	<.1	<.1	10	.25	.006	<1	136.2	18.65	13	.004	9	.16	<.001	.02	<.1	<.01	4.6	<.1	.23	<1	1.2	4	30	31
RRE C 150472	.7	330.6	.7	31	.1	2568.5	152.2	1181	7.01	<.5	<.1	1.4	.1	8	.1	<.1	<.1	10	.25	.006	<1	146.8	18.46	11	.007	9	.13	.001	.02	.2	<.01	4.7	<.1	.19	<1	1.3	3	29	30
C 150473	.1	136.7	.9	21	.1	1294.6	142.5	998	7.31	<.5	<.1	.5	.1	6	<.1	<.1	<.1	4	.17	.002	<1	148.0	16.75	1	.006	10	.06	.001	<.01	<.1	<.01	2.5	<.1	.12	<1	.8	<2	11	11
C 150474	.8	77.4	.1	22	<.1	2526.5	122.4	1009	5.52	<.5	<.1	<.5	<.1	1	<.1	<.1	<.1	2	.12	.001	<1	93.8	22.73	<1	.002	5	<.01	.001	<.01	.3	<.01	2.7	<.1	.10	<1	.7	<2	7	8
C 150475	.1	359.9	.7	34	.2	3199.7	169.5	1224	7.14	<.5	<.1	1.8	<.1	3	.1	<.1	<.1	3	.18	.001	<1	119.2	22.52	<1	.004	4	<.01	.001	<.01	<.1	<.01	3.6	<.1	.28	<1	1.8	5	24	28
C 150476	.8	322.7	1.2	31	.2	2496.4	144.4	1147	6.54	<.5	<.1	2.8	.1	6	.1	<.1	<.1	5	.15	.002	<1	117.0	20.34	22	.005	5	.25	.003	.18	.3	<.01	3.3	<.1	.19	<1	1.2	20	33	31
C 150477	.1	80.3	.1	25	.1	2673.9	123.6	1014	5.37	<.5	<.1	1.2	.1	6	<.1	<.1	<.1	9	.18	.006	<1	93.1	21.08	37	.009	5	.14	.003	.06	<.1	<.01	4.6	<.1	.08	<1	.8	2	15	15
C 150478	.6	173.8	2.7	20	.2	2423.6	120.6	784	4.87	1.0	<.1	1.0	.1	49	.1	.1	.1	21	.50	.020	<1	147.4	12.93	96	.016	4	.50	.019	.29	.2	<.01	3.6	.1	.46	1	1.4	55	21	17
C 150479	1.1	336.1	10.6	32	.3	3519.6	135.8	1025	5.70	1.9	<.1	2.9	.1	41	.2	<.1	.1	35	.43	.028	<1	89.6	13.78	192	.019	6	.71	.008	.51	<.1	<.01	3.5	.1	.60	1	1.9	22	39	45
E 178801	.7	90.5	.1	41	.1	1963.0	120.0	1427	6.89	<.5	<.1	<.5	<.1	1	<.1	.2	<.1	5	.05	.002	<1	148.7	17.33	4	.003	6	.04	.001	.02	.4	<.01	3.6	<.1	.11	<1	.8	2	48	55
E 178802	.1	100.5	.3	40	.1	2111.4	118.7	1381	6.95	<.5	<.1	1.0	<.1	<1	.1	.1	<.1	5	.04	.002	<1	128.7	17.69	2	.005	7	.02	.001	.01	<.1	<.01	5.4	<.1	.15	<1	1.0	8	24	26
E 178803	.4	55.4	.1	23	.1	1626.4	111.6	1416	7.33	.6	<.1	.6	<.1	<1	<.1	<.1	<.1	11	.02	.003	<1	479.9	14.98	2	.010	12	.05	<.001	.01	.2	<.01	5.1	<.1	.08	<1	1.1	2	31	30
STANDARD DS5	12.5	135.9	23.7	131	.3	22.1	12.0	745	2.82	18.7	5.8	40.8	2.5	50	5.6	3.6	6.0	58	.72	.103	11	190.7	.64	144	.088	18	2.02	.036	.15	4.8	.17	3.5	1.0	<.05	6	4.8	489	496	481

Standard is STANDARD DS5/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data K FA Y

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
178804	.2	152.3	.7	20	.2	2110.5	121.6	1213	6.47	1.4	<.1	3.4	<.1	1	.1	.2	.1	10	.03	.004	<1	383.9	13.03	6	.006	6	.08	.001	.03	.1	<.01	5.8	<.1	.25	<1	1.7	4	81	105
178805	.1	227.6	3.2	90	.2	2142.6	121.7	1551	7.86	4.5	<.1	17.9	<.1	1	.1	2.1	.1	12	.03	.004	<1	400.9	16.75	6	.007	11	.04	.001	.01	<.1	<.01	6.8	<.1	.26	<1	1.4	9	56	65
178806	.4	541.6	.4	21	.2	2367.3	122.4	1355	6.95	.8	<.1	2.3	<.1	<1	<.1	.2	.1	10	.02	.002	<1	360.2	15.51	1	.008	9	.03	.001	<.01	.1	<.01	4.7	<.1	.35	<1	1.8	2	43	50
178807	<.1	90.9	.3	29	.1	1714.3	113.6	1507	6.96	<.5	<.1	<.5	<.1	1	<.1	.1	<.1	9	.03	.003	<1	374.2	17.86	4	.004	8	.05	<.001	.01	<.1	<.01	5.1	<.1	.21	<1	.8	<2	7	11
178808	.4	98.4	.4	23	.1	1636.9	106.7	1502	6.70	.9	<.1	<.5	<.1	1	<.1	.1	<.1	16	.08	.003	<1	639.9	16.43	5	.012	10	.09	<.001	.02	.1	<.01	5.3	<.1	.19	<1	.9	<2	46	59
178809	<.1	322.4	1.0	32	.2	2142.2	118.2	1340	6.79	<.5	<.1	4.1	<.1	6	.3	<.1	.1	18	.22	.012	<1	319.3	15.44	54	.011	5	.29	.001	.11	<.1	<.01	4.8	<.1	.27	<1	1.0	5	42	50
178810 PULP	.2	728.3	1.0	11	.5	1020.8	33.7	116	3.25	<.5	1.0	38.2	<.1	11	<.1	<.1	.1	19	.26	.007	<1	180.9	2.00	18	.029	<1	.35	.037	.01	.1	.01	2.2	<.1	.21	1	4.5	43	126	116
178811	.7	363.7	1.0	33	.2	1790.4	101.0	1330	6.40	.5	<.1	.7	<.1	8	.3	.1	<.1	32	.07	.009	<1	1041.2	17.76	78	.023	8	.47	.001	.28	.3	<.01	5.5	<.1	.16	1	.8	3	8	11
178812	.1	305.2	.8	26	.3	2599.0	141.6	1253	6.92	.5	<.1	2.5	<.1	4	.2	.1	.1	20	.25	.006	<1	788.8	16.45	14	.011	16	.17	.001	.05	<.1	<.01	6.1	<.1	.36	1	1.4	5	40	42
178813	.4	205.8	.5	19	.1	2124.6	128.8	1289	7.90	.6	<.1	1.8	<.1	3	.1	.2	.1	35	.13	.010	<1	1512.8	18.12	16	.020	22	.31	<.001	.06	.1	<.01	7.2	<.1	.24	1	1.3	3	35	38
178814	<.1	121.2	.2	19	.1	1674.8	108.4	1233	6.20	<.5	<.1	1.9	<.1	1	.1	.1	<.1	11	.09	.003	<1	529.5	15.38	2	.011	10	.06	.001	<.01	<.1	<.01	5.5	<.1	.20	<1	.7	<2	16	21
178815	.5	126.7	.4	25	.1	1880.3	118.2	1340	7.15	.5	<.1	1.0	<.1	2	<.1	.2	.1	12	.35	.003	<1	618.7	17.47	3	.009	13	.09	.001	.01	.2	<.01	7.2	<.1	.19	<1	.9	<2	46	51
178816	<.1	107.6	.3	19	.1	1299.3	86.9	945	5.28	.8	<.1	<.5	<.1	3	<.1	.2	<.1	19	.12	.009	<1	699.3	12.28	13	.013	12	.19	<.001	.05	<.1	<.01	6.1	<.1	.17	<1	.7	<2	13	17
178817	.5	82.5	.2	20	.1	1678.4	105.7	1307	7.48	.6	<.1	.8	<.1	5	<.1	.1	.1	31	.11	.013	<1	1154.6	15.38	16	.016	19	.37	.001	.05	.2	<.01	6.4	<.1	.15	1	1.0	<2	53	56
178818	<.1	350.9	.5	28	.2	2749.1	154.9	1576	8.83	1.0	<.1	2.2	<.1	2	.2	.1	.1	20	.07	.009	<1	1056.0	18.39	8	.008	16	.21	<.001	.03	<.1	<.01	5.4	<.1	.30	1	1.4	2	111	118
178819	.3	202.7	.3	17	.1	1942.1	124.9	1172	7.96	1.3	<.1	1.0	<.1	1	<.1	.1	<.1	18	.05	.004	<1	1147.0	15.96	5	.014	26	.14	.001	.02	.1	<.01	4.4	<.1	.24	1	1.4	<2	71	64
178820	.3	40.6	1.2	66	<.1	370.9	43.8	938	5.48	3.6	.1	<.5	.1	155	.1	<.1	<.1	106	1.12	.128	1	244.1	5.07	1948	.129	1	3.90	.030	3.28	<.1	<.01	7.2	.9	.06	6	<.5	<2	9	12
178821	.5	152.0	.5	30	.1	2074.7	125.8	1497	7.64	.7	<.1	<.5	<.1	2	.1	.1	.1	20	.08	.007	<1	560.3	18.49	18	.009	11	.31	.001	.10	.2	<.01	5.8	<.1	.19	1	.7	<2	44	50
178822	.1	104.9	.3	24	.1	2026.6	119.1	1719	7.97	.9	<.1	.8	<.1	2	<.1	.2	<.1	16	.11	.004	<1	931.7	18.97	12	.010	17	.14	.001	.04	<.1	<.01	5.2	<.1	.24	<1	1.1	<2	42	62
RE E 178822	.1	95.7	.3	23	.1	1873.2	112.3	1668	7.78	.5	<.1	1.0	<.1	2	<.1	.1	<.1	15	.11	.005	<1	867.4	18.60	11	.009	17	.13	<.001	.04	<.1	<.01	5.0	<.1	.26	<1	1.0	2	60	72
RRE E 178822	<.1	103.7	.2	25	.1	2018.8	120.3	1740	8.12	.9	<.1	2.3	<.1	2	<.1	.1	<.1	16	.11	.005	<1	939.7	19.10	9	.011	24	.13	.001	.04	<.1	<.01	4.9	<.1	.27	<1	1.4	2	44	54
E 178823	.6	205.3	.1	25	.1	1829.9	109.8	1531	7.16	.8	<.1	.8	<.1	3	<.1	.1	<.1	15	.08	.006	<1	923.5	18.96	14	.015	11	.18	<.001	.04	.2	<.01	5.1	<.1	.19	1	.9	<2	16	19
E 178824	.4	207.6	.2	8	<.1	1301.6	72.7	926	6.42	.9	<.1	<.5	<.1	14	<.1	.2	<.1	19	2.87	.004	<1	704.8	16.34	18	.020	24	.31	.002	.06	<.1	<.01	7.8	<.1	.23	1	1.1	<2	8	12
E 178825	<.1	163.4	.2	25	.2	2533.1	141.4	1415	7.36	<.5	<.1	.9	<.1	1	.1	.1	.1	8	.08	.003	<1	389.5	18.22	5	.003	9	.06	<.001	.02	<.1	<.01	5.7	<.1	.19	<1	1.1	<2	43	49
E 178826	.7	78.1	<.1	35	.1	2424.2	132.5	1603	7.78	.6	<.1	2.2	<.1	<1	.1	.1	<.1	4	.03	.004	<1	158.9	19.74	2	.003	5	.03	.001	.01	.3	<.01	4.2	<.1	.13	<1	.8	<2	85	89
E 178827	<.1	60.4	2.0	30	.1	2185.3	130.7	1565	7.77	<.5	<.1	.9	<.1	<1	<.1	.1	<.1	6	.03	.003	<1	184.6	19.95	12	<.001	8	.03	<.001	.01	<.1	<.01	4.5	<.1	.13	<1	.9	<2	50	46
E 178828	.7	233.1	.1	33	.2	2306.4	139.3	1552	7.73	<.5	<.1	1.5	<.1	1	.1	<.1	.1	5	.06	.003	<1	178.4	19.75	1	.006	5	.02	<.001	.01	.3	<.01	5.1	<.1	.22	<1	1.1	<2	38	47
E 178829	<.1	350.0	.3	26	.2	2450.7	135.6	1466	7.66	<.5	<.1	4.2	<.1	1	.2	.1	.1	6	.16	.003	<1	270.1	19.05	2	.003	7	.03	<.001	.01	<.1	<.01	5.4	<.1	.33	<1	1.5	2	80	73
E 178830	.8	143.5	.3	27	.1	1917.1	129.7	1384	7.38	<.5	<.1	2.0	<.1	2	.1	.1	<.1	9	.18	.005	<1	372.1	18.28	3	.005	10	.07	.001	.01	.2	<.01	5.3	<.1	.17	<1	.9	<2	80	67
E 178831	<.1	56.0	.1	34	.1	2107.9	138.0	1624	8.23	<.5	<.1	1.3	<.1	1	.1	.1	<.1	5	.04	.004	<1	185.9	22.10	6	.005	5	.06	<.001	.02	<.1	<.01	4.5	<.1	.08	<1	.5	<2	143	109
E 178832	<.1	22.5	<.1	37	<.1	2249.8	145.8	1607	7.94	<.5	<.1	.8	<.1	<1	<.1	.1	<.1	5	.07	.005	<1	231.5	21.41	1	.005	8	.03	.001	.01	<.1	<.01	5.9	<.1	.07	<1	<.5	<2	47	32
E 178833	1.0	19.5	<.1	36	<.1	2413.0	137.1	1466	6.60	<.5	<.1	<.5	<.1	1	<.1	<.1	<.1	7	.05	.005	<1	478.8	19.99	4	.005	7	.05	<.001	.02	.3	<.01	5.0	<.1	.10	<1	<.5	<2	45	39
E 178834	.4	88.7	.4	16	<.1	2173.2	128.0	883	8.08	1.1	<.1	.5	<.1	3	<.1	.1	<.1	24	.48	.005	<1	2196.0	20.17	6	.016	39	.24	.001	.02	<.1	<.01	5.1	<.1	.23	1	1.3	<2	7	8
E 178835	.7	70.5	.2	21	<.1	2200.0	122.8	1223	6.34	.8	<.1	<.5	<.1	1	<.1	.1	<.1	13	.11	.004	<1	1384.1	19.87	2	.009	28	.11	.001	.01	.2	<.01	4.5	<.1	.18	1	.7	<2	5	6
STANDARD DS5/	12.3	137.6	24.0	133	.3	24.4	11.6	768	2.94	17.3	5.9	40.8	2.6	48	5.6	3.7	6.0	60	.78	.097	13	179.1	.69	135	.097	18	2.06	.032	.15	4.5	.16	3.5	.9	<.05	6	4.9	507	473	494

Standard is STANDARD DS5/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Au** ppb	Pt** ppb	Pd** ppb
178836	.1	32.7	.3	23	<.1	1844.9	103.9	1490	6.49	.5	<.1	.5	<.1	1	<.1	<.1	<.1	9	.06	.004	<1	509.5	20.27	2	.006	10	.04	<.001	.01	<.1	<.01	3.6	<.1	.12	<1	.6	<2	4	4
178837	.8	37.7	.2	27	<.1	2048.5	105.6	1478	6.86	.7	<.1	<.5	<.1	1	<.1	<.1	<.1	15	.14	.006	<1	721.3	21.32	2	.005	11	.10	<.001	.01	.2	<.01	3.5	<.1	.12	<1	<.5	<2	3	3
178838	.2	25.4	.3	24	<.1	2015.2	103.7	1466	7.09	.6	<.1	<.5	<.1	2	<.1	.1	<.1	25	.24	.003	<1	782.2	20.79	7	.009	18	.16	.001	.03	<.1	<.01	3.7	<.1	.15	<1	<.5	<2	33	19
178839	.8	21.1	.2	31	<.1	2242.0	104.7	1463	7.21	<.5	<.1	<.5	<.1	2	<.1	.1	<.1	20	.29	.004	<1	632.3	22.37	8	.007	11	.14	<.001	.03	.2	<.01	3.7	<.1	.11	<1	<.5	<2	69	52
178840 PULP	.2	736.7	1.5	12	.5	1162.0	38.1	125	3.43	<.5	1.0	31.9	.1	11	<.1	<.1	.1	21	.27	.007	<1	216.8	2.16	19	.027	<1	.36	.039	.01	<.1	.02	2.4	<.1	.21	1	4.8	48	130	107
178841	.2	37.9	.3	28	<.1	2203.0	103.0	1467	7.37	.7	<.1	1.6	<.1	2	<.1	.1	<.1	24	.08	.005	<1	1072.5	21.49	8	.009	17	.18	<.001	.03	<.1	<.01	4.2	<.1	.12	<1	.5	2	657	325
178842	.9	17.7	.2	28	<.1	2288.4	114.0	1423	6.80	.5	<.1	1.0	<.1	1	<.1	<.1	<.1	13	.05	.005	<1	671.5	22.27	4	.005	10	.11	<.001	.02	.2	<.01	3.2	<.1	.11	<1	.5	<2	73	49
178843	.2	26.7	.3	18	<.1	1983.6	99.6	1092	6.77	.8	<.1	<.5	<.1	2	<.1	.1	<.1	28	.05	.004	<1	1367.2	20.20	6	.011	24	.27	.001	.03	<.1	<.01	3.2	<.1	.15	1	.5	<2	195	135
178844	.8	15.6	.2	27	<.1	2036.5	103.8	1512	7.34	<.5	<.1	.5	<.1	1	<.1	<.1	<.1	21	.05	.004	<1	988.0	22.92	6	.007	11	.18	<.001	.02	.2	<.01	3.5	<.1	.09	<1	<.5	<2	8	6
178845	.1	20.8	.2	26	<.1	1812.9	92.3	1216	6.38	<.5	<.1	<.5	<.1	3	<.1	<.1	<.1	38	.42	.011	<1	1022.8	19.09	5	.021	13	.51	.001	.02	<.1	.01	5.1	<.1	.09	1	.5	<2	5	3
178846	.7	12.6	.2	28	<.1	2292.6	110.5	1400	7.01	.6	<.1	.6	<.1	2	<.1	.1	<.1	21	.05	.006	<1	1170.3	21.48	5	.008	14	.23	.001	.02	.1	<.01	3.5	<.1	.11	1	.5	<2	8	14
178847	.2	50.5	2.8	95	.1	313.9	28.1	509	3.45	<.5	.1	.5	.1	210	.1	1.1	<.1	45	1.31	.098	1	151.2	3.70	279	.100	1	2.56	.268	1.15	<.1	<.01	1.8	.5	<.05	4	<.5	<2	9	<2
178848	.8	46.8	1.9	52	<.1	413.2	30.5	590	3.42	.6	<.1	<.5	.1	129	.1	<.1	<.1	38	1.02	.100	1	236.4	4.53	57	.082	2	1.83	.187	.81	.4	<.01	2.4	.3	<.05	3	<.5	<2	2	<2
RE E 178848	.8	44.7	1.9	51	<.1	413.4	30.3	594	3.44	.6	<.1	<.5	.1	129	<.1	.1	<.1	37	1.02	.099	1	230.6	4.57	58	.083	2	1.83	.196	.77	.5	<.01	2.2	.3	<.05	3	<.5	<2	<2	<2
RRE E 178848	.2	45.0	1.5	50	<.1	390.7	29.0	567	3.31	.6	<.1	<.5	.1	132	.1	<.1	<.1	37	1.04	.101	1	209.2	4.21	62	.081	2	1.91	.268	.78	<.1	<.01	2.1	.3	<.05	3	<.5	<2	<2	3
178849	.6	11.3	.1	22	<.1	1264.8	85.7	1241	5.96	<.5	<.1	<.5	<.1	2	<.1	<.1	<.1	20	.08	.005	<1	828.3	16.39	6	.010	12	.26	.002	.10	.2	<.01	4.7	<.1	.07	1	<.5	<2	2	<2
178850	.1	26.5	.4	23	<.1	1797.3	99.9	1207	7.19	.9	<.1	.5	<.1	4	<.1	.1	<.1	37	.09	.011	<1	1432.6	18.36	18	.015	18	.41	<.001	.04	<.1	<.01	4.7	<.1	.14	1	.6	<2	18	12
178851	.3	24.8	.6	34	<.1	1798.1	101.6	1116	6.42	.8	<.1	<.5	<.1	5	.1	.1	<.1	64	.53	.029	<1	1022.0	15.06	17	.043	15	.94	<.001	.18	.1	<.01	6.1	<.1	.11	2	.6	<2	5	5
178852	.2	23.3	1.0	51	<.1	1334.9	74.8	1053	5.14	.5	<.1	<.5	.1	107	<.1	.1	<.1	32	.61	.056	1	854.2	12.87	306	.040	13	1.57	.211	.48	<.1	<.01	3.4	.2	.08	3	<.5	<2	<2	<2
STANDARD DS5/	12.7	138.0	23.6	138	.3	24.3	11.7	761	2.85	17.2	5.6	42.8	2.5	47	5.6	3.5	5.9	58	.73	.093	12	189.8	.64	134	.097	15	2.03	.033	.14	4.4	.18	3.4	1.0	<.05	6	4.8	487	477	495

Standard is STANDARD DS5/FA-10R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

should be 45751 45752 bottom of hole 03-09

Data FA

(Acme Analytical Laboratories)

ASSAY CERTIFICATE

Canadian Metals Exploration Limited PROJECT Turnagain File # A302482 Page 1

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Cu %	Ni %	Co %	Sample gm
SI	.001	<.001	<.001	-
C 150387	.036	.220	.018	3900
C 150388	.021	.178	.015	2700
C 150389	.023	.215	.017	2800
C 150390 PULP	.097	.315	.013	-
C 150391	.035	.233	.021	3500
C 150392	.021	.128	.012	1800
C 150393	.074	.240	.031	1800
C 150394	.040	.107	.014	3100
C 150395	.032	.123	.013	2600
C 150396	.028	.161	.016	3400
C 150397	.196	.280	.017	3000
C 150398	.062	.141	.024	3200
C 150399	.114	.219	.032	3300
C 150400	.111	.262	.027	2800
C 150401	.136	.276	.028	4400
C 150402	.095	.223	.021	1200
RE C 150402	.094	.220	.021	-
RRE C 150402	.095	.222	.021	-
C 150403	.094	.266	.023	3800
C 150404	.108	.345	.030	3200
C 150405	.061	.170	.019	3100
C 150406	.040	.150	.020	2900
C 150407	.037	.228	.022	3400
C 150408	.019	.218	.016	3300
C 150409	.016	.168	.017	3500
C 150410	.034	.206	.019	2500
C 150411	.055	.229	.017	3600
C 150412	.079	.282	.018	3500
C 150413	.067	.319	.020	2900
C 150414	.063	.280	.017	3300
C 150415	.038	.188	.011	3200
C 150416	.013	.196	.012	3000
C 150417	.022	.146	.012	2200
C 150418	.017	.147	.012	2400
STANDARD R-2	.564	.368	.045	-

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
- SAMPLE TYPE: P1 TO P5 CORE P Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 8 2003 **DATE REPORT MAILED:** July 24/03 **SIGNED BY** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Cu %	Ni %	Co %	Sample gm
C 150419	.015	.168	.011	2800
C 150420 PULP	.098	.306	.013	-
C 150421	.055	.190	.012	2900
C 150422	.015	.170	.011	3400
C 150423	.023	.219	.012	3400
C 150424	.033	.197	.013	3500
C 150425	.047	.148	.017	3400
C 150426	.065	.161	.023	3200
C 150427	.029	.183	.019	3100
C 150428	.011	.081	.008	3200
C 150429	.025	.211	.016	3200
C 150430	.021	.194	.013	2900
C 150431	.045	.209	.012	3100
C 150432	.037	.205	.012	3000
C 150433	.014	.199	.010	2700
C 150434	.016	.323	.013	3000
C 150435	.021	.201	.010	3500
C 150436	.002	.004	<.001	2500
C 150437	.003	.007	.001	3800
C 150438	.031	.265	.012	4200
RE C 150438	.031	.266	.012	-
RRE C 150438	.030	.268	.012	-
C 150439	.006	.049	.003	4900
C 150440	.025	.145	.012	2100
C 150441	.028	.138	.013	3100
C 150442	.042	.186	.014	2900
C 150443	.013	.147	.010	2600
C 150444	.010	.156	.009	2600
C 150445	.021	.202	.013	2900
C 150446	.018	.214	.014	3300
C 150447	.040	.178	.019	2800
C 150448	.023	.234	.014	3500
C 150449	.012	.180	.010	2600
C 150450 PULP	.076	.108	.003	-
STANDARD R-2	.563	.358	.044	-

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ___

SAMPLE#	Cu %	Ni %	Co %	Sample gm
C 150451	.019	.251	.014	3200
C 150452	.017	.316	.014	2800
C 150453	.015	.297	.013	2800
C 150454	.022	.214	.011	2400
C 150455	.009	.201	.011	2700
C 150456	.019	.251	.014	3000
C 150457	.016	.265	.013	2900
C 150458	.023	.235	.017	3000
C 150459	.013	.206	.012	2900
C 150460	.044	.204	.014	3000
C 150461	.054	.321	.013	2900
C 150462	.015	.240	.011	3300
C 150463	.051	.363	.016	3000
C 150464	.038	.185	.013	3000
C 150465	.035	.233	.017	3100
C 150466	.020	.173	.018	3200
C 150467	.038	.142	.016	3200
C 150468	.050	.253	.017	3200
C 150469	.025	.271	.013	2600
C 150470	.018	.268	.015	3200
C 150471	.024	.237	.017	3200
C 150472	.039	.270	.017	3400
RE C 150472	.037	.258	.016	-
RRE C 150472	.039	.281	.018	-
C 150473	.015	.139	.016	2800
C 150474	.010	.289	.015	3200
C 150475	.036	.264	.015	3400
C 150476	.035	.267	.015	3100
C 150477	.008	.266	.012	3400
C 150478	.018	.225	.012	2900
C 150479	.036	.335	.013	2900
E 178801	.010	.195	.012	1600
E 178802	.011	.221	.012	1800
E 178803	.006	.172	.011	1200
STANDARD R-2	.562	.372	.045	-

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Cu %	Ni %	Co %	Sample gm
E 178804	.018	.225	.013	2500
E 178805	.022	.201	.012	1300
E 178806	.058	.247	.013	3300
E 178807	.010	.183	.012	3500
E 178808	.011	.178	.012	2600
E 178809	.033	.219	.013	3500
E 178810 PULP	.075	.106	.003	-
E 178811	.041	.204	.011	3200
E 178812	.033	.254	.014	2500
E 178813	.022	.210	.012	3200
E 178814	.014	.169	.011	3000
E 178815	.014	.191	.012	3200
E 178816	.012	.128	.009	3200
E 178817	.009	.161	.010	3000
E 178818	.038	.281	.016	3100
E 178819	.022	.203	.013	2200
E 178820	.004	.037	.004	2500
E 178821	.016	.197	.012	3000
E 178822	.012	.199	.012	2000
RE E 178822	.011	.202	.012	-
RRE E 178822	.012	.205	.012	-
E 178823	.022	.200	.011	3200
E 178824	.022	.129	.007	1000
E 178825	.018	.238	.013	2000
E 178826	.008	.239	.013	3500
E 178827	.006	.217	.013	3600
E 178828	.026	.229	.014	3100
E 178829	.039	.247	.015	3500
E 178830	.017	.199	.013	3300
E 178831	.006	.201	.013	3400
E 178832	.002	.204	.013	3500
E 178833	.002	.222	.012	1500
E 178834	.009	.199	.011	1700
E 178835	.008	.220	.012	1200
STANDARD R-2	.560	.368	.045	-

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Cu %	Ni %	Co %	Sample gm
E 178836	.004	.219	.012	2200
E 178837	.004	.229	.012	3300
E 178838	.004	.238	.012	3300
E 178839	.003	.251	.012	3500
E 178840 PULP	.076	.110	.003	-
E 178841	.005	.252	.012	3500
E 178842	.002	.251	.012	2100
E 178843	.004	.243	.012	3600
E 178844	.002	.233	.012	3400
E 178845	.002	.214	.010	2900
E 178846	.001	.255	.012	2300
E 178847	.006	.033	.003	1000
E 178848	.005	.042	.003	3000
RE E 178848	.005	.041	.003	-
RRE E 178848	.005	.038	.003	-
E 178849	.001	.149	.010	1700
E 178850	.003	.204	.011	2600
E 178851	.002	.174	.010	2800
E 178852	.002	.123	.007	3000
STANDARD R-2	.559	.364	.044	-

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ___

ASSAY CERTIFICATE

1060 - 1090 W. Georgia St, Vancouver BC V6E 3V7 Submitted by: Tony Hitchins

SAMPLE#	Ni/S %	Ni/Ox %
C 150395	.097	.013
C 150405	.164	.010
C 150415	.155	.010
C 150425	.139	.011
C 150435	.193	.006
C 150445	.187	.009
C 150455	.167	.007
C 150465	.141	.021
C 150475	.118	.021
E 178805	.161	.008
E 178815	.121	.012
E 178825	.147	.012
E 178835	.145	.009
E 178845	.091	.008
RE E 178845	.090	.008
STANDARD R-2	.324	.020

NI/S + NI/OXIDE : LEACHED WITH H2O2 + NH4 CITRATE. NI/OXIDE : LEACHED WITH NH4 CITRATE.
NI/S = (NI/S + NI/OXIDE) - NI/OXIDE.
- SAMPLE TYPE: P1 TO P5 CORE P
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

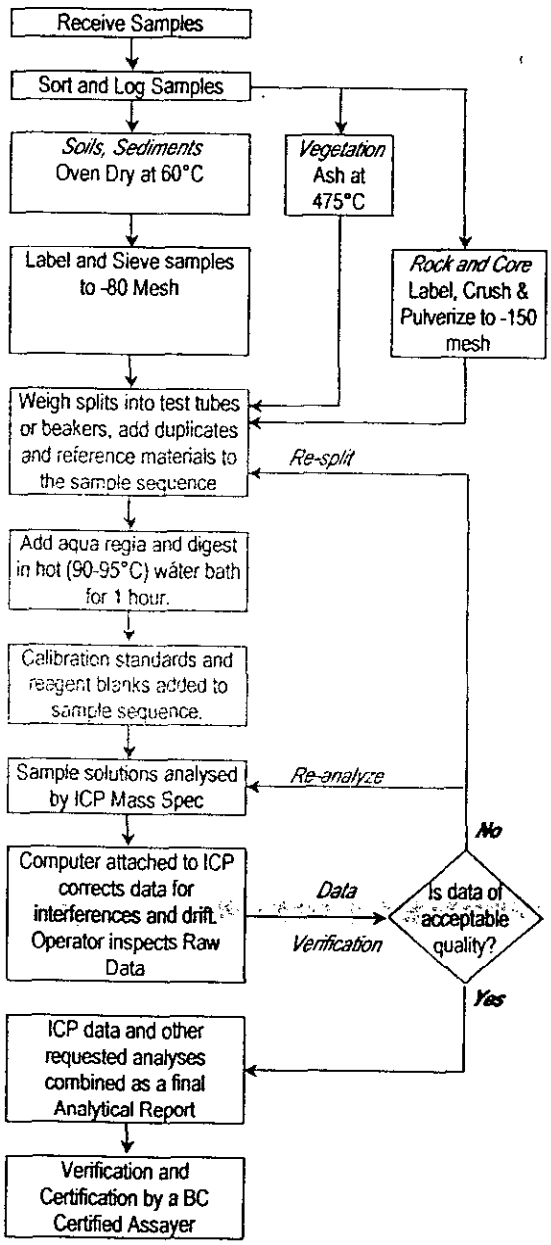
DATE RECEIVED: JUL 8 2003 **DATE REPORT MAILED:** July 24/03 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ___

ACME
ANALYTICAL LABORATORIES LTD.
852 East Hastings Street • Vancouver, British Columbia • CANADA • V6A 1R6
Telephone: (604) 253-3158 • Fax: (604) 253-1716 • Toll free: 1-800-990-ACME (2263) • e-mail: info@acmelab.com

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1F-MS – ULTRATRACE BY ICP-MS • AQUA REGIA

Analytical Process



Comments

Sample Collection

Samples may consist of soil, sediment, plant or rock. A minimum field sample weight of 200 gm is recommended.

Sample Preparation

Soil and sediment are dried (60°C) and sieved to -80 mesh (-177 µm). Vegetation is dried (60°C) and pulverized or ashed (475°C). Moss-mats are dried (60°C), pounded and sieved to yield -80 mesh sediment. Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g aliquot is riffle split and pulverized to 95% passing 150 mesh (100 µm) in a mild-steel ring-and-puck mill. Depending on the option package, aliquots of 1 to 30 g are weighed. QA/QC protocol includes inserting a pulp duplicate to measure analytical precision, a coarse (10 mesh) rejects duplicate to measure method precision (trench and drill core samples only) and an aliquot of in-house reference material STD DS3 to measure accuracy in each analytical batch of 34 samples.

Sample Digestion

A 6 mL/g aliquot of Aqua Regia (2:2:2 ACS grade HCl, ACS grade HNO_3, demineralised H_2O) is added to each sample. Samples are digested for one hour in a hot water bath (90-95°C) then diluted (20:1 mL/g final ratio). QA/QC protocol requires simultaneous digestion of two regent blanks randomly inserted in each batch.

Sample Analysis

Analysis is by an Elan 6000 ICP Mass Spec for the determination of 37 elements comprising: Au, Ag, Al, As, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Hg, Ga, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Se, Sr, Te, Th, Ti, Tl, U, V, W and Zn. Extended element packages containing incompatible elements (Hf, Nb, etc.), REEs and PGEs are available. Larger samples (15 to 30 g) are recommended for precise analysis of elements subject to the nugget effect (eg. Au).

Data Evaluation

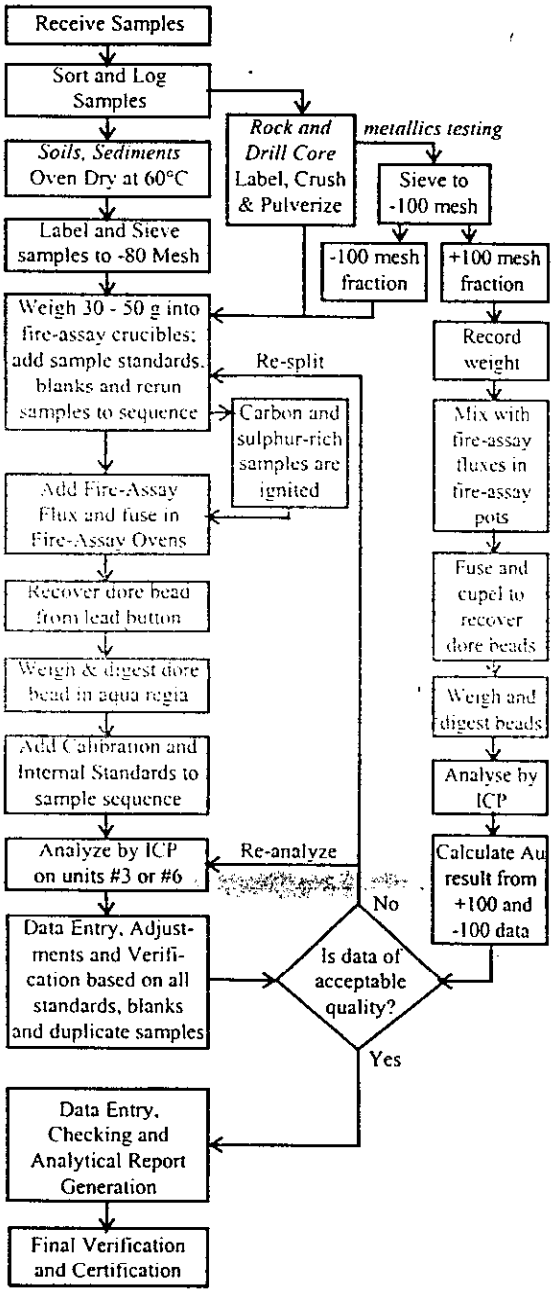
Raw data are reviewed by the instrument operator and by the laboratory information management system. The data is subsequently reviewed and adjusted by the Data Verification Technician. Finally all documents and data undergo a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

ACME
Analytical Laboratories Ltd.

852 East Hastings Street, Vancouver, British Columbia, Canada V6A 1R6
Telephone: (604) 253-3158 · Facsimile: (604) 253-1716 · Toll free: 1-800-990-ACME (2263) · e-mail: acme_labs@mindlink.bc.ca

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 3B - PRECIOUS METALS BY FIRE GEOCHEM

Analytical Process



Comments

Sample Preparation

Soils and sediments are dried (60°C) and sieved to -80 mesh (-177 microns). Rocks and drill core are crushed and pulverized to -100 mesh (-150 microns). Splits of 30g or 50g (client's choice) are weighed from the pulverized fraction. Each analytical batch (34 samples) has a duplicate pair from a randomly selected sample to monitor precision. Reference materials (in-house control standards) Au-S, Au-R, Au-1 or FA-100S are added to each batch to monitor accuracy.

Sample Digestion

Fusing at 1000°C for 1 hour with fire-assay fluxes containing a PbO litharge and Ag inquart liberates all Au, Pt and Pd. After cooling, lead buttons are recovered and cupelled at 950°C to render Ag ±Au ±Pt ±Pd dore beads. Beads are weighed then leached in 1 mL of conc. HNO_3 at >95°C to dissolve Ag leaving Au sponges. Large sponges are weighed, otherwise conc. HCl is added to dissolve the sponges.

Sample Analysis

Au, Pt and Pd are analysed in sample solutions by ICP-AES (Jarrel Ash AtomComp model 800 or 975). Rh can be determined by using a Au inquart during fusion. Metallics testing reports Au in the fine and coarse fractions and a calculated weighted average.

Data Evaluation

Data is inspected by the Fire Assay Supervisor then undergoes final verification by a British Columbia Certified Assayer who signs the Analytical Report before release to the client. Chief Assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

Document: meth3B.doc	Date: January 31, 1997	Prepared By: J. Gravel

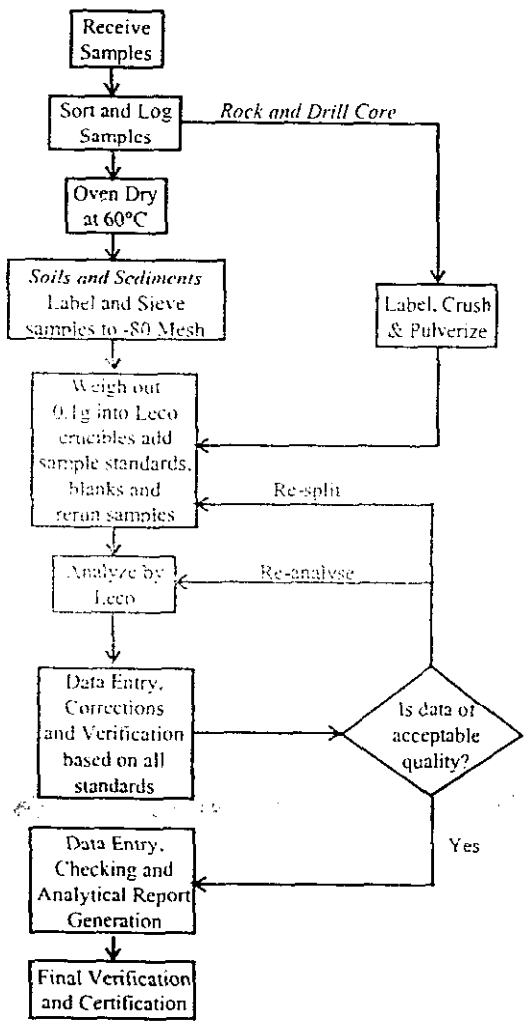
ACME
Analytical Laboratories Ltd.

852 East Hastings Street, Vancouver, British Columbia, Canada V6A 1R6
Telephone: (604) 253-3158 · Facsimile: (604) 253-1716 · Toll free: 1-800-990-ACME (2263) · e-mail: acme_labs@mindlink.bc.ca

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE

GROUP 2A: TOTAL SULPHUR

Analytical Process



Comments

Sample Preparation

Soils and sediments are dried (60°C) and sieved to -80 mesh ASTM (-177 microns), rocks and drill core are crushed and pulverized to -100 mesh ASTM (-150 microns). Moss-mat samples are dried (60°C), macerated then sieved to recover -80 mesh sediment or ashed at 550°C (upon a client's request). Sample splits (0.1 g) are placed in Leco crucibles. Duplicate splits of crushed (rejects duplicate) and pulverized (pulps duplicate) fractions are included with every 34 drill core or trench samples to define sample homogeneity (reject duplicate) and analytical precision (pulp duplicate). Duplicate pulp splits (only) are included in every batch of soil, sediment and routine rock samples. A blank and in-house standard material STD CSA are carried through weighing, ignition and analytical stages to monitor accuracy.

Sample Analysis

Samples are analyzed in a Leco C244 Carbon-Sulphur analyser. The sulphur determined is total and attributed to the presence of sulphur in all forms.

Data Evaluation

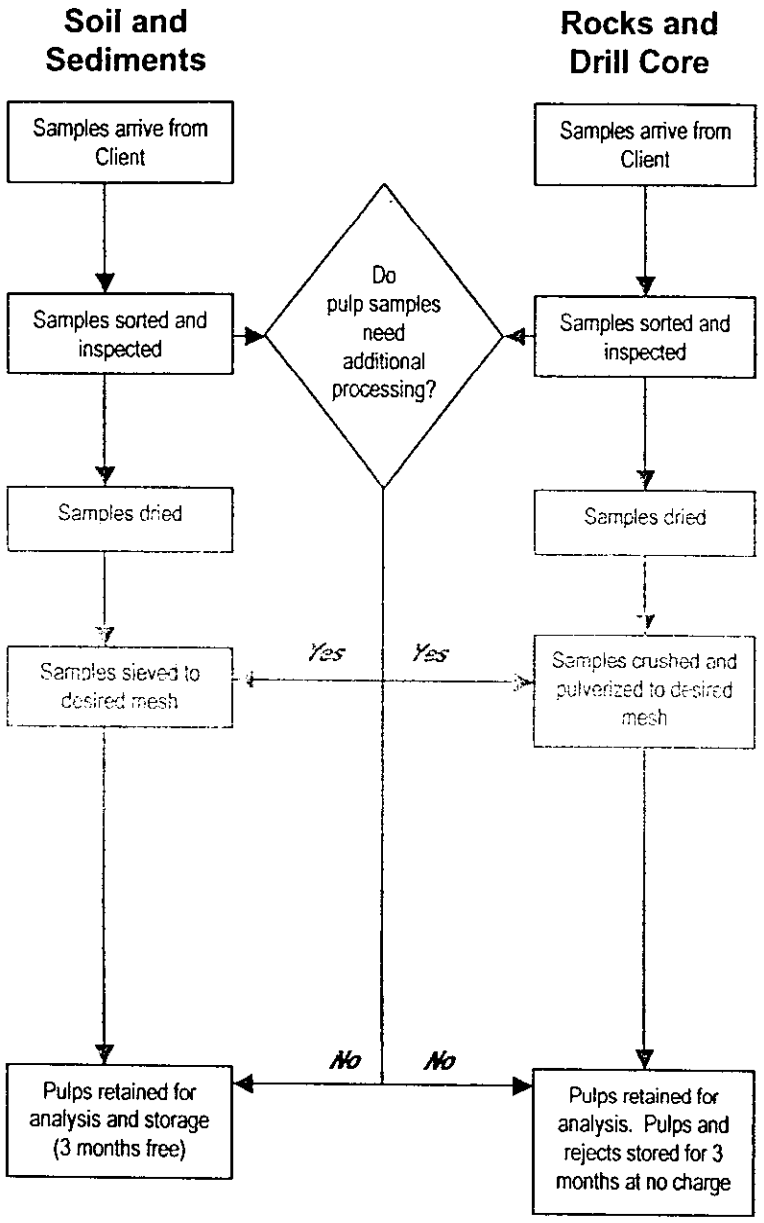
Raw and final data from the Leco Carbon-Sulphur analyser undergoes a final verification by a British Columbia Certified Assayer who must sign the analytical report before release to the client. Chief assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

Document: MethTotS.doc	Date: March 6, 1996	Prepared by: J. Gravel

ACME
ANALYTICAL LABORATORIES LTD.

852 East Hastings Street • Vancouver, British Columbia • CANADA • V6A 1R6
Telephone: (604) 253-3158 • Fax: (604) 253-1716 • Toll free: 1-800-990-ACME (2263) • e-mail: info@acmelab.com

General Sample Preparation Methods



Comments

Receiving: Samples arrive via courier, post or by client drop-off; shipment inspected for completeness.

Sorting and Inspection: Samples sorted and inspected for quality of use (quantity and condition). Rock and Drill Core samples inspected for mineralisation (colour and % sulphides, metal oxides or carbonates). Pulp samples inspected for homogeneity and fineness. Coarse pulps are screened or pulverized after getting client's approval.

Drying: Wet or damp samples are dried at 60°C (40°C if specified by the client).

Sieving: Soil and sediment sieved to -80 mesh ASTM (-177 microns) unless client specifies otherwise. Sieve cleaned by brush and compressed air between samples. Reference material G-1 (pulp made of granite blank) is carried as first sample in sequence (sieve›weigh›digest›analyse) to monitor background noise.

Crushing and Pulverizing: Rock and Drill Core crushed to 70% passing 10 mesh (2 mm), homogenized, riffle split (250 g subsample) and pulverized to 95% passing 150 mesh (100 microns). Crusher and pulverizer cleaned by brush and compressed air between routine samples. Silica wash scours equipment after high-grade samples, between changes in rock colour and at end of each file. Silica is crushed and pulverized as first sample in sequence and carried through to analysis to monitor background noise.

Compositing: Equal weights of crushed, pulverized or sieved material from 2 or more samples are combined and pulverized for 60+ seconds to produce a homogeneous mixture.

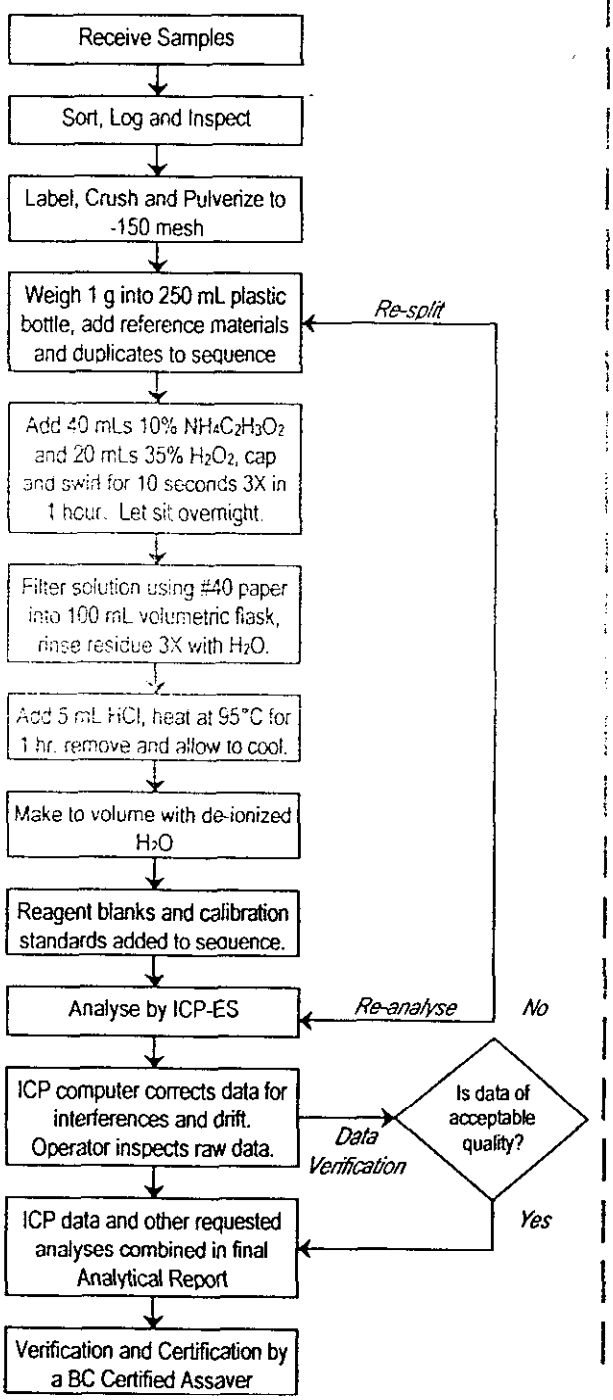
Storage: Pulp samples (up to 100g for soils or sediments and up to 250 g for rock and drill core) are archived for 3 months at no cost. Soil and sediment rejects are discarded immediately. Rock and drill core rejects are stored for 3 months at no charge. Client may request additional storage, return or disposal of pulps and rejects after initial free-storage period.

ACME
ANALYTICAL LABORATORIES LTD.

852 East Hastings Street • Vancouver, British Columbia • CANADA • V6A 1R6
Telephone: (604) 253-3158 • Fax: (604) 253-1716 • Toll free: 1-800-990-ACME (2263) • e-mail: info@acmelab.com

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 8 – NI-SULPHIDE ASSAY BY ICP-ES

Analytical Process



Comments

Sample Preparation

Assaying is warranted for representative well-mineralized samples (eg. Ni > 0.5%). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g aliquot is riffle split and pulverized to 95% passing 150 mesh (100 µm) in a mild-steel ring-and-puck mill. Aliquots of 1.000 ± 0.002 g are weighed into 250 mL plastic bottles. Acme's QA/QC protocol requires two pulp duplicates to monitor analytical precision and aliquots of certified reference material UM-2 or UM-4 and/or in-house reference material NC-1 to monitor accuracy in each batch of 34 samples. Drill core programs will include a pulp from a 2nd crushed fraction split (rejects duplicate) to measure method precision.

Sample Digestion

Samples are cold leached with a mixture of 40 mLs of 10% ammonium acetate and 20 mLs of 35% hydrogen peroxide that is agitated for 10 seconds three times within the first hour then let to stand overnight. Solutions are filtered into a 100 mL volumetric flask and the residue is rinsed 3X with de-ionized water. Solutions are heated in hot water bath (95°C) for 1 hour then allowed to cool. Solutions are made up to volume (100 mL) with de-ionized water. Acme's QA/QC protocol requires simultaneous digestion of two reagent blanks inserted in each batch.

Sample Analysis

Sample solutions are aspirated into a Jarrel Ash Atomcomp model 800 or 975 ICP emission spectrograph to determine Ni.

Calculation

This leach extracts both Ni sulphide and Ni oxide (Ni_{S+O}). A Ni-Oxide (Ni_O) leach must be conducted then used to back calculate for Ni sulphide (Ni_S) content using the following equation: $Ni_S = Ni_{S+O} - Ni_O$

Data Evaluation

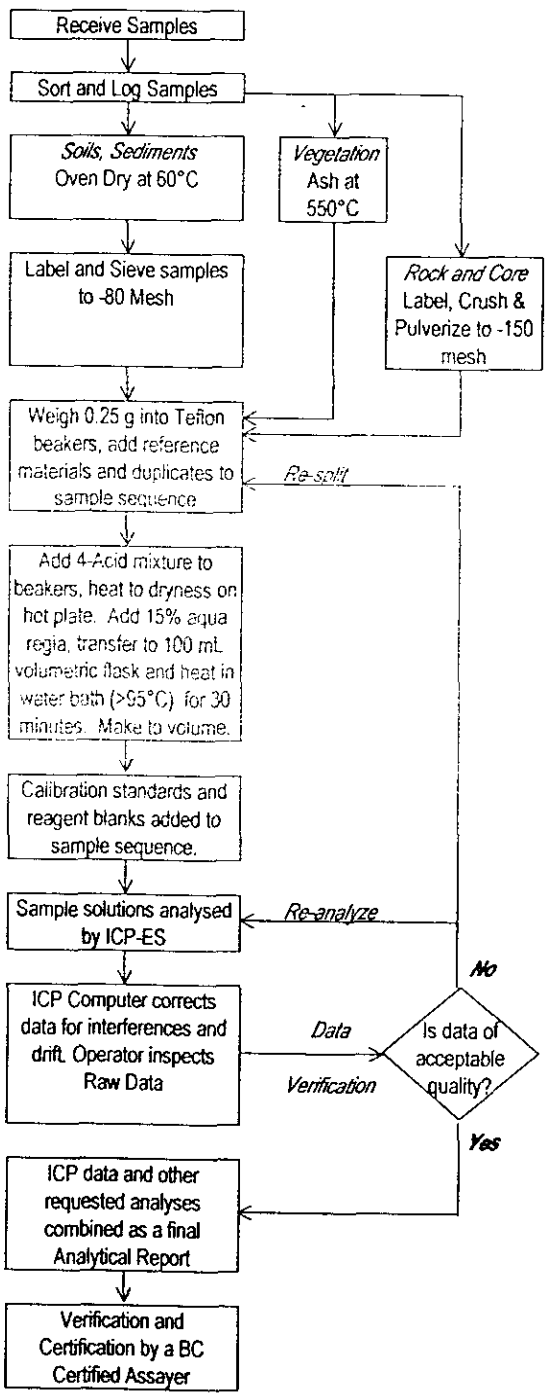
Raw and final data from the ICP-ES undergoes a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

ACME
ANALYTICAL LABORATORIES LTD.

852 East Hastings Street • Vancouver, British Columbia • CANADA • V6A 1R6
Telephone: (604) 253-3158 • Fax: (604) 253-1716 • Toll free: 1-800-990-ACME (2263) • e-mail: info@acmelab.com

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 7TD – MULTI-ELEMENT ASSAY BY ICP-ES • TOTAL DIGESTION

Analytical Process



Comments

Sample Preparation

Assaying is warranted for representative well-mineralized samples (eg. Cu > 1%). Samples are dried at 60°C. Soil, sediment and moss mats (after pounding) are sieved to -80 mesh (-177 µm). Vegetation is dried (60°C) and pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g aliquot is riffle split and pulverized to 95% passing 150 mesh (100 µm) in a mild-steel ring-and-puck mill. Aliquots of 0.250 ± 0.002 g are weighed into Teflon beakers. Acme's QA/QC protocol requires two pulp duplicates to monitor analytical precision and an aliquot of in-house reference material STD R-1 to monitor accuracy in each batch of 34 samples. Trench and drill core programs will also include a pulp made from a 2nd crushed fraction split (rejects duplicate) to measure method precision.

Sample Digestion

A 18:10:3:6 mixture of H_2O-HF-$HClO_4$-HNO_3 (ACS grade) is added, the sample is heated to fuming on a hot plate and taken to dryness. The residue is taken up in dilute (15%) aqua regia (HCl:HNO_3:H_2O), transferred to a 100 mL volumetric flask and heated for 30 minutes in a boiling water (>95°C) bath. After cooling for 3 hrs, solutions are made up to volume (100 mL) with dilute (5%) HCl. Very high-grade samples may require a 1 g to 250 mL or 0.25 g to 250 mL sample/solution ratio for accurate determination. Acme's QA/QC protocol requires simultaneous digestion of two regent blanks inserted in each batch.

Sample Analysis

Sample solutions are aspirated into a Jarrel Ash Atomcomp model 800 or 975 ICP emission spectrograph to determine 21 elements: Ag, Al, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, W, Zn.

Data Evaluation

Raw and final data from the ICP-ES undergoes a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

APPENDIX D

COST STATEMENT

Costs to drill and analyze core for holes 03-02, 03-08, and 03-09.

Hole 03-02		
Drilling, waterlines, and travel time	$62,058.00	
Core boxes	770.00	
GST	4,397.89	$67,224.89
Analyses of 151 core samples @ $42.95 per sample	$6,485.45	
GST	453.98	
		6,939.43
Hole 03-08		
Drilling, moves, tests, and casing left in hole	$51,010.08	
Core boxes	682.00	
GST	3,618.45	$55,310.53
Analyses of 263 core samples @ $37.32 per sample	$9,815.16	
GST	687.06	$10,502.22
Hole 03-09		
Drilling, moves, tests	$25,993.00	
Core boxes	352.00	
GST	1,844.15	$28,189.15
Analyses of 138 core samples @ $38.03 per sample	$5246.76	
GST	367.27	$5,614.03
Mobilize personnel and fly samples to Dease Lake		$4,964.75
Total		$178,745.00