ASSESSMENT REPORT

2003 CORE DRILLING REPORT

ON THE

RIM PROPERTY, DOT COM PROJECT

CARIBOO MINING DIVISION
HORSEFLY, BRITISH COLUMBIA

NTS 093A/033

52° 20' NORTH LATITUDE
121° 30' WEST LONGITUDE

PREPARED FOR

PHELPS DODGE CORPORATION OF CANADA, LIMITED
SUITE 1409, 409 GRANVILLE STREET
VANCOUVER, BRITISH COLUMBIA, V6C 1T8

BY

CREST GEOLOGICAL CONSULTANTS LTD.
2197 PARK CRESCENT
COQUITLAM, B.C. V3J 6T1

MARCH 17, 2003

Craig W. Payne, M.Sc., P.Geo.

2197 Park Crescent, Coquitlam, B.C. V3J 6T1 Telephone: 604-469-2642 Fax: 604-469-2644

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

SUMMARY AND CONCLUSIONS

The Rim property is located some 500km north of Vancouver and 60km east of Williams Lake in south-central British Columbia. The property is situated within rolling hills dotted with small lakes/ponds and marshy areas.

The property was originally staked in 1999 (Dot Com Claims) and completed with the Rim claims in 2001.The 2000ha property consists of 52 two post claims which were over-staked in 2002 by four 4 post claims (PD-1 to 4, 80 units) to cover fractions in the underlying 2 post claims.

Phelps Dodge, Canada was introduced to the property in early 2002 by Herb Wahl, Gibsons, B.C. and Jack and Jim Brown-John, Williams Lake, B.C., owners of the property. In late 2002 a Joint Venture Agreement was signed between the owners of the property and Phelps Dodge, Canada.

The property is located within the Quesnel Terrane, an allochthonous, northwest trending belt of Triassic to Jurassic basic to intermediate arc volcanic rocks with thick interdigitated, discontinuous sequences of pyroclastic rocks and clastic sediments all of which lie along the eastern margin of the Intermontane Belt. Undersaturated stocks, sills and dykes exposed throughout the volcanic pile are believed to have fed the coeval volcanics. The alkalic stocks host several porphyry style deposits such as Copper Mountain (345mt of 0.43% Cu, 0.13gpt Au), Afton (22.1mt of 0.9% Cu, 0.67gpt Au), and Mount Polley (48.8mt of 0.39% Cu, 0.56gpt Au) (CIM, Vol. 46, 1995).

The western part of the Rim property is underlain by pyroxene-olivine phyric basalt flows, thick sequences of volcanic breccia and minor tuffaceous rock. The central part of the property is underlain by thick sequences of polylithic volcanic breccia, analcite basalt, pyroxene phyric basalt, tuffaceous rock and minor clastic sediments. A sinuous trough of polylithic felsic breccia containing fragments of underlying volcanics and minor felsic intrusive fragments caps this sequence. The eastern side of the property is underlain by basic volcanic flows, breccias and tuffaceous rocks. These units appear to strike northwest and dip moderately to the east and northeast. Copper and silver (+/- lead and zinc) mineralization has been discovered throughout the property. Mineralization at the Boulder Showing (south-central area of property) consists of disseminated and stringers of bornite locally rimmed with chalcocite and covellite. Malachite and minor azurite occurs along fractures and locally dispersed in voids throughout the rock. Very fine grained (dusting) of galena also occurs within the rock and minor disseminated native copper. Host to the mineralization is greenish-grey to black, fine to medium grained plagioclase-pyroxene phyric basalt fragments within a +200m thick polylithic felsic breccia unit. These fragments contain up to 5% Cu, 1% Pb and 5opt Ag.

In the north-central part of the property at the Bird Drop Showing, mineralization consists of disseminated fine grained bornite with abundant malachite along fracture surfaces. Host rock is a 'crowded' amygdaloidal basalt with the amygdules infilled with analcite. Sampling of the mineralized material contains up to 1.141% Cu and 1.3gpt Ag. Further to the southeast, some 500m (FR-2 area) the owners of the property initiated a trenching/test pit program in 2001 and early 2002. Results of the program uncovered mineralized pyroxene phyric basalt, syenite? and tuffaceous fragments within a polylithic felsic breccia unit. Mineralized fragments contain up to 5.26% Cu and 5.2gpt Ag. Further to the south in the FR-1 area mineralized tuffaceous rock contains up to 1.568% Cu and 4.7gpt Ag. Other copper mineralized areas are scattered throughout the property and have not been investigated.

Drilling concentrated around the two main showing areas on the property. Four holes were drilled from existing roads to test the Bird Drop Showing and along strike to the southeast. Results

indicate that the Bird Drop Showing (holes RP02-03 and 04) does not contain copper grades over significant widths indicative of 'ore' grade material. Drilling to the southeast cut highly anomalous copper values (RP02-02; 4m of 0.103% Cu) within a pyroxene phyric basalt flow unit. These values are in close agreement with material encountered during trenching by the owners which returned up to 0.156% Cu, indicating down dip continuity of the mineralization. To the southeast (150m) of this intersection, trenching in 2001 by the owners of the property unearthed bedrock/subcrop material (syenite-pyroxene phyric basalt?) containing up to 5.26% Cu and 5.2gpt Ag. This material does contain significant copper grades and moderately high silver values suggesting that the grade of the material increases along strike? to the southeast.

To the south, the Boulder Showing area contains 'ore' grade (5% Cu) fragments within a +200m thick polylithic felsic breccia unit. Results of drilling (one hole, RP02-05) indicates that the breccia unit does not contain a significant amount of 'concentrated' mineralized material to be of 'ore' grade. Near the top of the hole, extending from 22.00m to 46.00m (24m) is a weakly anomalous interval containing an average of 201.38ppm Cu, 149.48ppm Pb, 419.50ppm Zn and 1.15ppm Ag. Within this zone are 2m intervals containing Cu up to 584.2ppm, Pb 483.7ppm, Zn 873ppm and Ag 6.9ppm. However the mineralized fragments are of 'ore' grade and therefore the source of the fragments remains untested. Source of the mineralized fragments ie. older rocks is postulated to be further to the west. Drill holes RP03-06 and 07 were drilled some 600m east of the Boulder Showing to test a chargeability (1.5-2.0 times background) anomaly flanked by weak to moderate resistivity highs. This geophysical target sits within and along the eastern margin of a magnetic low. Drill hole RP03-06 was designed to test the chargeability anomaly and the western flank of a moderate positive magnetic high. The hole encountered 29.09m of overburden and the remainder of the hole was within a fault zone. RP03-06 and RP03-07 intersected significant copper grades. The top 7.9m (6.5m true width) of RP03-06 contains a weighted average of 0.45% Cu and 21.15gpt Ag within a maroon, clay altered fault zone. The highly anomalous copper-silver grades (2m of 0.24% Cu and 2.0gpt Ag) cut in the top of RP03-07 could represent the western margin of the mineralization encountered in RP03-06.

Based on the encouraging results from the property to date, further drilling is required to test targets generated from the 2002-2003 exploration program.

INTRODUCTION

This report describes the results of core drilling for copper and silver mineralization on the Rim Property, B.C. under Joint Venture Agreement with Jack and Jim Brown-John, Williams Lake, B.C., Herb Wahl, Gibsons, B.C. and Phelps Dodge, Canada.

LOCATION AND ACCESS

The Rim property is located at 52° 20' N latitude and 121° 30' W longitude, on NTS map sheet 093A 033 in central British Columbia, approximately 60 kilometres east of Williams Lake, B.C. Figure 1.

The mineral claims are centred west of the junction of Beaver Valley road and the highway to Horsefly, some 8 kilometres west of the town of Horsefly. The claims can be accessed by well maintained logging roads from the Horsefly highway and from the Beaver Valley road.

The claims are in rolling hills with elevations ranging from 800m to over 950m above sea level. Much of the area has been logged (wood lots) in recent years and active logging and construction of new logging road access continues.

CLIMATE

Climate in the region of the Rim property is typical of the eastern Cariboo Plateau with warm summers and cool winters. Annual precipitation is approximately 80cm. Snow pack can reach 120cm and remains on south slopes until April or May and on north slopes until June. Temperatures range from an average of –15°C in winter to 20°C in summer.

FLORA

The Rim property area is in an active logging region. Stands of pine interspersed with fir are common on the property with scrubby stands of hardwood. Small marshy ponds dot the landscape.

NATIVE LAND CLAIMS

Almost all of British Columbia lands are subject to treaty negotiations with the Status Indians. The Rim property falls within the large "Cariboo" treaty area extending from Clinton in the south, Quesnel in the north, Fraser River in the west and the North Thompson River in the east.

CLAIMS AND OWNERSHIP

A total of 56 claims, 132 units (2000ha) are under option by Phelps Dodge Corporation of Canada, Limited (Figure 2). The Rim-1 to Rim-50, EX-1 to EX-6, DOT COM-7 to DOT COM-10 are under option from Jack and Jim Brown-John of Williams Lake, B.C and Herb Wahl of Gibsons, B.C. Phelps Dodge is operator on the claims. All claims are located in the Cariboo Mining Division on map sheet 93A/033.

Table 1 lists the current status of the optioned claims.

TABLE 1: SUMMARY OF MINERAL CLAIMS DATA

CLAIM NAME	TENURE NO.	UNITS	EXPIRY DATE	NOTES
DOT COM-7	369709	1	November 15, 2007*	Herb Wahl(66.667%); Rudolph Riepe(33.333%)
DOT COM-8	369710	1	November 15, 2007*	Herb Wahl(66.667%); Rudolph Riepe(33.333%)
DOT COM-9	369711	1	November 15, 2007*	Herb Wahl(66.667%); Rudolph Riepe(33.333%)

CLAIM NAME	TENURE NO.	UNITS	EXPIRY DATE	NOTES
DOT COM-10	369712	1	November 15, 2007*	Herb Wahl(66.667%); Rudolph Riepe(33.333%)
EX-1	392804	1	November 15, 2007*	Herb Wahl(100%)
EX-2	392805	1	November 15, 2007	Herb Wahl(100%)
EX-3	392806	1	November 15, 2007*	Herb Wahl(100%)
EX-4	392807	1	November 15, 2007*	Herb Wahl(100%)
EX-5	392808	1	November 15, 2007*	Herb Wahl(100%)
EX-6	392809	1	November 15, 2007*	Herb Wahl(100%)
RIM-1	377037	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-2	377038	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-3	377039	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-4	377040	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-5	377041	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-6	377042	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-7	377043	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-8	377044	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-9	377045	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-10	377046	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-11	377047	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-12	377048	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-13	377049	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-14	377050	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-15	377051	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-16	377052	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-17	377053	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-18	377073	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-19	377074	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-20	377075	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-21	377076	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-22	377077	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-23	377078	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-24	377079	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-25	377080	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-26	377081	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-27	377082	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-28	377083	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-29	377084	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-30	377085	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-39	377088	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-40	377089	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-41	377090	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
RIM-42	377091	1	November 15, 2007*	Herb Wahl(50%); Jack Brown-John(50%)
PD-1	398510	20	November 15, 2007*	Phelps Dodge(100%)
PD-2	398511	20	November 15, 2007*	Phelps Dodge(100%)

CLAIM NAME	TENURE NO.	UNITS	EXPIRY DATE	NOTES
PD-3	398512	20	November 15, 2007*	Phelps Dodge(100%)
PD-4	398513	20	November 15, 2007*	Phelps Dodge(100%)
	TOTAL NO. UNITS	132		

* Subject to approval of assessment work.

REGIONAL GEOLOGY

The Rim property lies within the Quesnel Terrane, an allochthonous belt of predominantly Upper Triassic to Lower Jurassic basic to intermediate volcanic rocks, including thick laterally discontinuous sequences of pyroclastic and clastic sediments that lie along the eastern margin of the Intermontane Belt (Figure 3).

Deformation of the Quesnel Terrane initiated during accretion of the arc rocks against the Omineca Belt. Subsequent deformational events and regional low grade metamorphism followed crustal thickening through the central part of the belt. Later extensional block faulting has dissected the area into north to northwesterly orientated grabens. During arc evolution the area experienced an intrusive episode (Late Triassic-Early Jurassic) of undersaturated alkalic stocks, domes, dykes, sills and intrusive breccias possibly feeders to the coeval volcanic rocks. Subsequent calcalkaline (saturated) stocks of granodiorite and quartz monzonite intruded the volcanic sequence during the Cretaceous time. Locally the central and western parts of the Quesnel Terrane are covered by epiclastic sediments followed by Tertiary plateau basalts, pyroclastic and minor sedimentary rocks.

The area is now extensively covered by glacial till, moraines and locally thick accumulations of fluvioglacial deposits and colluvium. Outcrop exposure throughout the area is <1%.

EXPLORATION HISTORY

Recorded exploration in the area of the Rim property is sketchy with little or no recorded exploration work. However, during the 1970s and 1980s Hudson's Bay Oil and Gas carried out some regional exploration work centred around the Lemon Lake area. A regional geology map was produced by Hudson's Bay Oil and Gas. Three holes were also drilled in the Gravel Creek valley along the western side of the property. The holes are rumoured to have intersected extensive lengths of disseminated native copper infilling fractures and amygdules.

During mid 1999 Herb Wahl and Jack Brown-John staked the Dot Com claims and later the Rim claims. Staking took place to cover copper mineralization discovered in an outcrop of analcite basalt. Subsequent work carried out by the two included prospecting, a wide spaced enzyme leach soil survey and conventional soil sampling followed by test pitting and trenching. Results of their work discovered extensive areas containing highly anomalous copper and silver values in both bedrock and float samples. In late 2002 Phelps Dodge signed a Joint Venture Agreement on the property with the owners.

2002-2003 EXPLORATION PROGRAM

During the latter part of 2002 and early 2003 core drilling concentrated on further development of the Bird Drop Showing and Boulder Showing areas. Seven core holes were drilled (ranging in depth from 45.11m to 252.37m) for a total of 1009.7m. A total of 458 core samples were collected at 2m intervals throughout all drill holes. Total cost of the drilling program was $134,133.09.

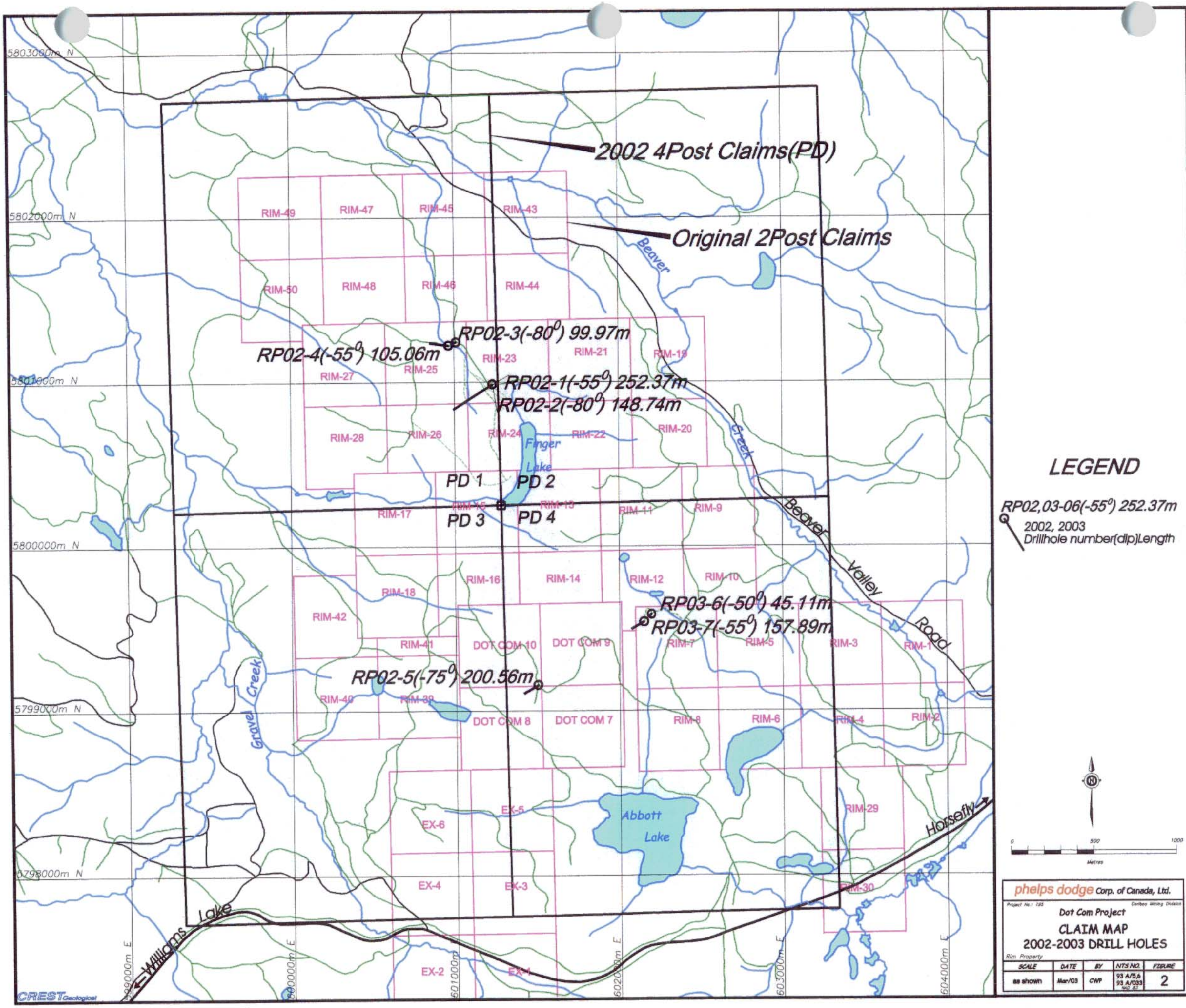
phelps dodge Corp. of Canada, Ltd.

Rim Property, DOT COM PROJECT

LOCATION MAP

CREST Geological

Figure 1


2002 4Post Claims(PD)
Original 2Post Claims
RP02-3(-80⁰) 99.97m
RP02-4(-55⁰) 105.06m
RP02-1(-55⁰) 252.37m
RP02-2(-80⁰) 148.74m
RP03-6(-50⁰) 45.11m
RP03-7(-55⁰) 157.89m
RP02-5(-75⁰) 200.56m
PD 1
PD 2
PD 3
PD 4
Finger Lake
Abbott Lake
Beaver Creek
Beaver Valley Road
Gravel Creek
Williams Lake
Horsefly
5803000m N
5802000m N
5801000m N
5800000m N
5799000m N
5798000m N
599000m E
600000m E
601000m E
602000m E
603000m E
604000m E
LEGEND
RP02,03-06(-55⁰) 252.37m
2002, 2003
Drillhole number(dip)Length
Metres
phelps dodge Corp. of Canada, Ltd.
Dot Com Project
CLAIM MAP
2002-2003 DRILL HOLES
Rim Property
SCALE
as shown
DATE
Mar/03
BY
CWP
FIGURE
2
CREST Geological

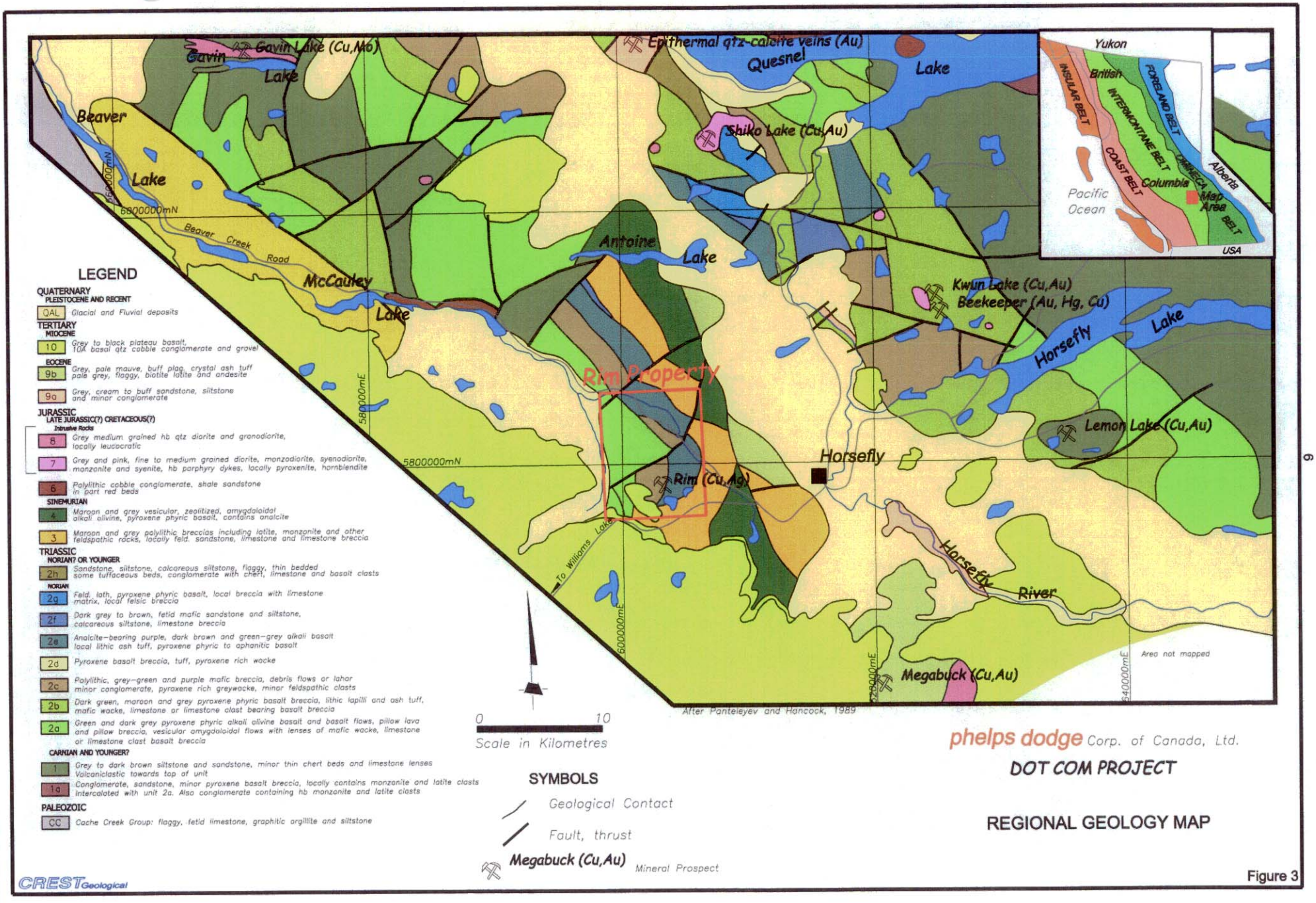

Gavin Lake (Cu,Mo)
Epithermal qtz-calcite veins (Au)
Quesnel
Lake
Shiko Lake (Cu,Au)
Beaver
Lake
6900000mN
Beaver Creek Road
Antoine
Lake
McCauley
Lake
Kwun Lake (Cu,Au)
Beekeeper (Au, Hg, Cu)
Horsefly
Lake
Rim Property
Lemon Lake (Cu,Au)
Horsefly
5800000mN
Rim (Cu,Ag)
To Williams Lake
Horsefly River
Megabuck (Cu,Au)
Area not mapped
580000mE
600000mE
620000mE
640000mE
Yukon
British
INSULAR BELT
INTERMONTANE BELT
FORELAND BELT
COAST BELT
OMINECA
Columbia
Alberta
BELT
Pacific Ocean
Map Area
USA
LEGEND
QUATERNARY
PLEISTOCENE AND RECENT
QAL Glacial and Fluvial deposits
TERTIARY
MIOCENE
10 Grey to black plateau basalt, 10A basal qtz cobble conglomerate and gravel
EOCENE
9b Grey, pale mauve, buff plag. crystal ash tuff pale grey, flaggy, biotite latite and andesite
9a Grey, cream to buff sandstone, siltstone and minor conglomerate
JURASSIC
LATE JURASSIC(?) CRETACEOUS(?)
Intrusive Rocks
8 Grey medium grained hb qtz diorite and granodiorite, locally leucocratic
7 Grey and pink, fine to medium grained diorite, monzodiorite, syenodiorite, monzonite and syenite, hb porphyry dykes, locally pyroxenite, hornblendite
6 Polylithic cobble conglomerate, shale sandstone in part red beds
SINEMURIAN
4 Maroon and grey vesicular, zeolitized, amygdaloidal alkali olivine, pyroxene phyric basalt, contains analcite
3 Maroon and grey polylithic breccias including latite, monzonite and other feldspathic rocks, locally feld. sandstone, limestone and limestone breccia
TRIASSIC
NORIAN? OR YOUNGER
2h Sandstone, siltstone, calcareous siltstone, flaggy, thin bedded some tuffaceous beds, conglomerate with chert, limestone and basalt clasts
NORIAN
2g Feld. lath, pyroxene phyric basalt, local breccia with limestone matrix, local felsic breccia
2f Dark grey to brown, fetid mafic sandstone and siltstone, calcareous siltstone, limestone breccia
2e Analcite-bearing purple, dark brown and green-grey alkali basalt local lithic ash tuff, pyroxene phyric to aphanitic basalt
2d Pyroxene basalt breccia, tuff, pyroxene rich wacke
2c Polylithic, grey-green and purple mafic breccia, debris flows or lahar minor conglomerate, pyroxene rich greywacke, minor feldspathic clasts
2b Dark green, maroon and grey pyroxene phyric basalt breccia, lithic lapilli and ash tuff, mafic wacke, limestone or limestone clast bearing basalt breccia
2a Green and dark grey pyroxene phyric alkali olivine basalt and basalt flows, pillow lava and pillow breccia, vesicular amygdaloidal flows with lenses of mafic wacke, limestone or limestone clast basalt breccia
CARNIAN AND YOUNGER?
1 Grey to dark brown siltstone and sandstone, minor thin chert beds and limestone lenses Volcaniclastic towards top of unit
1a Conglomerate, sandstone, minor pyroxene basalt breccia, locally contains monzonite and latite clasts Intercalated with unit 2a. Also conglomerate containing hb monzonite and latite clasts
PALEOZOIC
CC Cache Creek Group: flaggy, fetid limestone, graphitic argillite and siltstone
0 10
Scale in Kilometres
SYMBOLS
Geological Contact
Fault, thrust
Megabuck (Cu,Au) Mineral Prospect
After Panteleyev and Hancock, 1989
phelps dodge Corp. of Canada, Ltd.
DOT COM PROJECT
REGIONAL GEOLOGY MAP
CREST Geological

Figure 3

PROPERTY GEOLOGY

Paucity (<<1%) of bedrock exposure on the property precludes a detailed discussion of the underlying lithologies. Only generalizations can be applied at this time based on limited prospecting, outcrop, drill results, ground magnetic data and previous geological interpretation by the owners of the property. This geological interpretation relies heavily on the 2002 ground magnetic survey. Minor outcrop indicates the rock sequence is striking northwesterly with a moderate (~40°) dip to the east or northeast.

Based on scattered boulder piles throughout the southwestern part of the grid area, west of Abbott Lake, suggests this area is underlain by intercalated pyroxene-olivine phyric basalt, pyroxene phyric basalt and polylithic volcanic breccia. These lithologies are overlain to the east by a dominantly pyroclastic package consisting of green-grey, matrix supported lapilli tuff, crystal lithic tuff with localized flows of plagioclase+/-pyroxene phyric basalt and minor analcite basalt. Minor angular boulders of orange-pink monzonite containing crowded feldspar phenocrysts with minor hornblende laths suggests dykes have intruded the volcanic sequence west of the Boulder Showing. These rocks are overlain (to the east) by a thin, dominantly volcanic package consisting of pyroxene phyric basalt, plagioclase phyric basalt, analcite basalt, fine grained basalt and associated polylithic, fragment supported volcanic breccia and minor maroon lapilli tuff (sandy matrix). Approaching, and at the Boulder Showing there is a thick sequence of polylithic felsic breccia and minor sandy matrix lapilli tuff, fine grained basalt and volcanic breccia.

The western area of the northern part of the grid is underlain by green-grey to maroon analcite basalt (up to 40m thick, host to Bird Drop Showing) with minor lapilli tuff and debris flow rocks. Analcite basalt is overlain by a thick sequence of thin pyroxene phyric basalt, analcite basalt flows and polylithic volcanic breccia and minor pyroclastic rocks. Polylithic felsic breccia caps this sequence of rocks and infills a trough? extending southeasterly through the east-central part of the grid area.

STRUCTURE

Ground magnetic data covering the central part of the property suggests a series of northeast trending faults with a left lateral displacement in the order of some 300m to the west and an implied dip to the northwest.

Sandstone horizons intersected in drilling show bedding offsets in the centimetre range. Drill hole RP02-03 cut several significant faults, one of which is 5.45m thick. Here, faulting is defined by broken and sheared core containing a grey/black sulphide rich gouge material. Locally throughout the core is brecciated rock material that is cemented with calcite. Drill hole RP03-06 was drilled to a depth of 45.11m (29.09m overburden) all of which was in fault gouge, sand lenses and minor highly fractured rock.

2002-2003 DRILL PROGRAM

INTRODUCTION

Drilling commenced on December 05, 2002 and finished on February 18, 2003. Seven core holes were drilled (ranging in depth from 45.11m to 252.37m) for a total of 1009.7m. Table 2 is a summary of the 2002 and 2003 drill holes and Figure 4 shows the drill hole locations and section lines. Collar locations and elevations are approximate using GPS coordinates (UTM, NAD83) and elevations derived from the TRIM maps. A total of 458 core samples were collected at 2m intervals throughout all drill holes. All core samples were submitted to Acme Analytical Laboratories Ltd., Vancouver for 35 element ICP analysis.

PROCEDURES

Drill collars were located using GPS and also hip chained along gridlines to confirm location. Drilling was conducted with two 12-hour shifts per day, with a Longyear 38 drill using NQ rods. Drill core was placed in marked boxes and transported to the logging/sampling facility located on Lemon Lake Road, east of Horsefly, B.C. The core is stored at 6198 Lemon Lake Rd, Horsefly, B.C.

TABLE 2: DRILL COLLAR SUMMARY SHEET (BY SECTION LINE)

DRILL HOLE NO.	UTM E	UTM N	ELEVATION (m)	CASING(m)	DEPTH(m)	AZ/DIP	SECTION LINE(NW)	REMARKS
RP02-01	601235	5800986	862	10.90	252.37	239/-55	1	Hole Completed
RP02-02	601235	5800986	862	10.90	148.74	239/-80	1	Hole Completed
RP02-03	601013	5801243	837	12.50	99.97	260/-80	2	Hole Completed
RP02-04	600968	5801222	833	4.19	105.06	280/-55	2	Hole Completed
RP02-05	601502	5799157	952	6.60	200.56	240/-75	3	Hole Completed
RP03-06	602192	5799586	878	29.09	45.11	238/-50	4	Hole Abandoned
RP03-07	602146	5799539	882	4.62	157.89	240/-55	4	Hole Completed
				TOTAL	1009.70m			

The drill core was "re-assembled" (best fit), marked off at one metre intervals, RQD measurements (block to block) along with a photograph (2 or 3 boxes at a time) of the core. The core was then logged in the round. After logging, the core was split in half longitudinally in 2m or less intervals using a diamond saw. Half the core was bagged (given a unique sample number) and sent for analysis.

Drill logs, RQD data sheets, sample no.-core length-geochemical data sheets and geochemical certificates are presented in Appendix I.

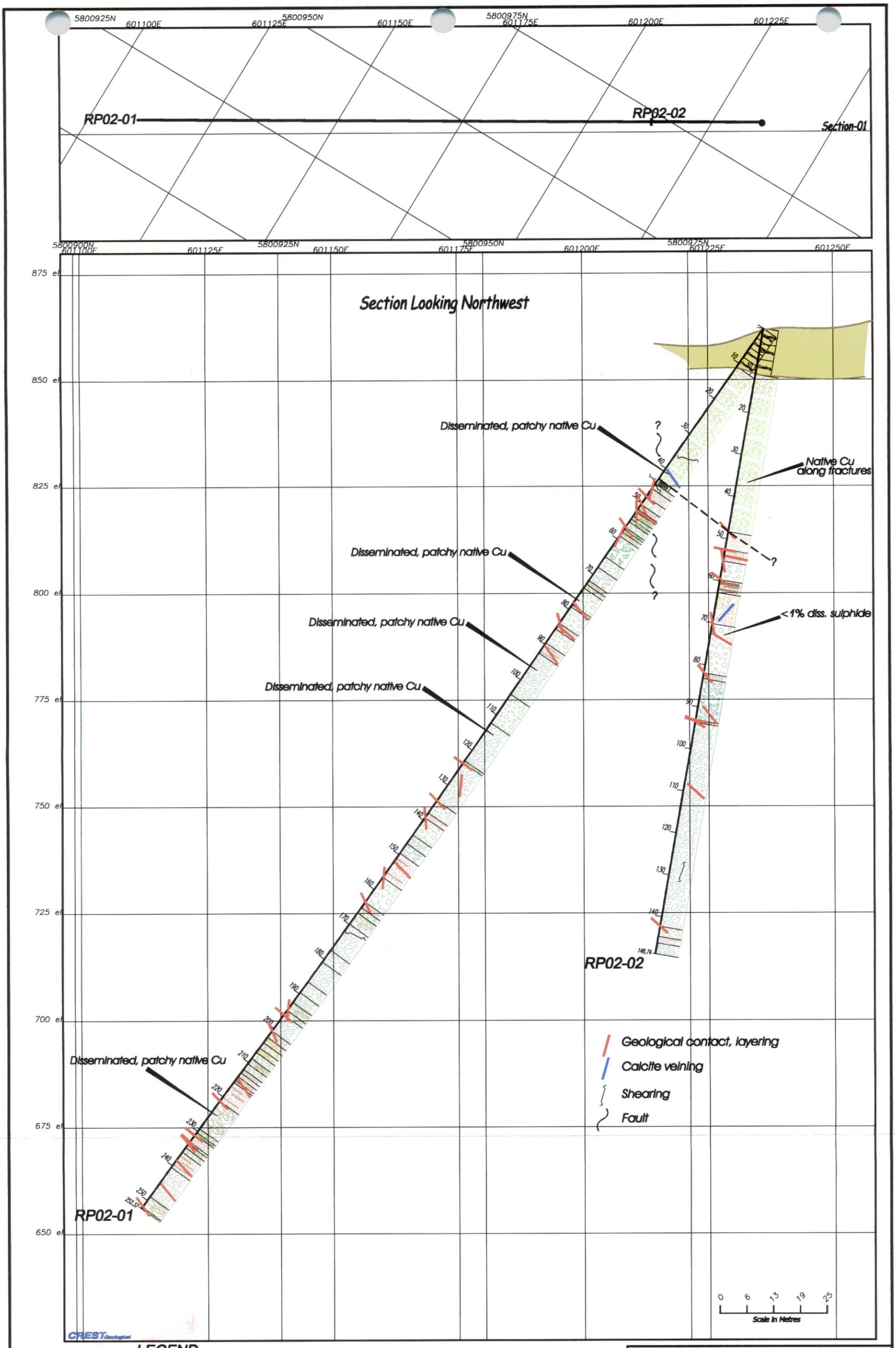
BIRD DROP SHOWING AREA RESULTS

Two holes (RP02-01 and 02) were drilled 350m southeast of the Bird Drop Showing to test coincident chargeability, resistivity, VLF-EM conductive zone, mag low and down dip extension of anomalous copper values (up to 0.156 % Cu) encountered in trench 7 (TR-7), excavated by the property owners in 2001. Both holes were drilled from the same setup along an existing road.

RP02-01 was drilled to a depth of 252.37m and encountered a 43m interval at the top of the hole of polylithic felsic breccia terminated by a 1m thick fault followed by an intercalated sequence of thin 1m to 5m thick flows of pyroxene phyric basalt, analcite basalt, volcanic breccia and minor clastic sediments (Figure 5). Weakly anomalous copper mineralization was intersected from 37m to 45m (8m) containing an average of 357.72ppm Cu. Cause of the weakly anomalous zone is disseminated, patchy native copper in analcite basalt fragments within the polylithic felsic breccia unit (Figure 6).

Drill hole RP02-02 was cored from the same setup, at a steeper angle (-80°) and encountered the same polylithic felsic breccia at the top of the hole followed by thicker sequences (up to 48.51m) of analcite basalt, plagioclase and pyroxene phyric basalt with intercalated volcanic breccia intervals along with thin maroon sandstone and tuffaceous units. Three significant copper intersections were cut in this hole. From 19m to 21m (2m) contains 560.8ppm Cu within the polylithic felsic breccia. The interval 69m to 73m (4m) contains 0.103% Cu and is predominantly within pyroxene phyric basalt containing <1% disseminated very fine grained sulphides and trace native copper. Near the bottom of the hole at 139m to 141m (2m) contains 0.113% Cu near the base of a thick interval of analcite basalt.

Drill holes RP02-03 and 04 were drilled to test the down dip extension of the Bird Drop Showing, consisting of disseminated fine grained bornite and spotty native copper discovered in an analcite



LEGEND

JURASSIC

- 3 RP Polylithic Breccia

TRIASSIC

Tuff-Sediment Package

- 2D,E, RP Crystal Lithic Lapilli Tuff
- 2D,E, RP Crystal Lithic Tuff
- 2D,E, RP Debris Flow
- 2D$_S$ RP Sandstone
- 2D$_T$ RP Sandstone–Siltstone

Volcanic Package

- 2E RP Analcite Basalt
- 2D$_2$ RP Pyroxene Phyric Basalt
- 2D RP Plag Phyric Basalt

Volcanic Breccia Package

- 2D RP Monolithic Vol Bx
- 2D RP Polylithic Vol Bx Frag Support
- 2D RP Polylithic Vol Bx Matrix Support
- RP Fault

Lithology based on Panteleyev, 1988

phelps dodge Corp. of Canada, Ltd.

Project No.: 195 — Cariboo Mining Division

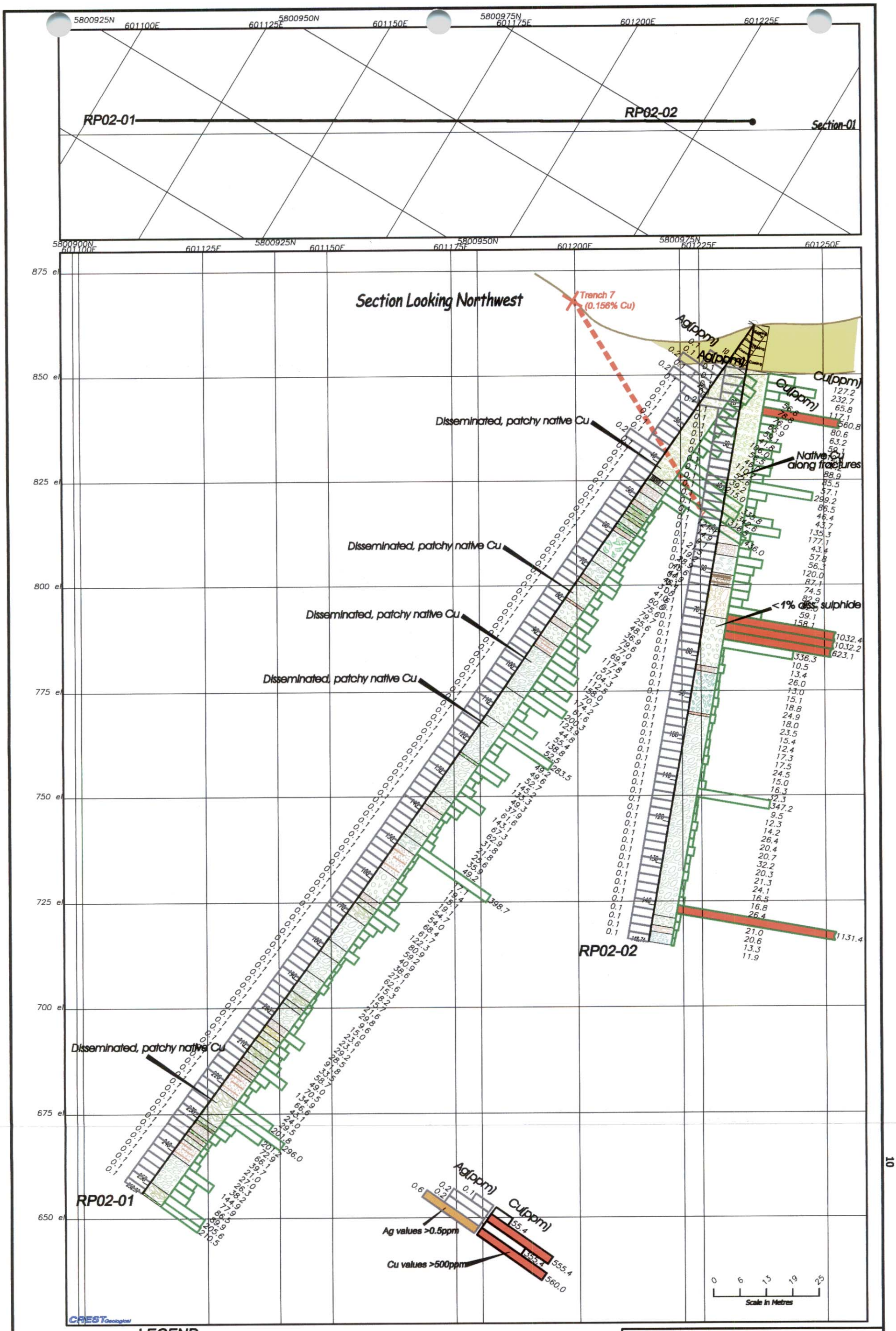
Dot Com Project

SECTION - 1 - Geology

RP02-01 and RP02-02

Rim Property

Drawn by: CWP	Date: Mar/03
Scale: as shown	Figure: 5



LEGEND

JURASSIC

3 RP Polylithic Breccia

TRIASSIC

Tuff-Sediment Package

2D,E, RP Crystal Lithic Lapilli Tuff

2D,E, RP Crystal Lithic Tuff

2D,E, RP Debris Flow

2D$_1$ RP Sandstone

2D$_2$ RP Sandstone–Siltstone

Volcanic Package

2E RP Analcite Basalt

2D$_2$ RP Pyroxene Phyric Basalt

2D RP Plag Phyric Basalt

Volcanic Breccia Package

2D RP Monolithic Vol Bx

2D RP Polylithic Vol Bx Frag Support

2D RP Polylithic Vol Bx Matrix Support

RP Fault

Lithology based on Panteleyev, 1988

phelps dodge Corp. of Canada, Ltd.

Project No.: 195 — Cariboo Mining Division

Dot Com Project

SECTION - 1 - Histogram Plot Cu(ppm) and Ag(ppm) RP02-01 and RP02-02

Rim Property

Drawn by: CWP	Date: Mar/03
Scale: as shown	Figure: 6

basalt outcrop. Sampling of mineralization from the outcrop by the property owners contain up to 1.14% Cu and 1.3gpt Ag.

The collar of drill hole RP02-03 is located 63m northeast of the Bird Drop Showing and was designed to cut the mineralization at depth. Due to excessive overburden (32.92m) and faulting, the horizon was not intersected. The upper part of the hole cut a thick sequence of crystal lithic tuff and minor sandstone. The remainder of the hole cut intercalated pyroxene phyric basalt, analcite basalt and associated volcanic breccias and minor debris flows. The hole also cut three faults with shearing at 5° to 10° to c/a. The thickest fault is 5.45m. At 70.97m to 74.20m the hole intersected propylitic altered pyroxene phyric basalt containing 2% to 4% disseminated and clots of fine grained pyrite (Figure 7). One interval at 84m to 86m (2m) contains anomalous copper of 759.3ppm in analcite basalt. Trace to <1% disseminated fine grained bornite, native copper and chalcopyrite was noted (Figure 8). The Tertiary gravel interval in overburden, at the top of the hole contains 24.6ppb Au.

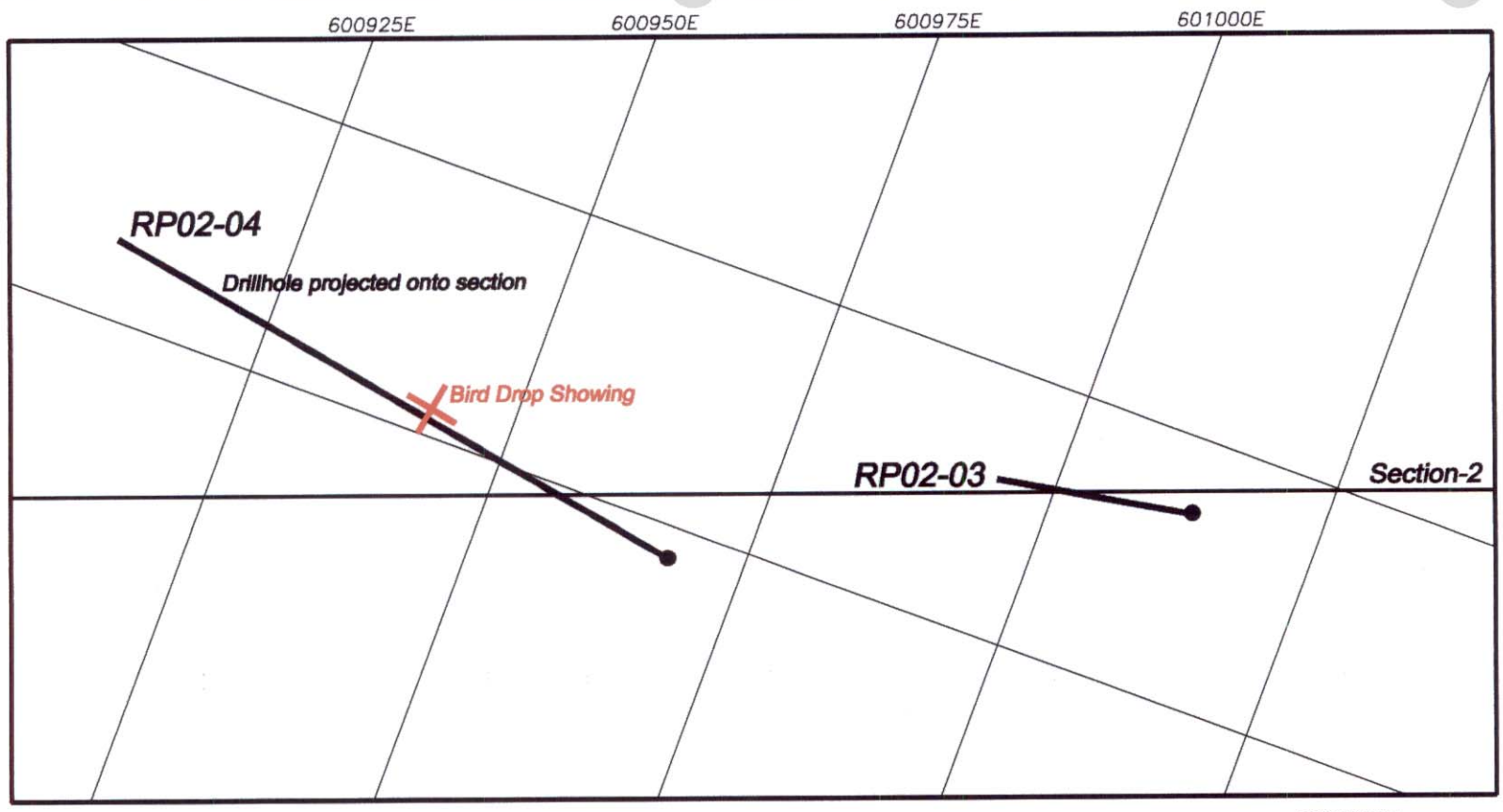
RP02-04 was drilled 24m east of the Bird Drop Showing to escape the extensive overburden cut in RP02-03. The upper part of the hole (to ~60m) cut thick analcite basalt and pyroxene and plagioclase phyric basalt flows with minor interflow volcanic breccia and clastic sediments. The bottom part of the hole intersected thick sequences of volcanic breccias and minor pyroxene-plagioclase phyric basalt, analcite basalt flows, tuffaceous rocks and sandstone. Three intervals contain moderately anomalous copper values. The interval 4.19m to 6.00m (1.81m) contains 531.5ppm Cu within analcite basalt, no explanation for the mineralization was evident in the core. However this interval is believed to represent the down dip extension of the Bird Drop Showing. At 36.00m to 38.00m (2m) within polylithic volcanic breccia there is an alteration zone consisting of quartz-chlorite-epidote +/- feldspar, this 2m interval contains 581.8ppm Cu. From 74.00m to 76.00m (2m) is within a matrix supported polylithic volcanic breccia, angular fragments are pyroxene phyric, plagioclase phyric basalt and analcite basalt set in a mottled fine grained maroon-green-grey calcareous matrix. This 2m interval contains 856.3ppm Cu.

BOULDER SHOWING AREA RESULTS

Drill hole RP02-05 was drilled to test the down dip extension of highly anomalous mineralized boulders discovered along a west facing slope in the south-central part of the property. Mineralized fragments within the polylithic breccia contain up to 5% Cu, 1% Pb, and 5opt Ag as reported by the owners of the property. Coincident with the Boulder Showing is a weakly anomalous chargeability anomaly (1.5 times background), VLF-EM conductive zone and flanks (to the east) a magnetic high and resistivity anomaly. RP02-05 cut polylithic breccia from top to bottom with a 3.6m thick fault zone near the centre of the hole (Figure 9). Near the top of the hole, extending from 22.00m to 46.00m (24m) is a weakly anomalous interval containing an average of 201.38ppm Cu, 149.48ppm Pb, 419.50ppm Zn and 1.15ppm Ag. Within this zone are 2m intervals containing Cu up to 584.2ppm, Pb 483.7ppm, Zn 873ppm and Ag 6.9ppm (Figure 10).

Drill holes RP03-06 and 07 were drilled to test a 1.5 to 2.0 times background chargeability anomaly flanked to the east and west by weak to moderate resistivity anomalies. RP03-06 was collared along the western flank of a weak to moderate positive magnetic anomaly and RP03-07 was collared within a magnetic low some 63m west of RP03-06.

RP03-06 encountered 29.09m of overburden and the remainder of the hole to 45.11m cut maroon-grey-green intensely brecciated, sheared and ground chlorite+/-epidote altered plagioclase-pyroxene phyric basalt fragments set in soft semiconsolidated clay and sandy groundmass (Figure 11). Shearing within the fault zone is generally at 40° to c/a. In the interval 40.39m to 42.32m the hole cut a highly fractured grey fine grained moderately siliceous pyroxene phyric basalt believed to be a block within the fault zone. The interval 29.09m to 37.00m contains a weighted average of 0.45% Cu and 21.15gpt Ag within a maroon, fault zone composed of angular, broken maroon to greenish grey rock fragments set in a maroon clay rich groundmass



LEGEND

JURASSIC

3 RP Polylithic Breccia

TRIASSIC

Tuff-Sediment Package

2D,E$_4$ RP Crystal Lithic Lapilli Tuff

2D,E$_4$ RP Crystal Lithic Tuff

2D,E$_4$ RP Debris Flow

2D$_1$ RP Sandstone

2D$_1$ RP Sandstone–Siltstone

Volcanic Package

2E RP Analcite Basalt

2D$_2$ RP Pyroxene Phyric Basalt

2D RP Plag Phyric Basalt

Volcanic Breccia Package

2D RP Monolithic Vol Bx

2D RP Polylithic Vol Bx Frag Support

2D RP Polylithic Vol Bx Matrix Support

RP Fault

Lithology based on Panteleyev, 1988

0 6 13 19 25

Scale in Metres

Geological contact, layering

Calcite veining

Shearing

Fault

phelps dodge Corp. of Canada, Ltd.

Project No.: 195

Cariboo Mining Division

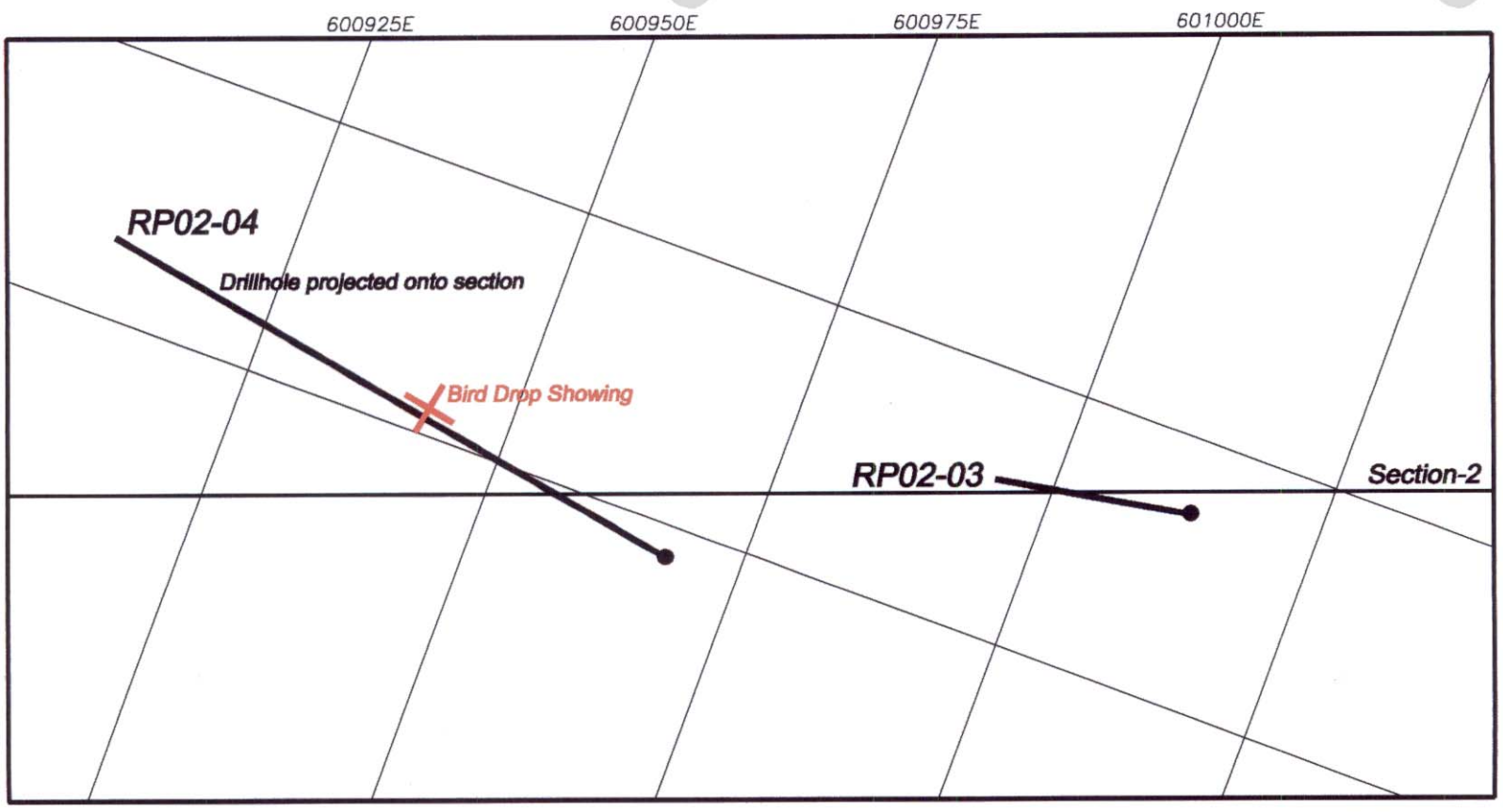
Dot Com Project

SECTION - 2 - GEOLOGY

RP02-03 and RP02-04

Rim Property

Drawn by: CWP	Date: Mar/03
Scale: as shown	Figure: 7



LEGEND

JURASSIC

- 3 RP Polylithic Breccia

TRIASSIC

Tuff-Sediment Package

- 2D,E, RP Crystal Lithic Lapilli Tuff
- 2D,E, RP Crystal Lithic Tuff
- 2D,E, RP Debris Flow
- 2D1 RP Sandstone
- 2D1 RP Sandstone–Siltstone

Volcanic Package

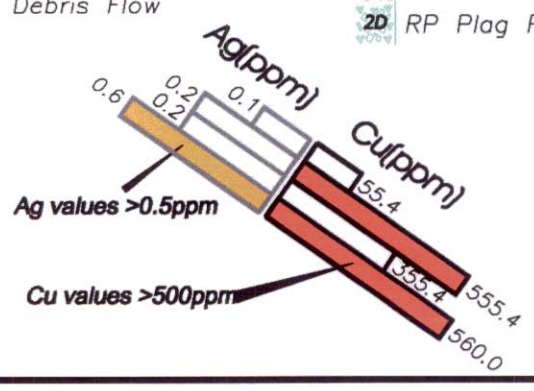
- 2E RP Analcite Basalt
- 2D2 RP Pyroxene Phyric Basalt
- 2D RP Plag Phyric Basalt

Volcanic Breccia Package

- 2D RP Monolithic Vol Bx
- 2D RP Polylithic Vol Bx Frag Support
- 2D RP Polylithic Vol Bx Matrix Support
- RP Fault

Lithology based on Panteleyev, 1988

0 6 13 19 25
Scale in Metres



phelps dodge Corp. of Canada, Ltd.

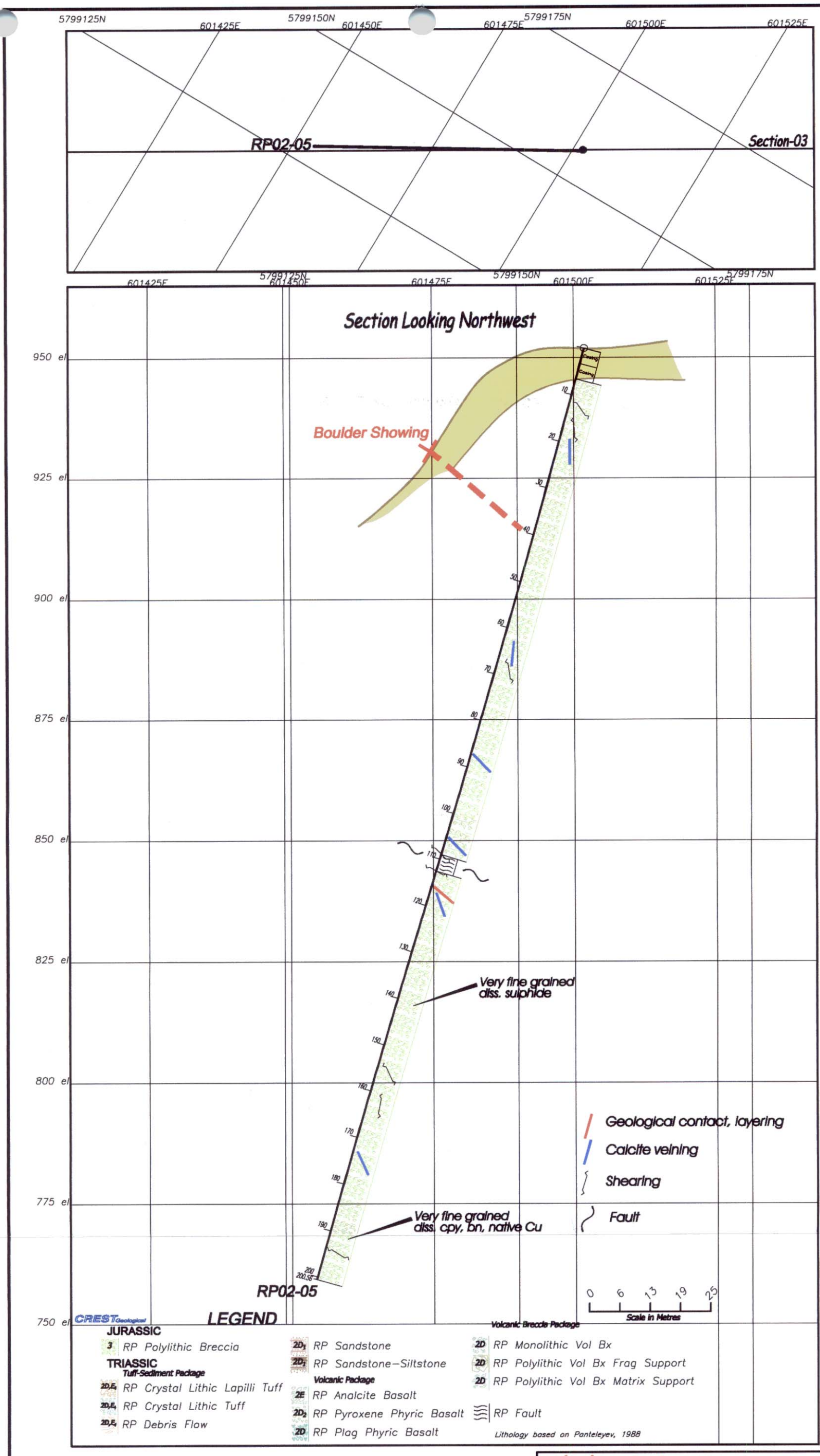
Project No.: 195 — Cariboo Mining Division

Dot Com Project

SECTION - 2 - Histogram Plot Cu(ppm) and Ag(ppm)
RP02-03 and RP02-04

Rim Property

Drawn by: CWP	Date: Mar/03
Scale: as shown	Figure: 8



phelps dodge Corp. of Canada, Ltd.

Project No.: 195 — Cariboo Mining Division

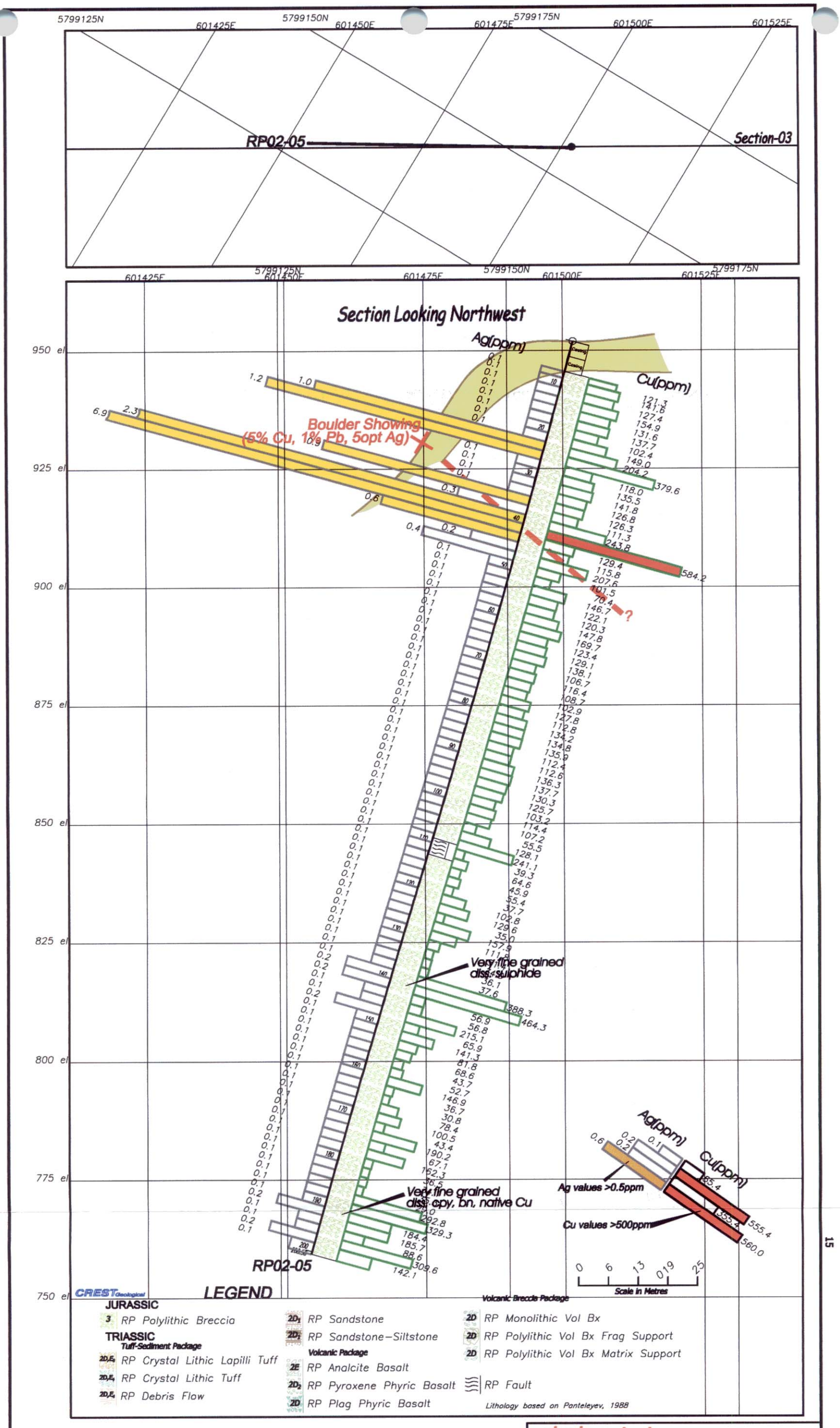
Dot Com Project

SECTION - 3 - GEOLOGY

RP02-05

Rim Property

Drawn by: CWP	Date: Mar/03
Scale: as shown	Figure: 9



phelps dodge Corp. of Canada, Ltd.

Project No.: 195 — Cariboo Mining Division

Dot Com Project

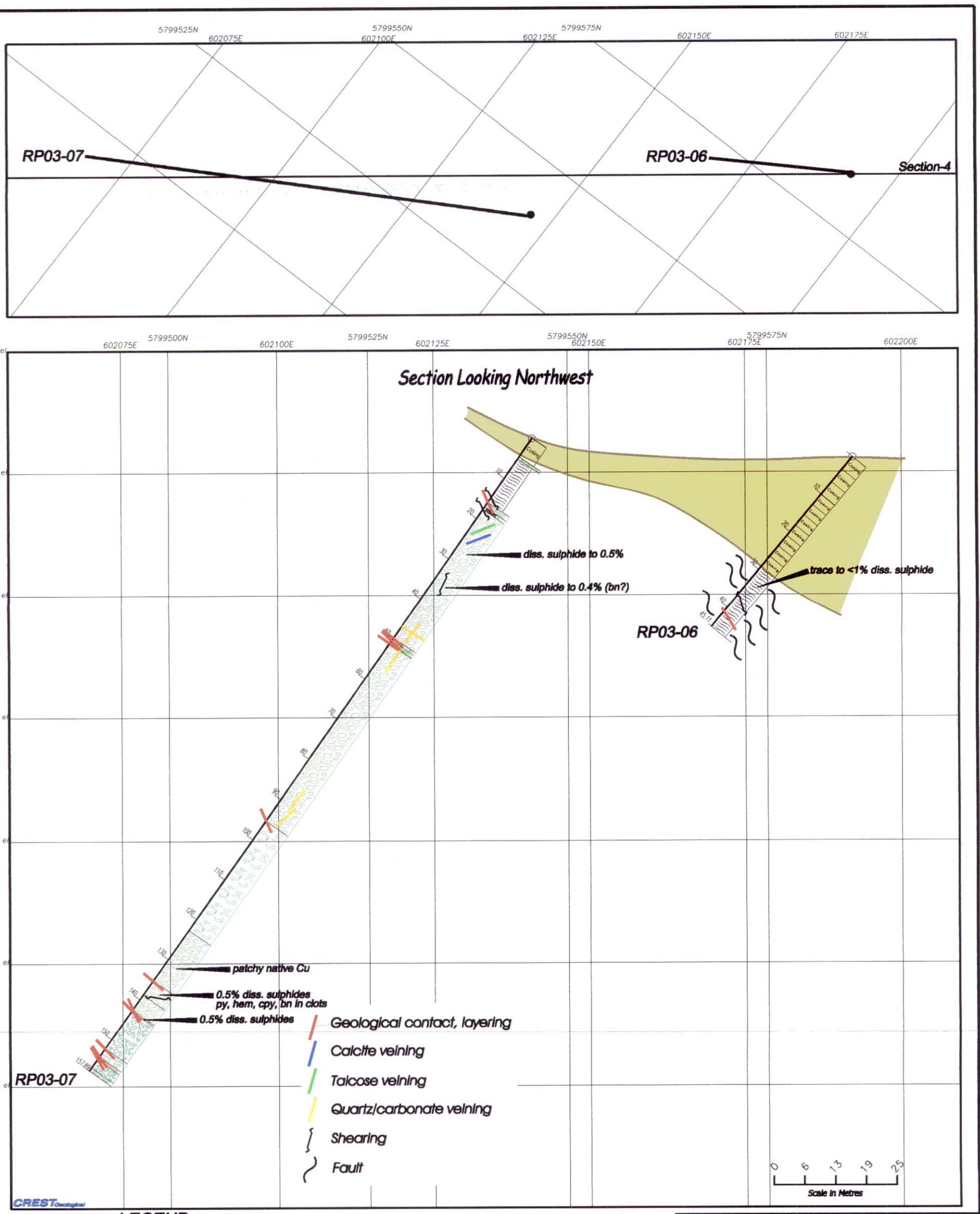
SECTION - 3 - Histogram Plot Cu(ppm) and Ag(ppm) RP02-05

Rim Property

Drawn by: CWP	Date: Mar/03
Scale: as shown	Figure: 10

(Figure 12). Ground angular rock fragments ranging in size from <1mm to 3mm are observed within the groundmass. Sample 42508 is a 'grab' sample of maroon-black fine grained sand material pumped from the hole and collected in a pail. This material contains 827.1ppm Cu, 3.8gpt Ag and 1244ppm Zn.

Drill hole RP03-07 was drilled to a depth of 157.89m. The hole encountered siliceous pyroxene phyric basalt followed by 10m thick fault zone, a thin analcite basalt flow followed by another fault (<1m thick). The central part of the hole cut 77.62m of intercalated analcite basalt and pyroxene phyric basalt. The lower part of the hole intersected a mix of polylithic volcanic breccia, analcite basalt, pyroxene phyric basalt, fine grained basalt and minor monolithic volcanic breccia and sandstone (Figure 11). Geochemical results indicates moderately anomalous (albeit erratic) copper and silver values extending from 16.00m to 36.00m within a light grey-green fine grained, weakly chloritic, siliceous analcite basalt. Within this interval copper values range from 57.9ppm to 2391.9ppm and silver values from 0.01ppm to 2.8ppm. The interval from 16.0m to 18.0m contains 2391.7ppm Cu and 2.0ppm Ag, no visible mineralization was reported from the host analcite basalt. The interval 142.0m to 144.0m contains 1810.5ppm Cu and 0.4ppm Ag. Host to the mineralization is a grey-green fine grained siliceous basalt containing trace to <1% disseminated fine grained sulphide. The interval from 152.0m to 154.0m contains 1130.4ppm Cu and 0.2ppm Ag. Host to the mineralization is a maroon, fragment supported monolithic volcanic breccia containing trace disseminated very fine grained sulphide and wispy flecks of disseminated native copper (Figure 12).



LEGEND

JURASSIC

3 RP Polylithic Breccia

TRIASSIC

Tuff-Sediment Package

2D,E, RP Crystal Lithic Lapilli Tuff

2D,E, RP Crystal Lithic Tuff

2D,E, RP Debris Flow

2D$_1$ RP Sandstone

2D$_1$ RP Sandstone–Siltstone

Volcanic Package

2E RP Analcite Basalt

2D$_2$ RP Pyroxene Phyric Basalt

2D RP Plag Phyric Basalt

Volcanic Breccia Package

2D RP Monolithic Vol Bx

2D RP Polylithic Vol Bx Frag Support

2D RP Polylithic Vol Bx Matrix Support

RP Fault

Lithology based on Panteleyev, 1988

phelps dodge Corp. of Canada, Ltd.

Project No.: 195 — Cariboo Mining Division

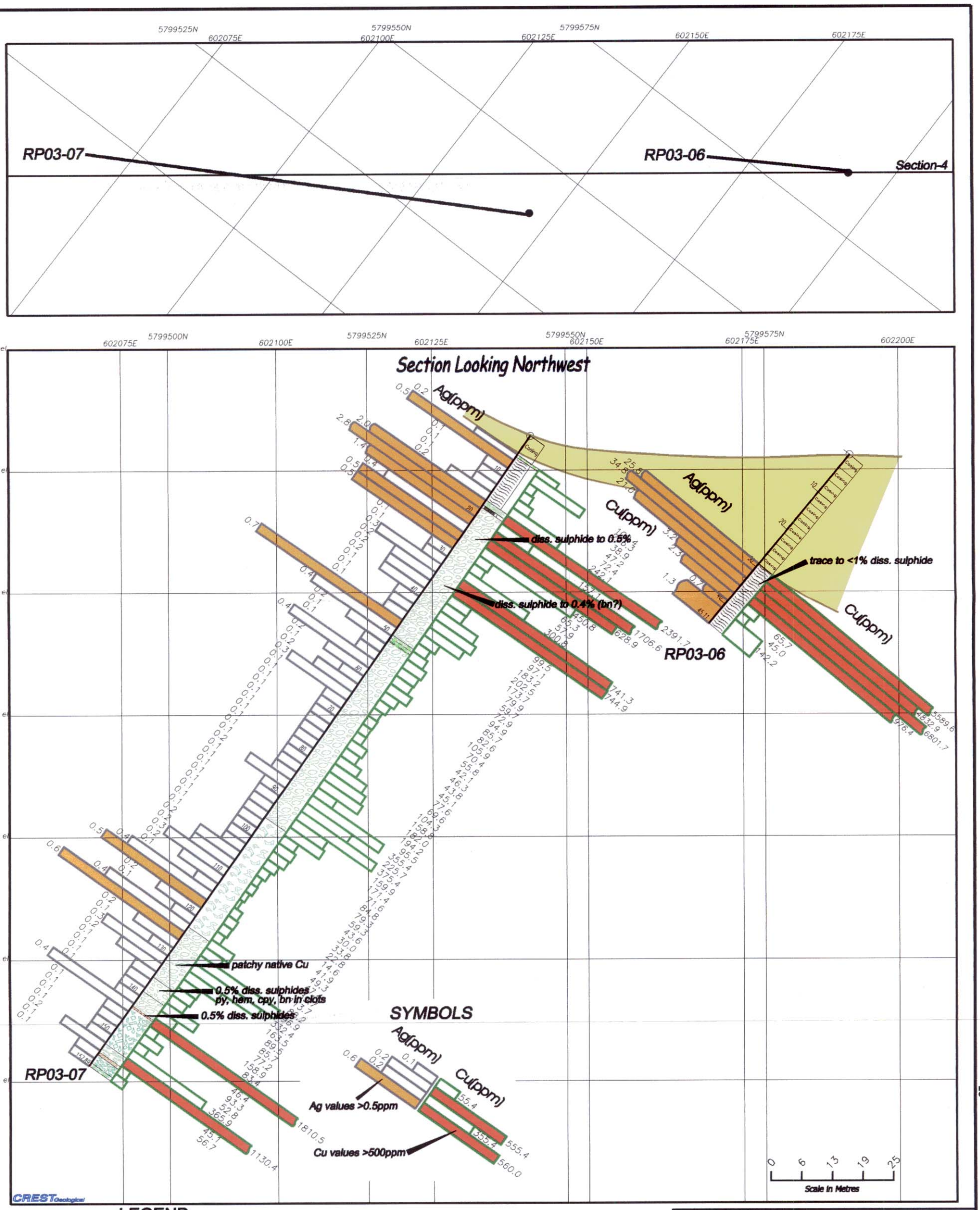
Dot Com Project

SECTION - 4 - GEOLOGY

RP03-06 and RP03-07

Rim Property

Drawn by: CWP	Date: Mar/03
Scale: as shown	**Figure: 11**



LEGEND

JURASSIC

- 3 RP Polylithic Breccia

TRIASSIC

Tuff-Sediment Package

- 2D,E, RP Crystal Lithic Lapilli Tuff
- 2D,E, RP Crystal Lithic Tuff.
- 2D,E, RP Debris Flow
- 2D, RP Sandstone
- 2D, RP Sandstone–Siltstone

Volcanic Package

- 2E RP Analcite Basalt
- 2D, RP Pyroxene Phyric Basalt
- 2D RP Plag Phyric Basalt

Volcanic Breccia Package

- 2D RP Monolithic Vol Bx
- 2D RP Polylithic Vol Bx Frag Support
- 2D RP Polylithic Vol Bx Matrix Support
- RP Fault

Lithology based on Ponteleyev, 1988

phelps dodge Corp. of Canada, Ltd.

Project No.: 195 — Cariboo Mining Division

Dot Com Project

SECTION - 4 - Histogram Plot Cu(ppm) and Ag(ppm) RP03-06 and RP03-07

Rim Property

Drawn by: CWP	Date: Mar/03
Scale: as shown	Figure: 12

RECOMMENDATIONS

The property is covered with overburden precluding the use of geological mapping and prospecting to locate in-place mineralization on the claims. From the initial geophysical work on the property, induced polarization and magnetometer-VLF-EM surveying works well in defining conductive/chargeability zones indicative of copper mineralization for drill testing. Further work is required to test geophysical targets and highly anomalous copper-silver drill intercepts on the property not tested during the 2002-early 2003 exploration program.

Stage 2:

1) Existing drill sumps at RP02-01 and RP02-04 will have to be emptied, re-contoured and seeded, along with sections of existing roads used for drill setups and drill access trails.

2) Drill one hole grid east of RP03-06 to test for down dip continuity of mineralization intersected in both RP03-06 and RP03-07. The hole should be 200m in length.

3) Drill one more hole 150m south of RP02-01 and 02 (Bird Drop Showing Area) to test the down-dip continuity of copper mineralization (5.26% Cu) encountered in trenching (TR-9) by the property owners in 2001. The hole should be 250m in length.

4) Drill one hole in the Boulder Showing Area to test a chargeability anomaly not previously tested by the 2002 or early 2003 drilling. This chargeability anomaly is located 850m west of the Boulder Showing. The hole should also be 250m in length.

To complete **Stage 2**, an estimated budget of $110,000 Cdn will be required.

Respectfully submitted,

CREST Geological Consultants Ltd.

Craig W. Payne, M.Sc., P.Geo.
March 17, 2003

ITEMIZED COST STATEMENT

Assays/Geochem	
458 core samples at $17.29 per sample	7,917.68
Truck Rental 59 days at $70 per day	4,130.00
Core Logging Facility	850.00
Rock Saw Rental	1,310.00
Fuel	924.91
Communications/Telephone	184.62
Field Equipment Rental/Consumables	1,282.74
Maps/Publications/Digital Base Maps	51.80
Travel Costs	16.43
Office Supplies/Photocopying	371.90
Freight	776.37
Salaries - During the period Dec. 5, 2002 to Feb. 18, 2003	
C. Roe at $200 per day (36 days)	7,200.00
C. Payne at $350 per day (58 days)	20,300.00
C. Lindenbach at $200 per day (2.5 days)	500.00
L. Payne at $135 per day (5 days)	675.00
Room and Board – 94 mandays @ $44.06/manday (Dec. 5, 2002 to Feb. 18, 2003)	4,141.64
Core Drilling (Dec. 5, 2002 to Feb. 18, 2003; 1009.7m, 7 holes)	80,000.00
2002-2003 Summary Report and Maps	2,500.00
Assessment Report and Maps	1,000.00
TOTAL	**$134,133.09**

STATEMENT OF QUALIFICATIONS

I, Craig W. Payne of Coquitlam, British Columbia do hereby certify that I:

1. am a graduate of Brock University, St. Catharines, Ontario with a Master of Science degree in Geological Sciences, 1979.

2. am a Fellow of the Geological Association of Canada.

3. am a member of the Association of Professional Engineers and Geoscientists of British Columbia.

4. have practiced my profession since 1972.

5. am a consulting geologist with Crest Geological Consultants Limited.

6. am the author of the report entitled "2003 Core Drilling Report on the Rim Property, Dot Com Project"; Cariboo Mining Division, dated: March 20, 2003.

Dated at Coquitlam, B.C. this 17th day of March, 2003.

Respectfully submitted,

CREST Geological Consultants Ltd.

Craig W. Payne M.Sc., P.Geo.
March 17, 2003

REFERENCES

Bailey, D. G. (1988): Geology of the Central Quesnel Belt, Hydralic, South-Central Central British Columbia (93A/12), in Geological Fieldwork, 1987, *British Columbia Ministry of Energy Mines and Petroleum Resources*, paper 1988-1, pages 147-153.

Bloodgood, M. A. (1988): Geology of the Quesnel Terrane in the Spanish Lake Area, Central British Columbia (93A/11), in Geological Fieldwork, 1987, *British Columbia Ministry of Energy Mines and Petroleum Resources*, paper 1988-1, pages 139-145.

Panteleyev, A. (1987): Quesnel Gold Belt: Alkalic Volcanic Terrane Between Horsefly and Quesnel Lakes, (93A/6), in Geological Fieldwork, 1986, *British Columbia Ministry of Energy Mines and Petroleum Resources*, paper 1987-1, pages 125-133.

Panteleyev, A. (1988): Quesnel Mineral Belt – The Central Volcanic Axis Between Horsefly and Quesnel Lakes, (93A/5E, 06W), in Geological Fieldwork, 1986, *British Columbia Ministry of Energy Mines and Petroleum Resources*, paper 1988-1, pages 131-137.

Panteleyev, A., Bailey, D. G. Bloodgood, M. A. and Hancock, K. D. (1996): Geology and Mineral deposits of the Quesnel River-Horsefly Map Area, Central Quesnel Trough, British Columbia (NTS Map Sheets 93A/5, 6, 7, 11, 12, 13; 93B/9, 16; 93G/1; 93H/4)), Geological Survey Branch, British Columbia, Bulletin 97.

Panteleyev, A. and Hancock, K. D. (1989): Quesnel Mineral Belt: Summary of the Geology of the Beaver Creek-Horsefly River Map Area, in Geological Fieldwork, 1988, *British Columbia Ministry of Energy Mines and Petroleum Resources*, paper 1989-1, pages 159-166.

Payne, J. G., (2001): Petrographic Report, Rim Property, Horsefly Area, B.C. for H. Wahl. Report 010768.

Scott, A., (2002): Logistical Report, Induced Polarization Survey, Rim Property, Horsefly Area, B.C. on behalf of Phelps Dodge Corporation of Canada, Ltd.

Unknown Author, (2002): Optical Petrography and SEM Observations on Three Polished Thin Sections From A Cu Prospect in British Columbia, University of British Columbia.

Wahl, H. (2002): Rimex Group: Report of Initial Enzyme Leach Soils Survey, Cariboo Mining Division, B.C., Internal Report.

Wahl, H. (2002): Rim Claims, November 13-23, 2001 Trenching Program Plus Pre-Trenching Sampling, Internal Memorandum Report.

APPENDIX I

DRILL LOGS

GEOTECHNICAL DATA

CORE GEOCHEMICAL DATA

AND

ANALYTICAL CERTIFICATES

phelps dodge
Corporation of Canada, Limited

DOT COM PROJECT RP02-01

DRILL HOLE RECORD

HOLE NO:	RP02-01	**BEARING:**	239°	**CORE SIZE:**	NQ	**STARTED:**	December 12/02
PROPERTY:	Rim	**DIP:**	-55°	**CASING:**	10.90m (pulled)	**COMPLETED:**	December 15/02
LOCATION:	Bird Drop Showing Area	**NORTHING:**	5800986 (NAD 83)	**LENGTH:**	252.37m	**DRILL CO:**	Phil's Drilling Ltd.
NTS:	93 A/033	**EASTING:**	601235 (NAD 83)			**LOGGED BY:**	C. Payne
CLAIM:	PD 1	**ELEVATION:**	862m ASL				

SUMMARY LOG:

From (m)	To (m)	Description
0.00	10.90	OVERBURDEN
10.90	43.02	POLYLITHIC FELSIC BRECCIA
43.02	44.38	FAULT
44.38	252.37	INTERCALATED VOLCANIC FLOWS, POLYLITHIC VOLCANIC
		BRECCIA AND MINOR CLASTIC SEDIMENTS
	252.37	END OF HOLE

CORE BOXES:

Box	Interval (m)	Box	Interval (m)	Box	Interval (m)	Box	Interval (m)	Box	Interval (m)
1	10.90-16.14	18	106.73-112.86	35	202.36-208.08				
2	16.14-21.63	19	112.86-118.05	36	208.08-213.71				
3	21.63-27.06	20	118.05-123.69	37	213.71-218.33				
4	27.06-32.46	21	123.69-129.05	38	218.33-224.94				
5	32.46-37.84	22	129.05-134.52	39	224.94-230.68				
6	37.84-44.20	23	134.52-140.06	40	230.68-236.23				
7	44.20-49.58	24	140.06-145.38	41	236.23-241.87				
8	49.58-55.35	25	145.38-151.31	42	241.87-247.63				
9	55.35-61.80	26	151.31-157.04	43	247.63-252.37				
10	61.80-66.86	27	157.04-162.82						
11	66.86-72.42	28	162.82-168.26						
12	72.42-78.00	29	168.26-174.04						
13	78.00-83.74	30	174.04-179.50						
14	83.74-89.38	31	179.50-185.32						
15	89.38-95.20	32	185.32-190.89						
16	95.20-100.94	33	190.89-196.60						
17	100.94-106.73	34	196.60-202.36						

COMMENTS:

Hole designed to test down dip continuity of Cu mineralization discovered in Trench 7 (0.156% Cu), IP chargeability anomaly, VLF-EM conductive zone and magnetic low.

DIP TESTS:

INSTRUMENT: 30mm Etch Tube, 6% HF

Depth (m)	DIP(uncorr)	DIP(corr)	AZIMUTH	Depth (m)	DIP(uncorr)	DIP(corr)	AZIMUTH
106.07	-63°	-55.5°	239°				
213.36	-61°	-53.3°	239°				
252.37	-62°	-54.3°	239°				

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
0.00	10.90	**OVERBURDEN** Quartz and volcanic fragments in till.		13101	10.90	13.00	2.10	56.8	4.6	71	0.1	5.30	1.4
				13102	13.00	15.00	2.00	78.8	4.3	78	0.1	5.77	0.5
				13103	15.00	17.00	2.00	76.0	4.6	65	0.2	5.59	1.3
				13104	17.00	19.00	2.00	65.9	4.9	67	0.1	5.26	3.5
10.90	43.02	**POLYLITHIC BRECCIA** Maroon-dark grey with minor intervals of dark green throughout. Breccia fragments are rounded to subangular, range in size from <1cm to 23cm and range in colour from maroon to light grey. Fragments are maroon to dark grey pyroxene phyric basalt, grey-green analcite basalt, maroon to grey plagioclase phyric basalt, pyroxene-hornblende basalt, minor olivine-pyroxene phyric basalt, maroon coarse pyroxene phyric basalt, light grey quartz latite, minor rounded <2cm fine grained diorite fragments and small (<1cm) subrounded light orangey-grey monzonite fragments. Unit is generally matrix supported (reworked). Intervals of larger fragments are locally fragment supported. Matrix is maroon in colour, fine grained to silty and contains fine grained debris of the larger fragments and minor crystals of pyroxene, fractured analcite and finer grained material. Matrix is calcareous and moderately magnetic. Minor, irregular calcite fractures throughout interval. Disseminated magnetite to 2% within mafic fragments. Trace to <1% disseminated pyrite, chalcopyrite?, bornite? in lighter coloured fragments and in matrix. 10.90-16.38: large (>6cm), coarse clast polylithic breccia-clast supported 16.38-16.53: minor interval of lapilli tuff 16.53-16.70: sandstone 16.70-20.57: medium size (to 6cm) clast polylithic, matrix supported breccia 20.57-28.72: large, coarse clast polylithic breccia 28.72-30.77: medium size polylithic breccia with a maroon silty matrix 30.77-36.00: large coarse clast polylithic breccia 36.00-43.02: maroon, medium sized polylithic breccia 36.56: layered blue-green-white soft talcy material in shear zone, 70° to c/a 40.76: calcite-quartz-feldspar-chlorite filled shear zone (3mm thick) at 70° to c/a	Patchy native Cu	13105	19.00	21.00	2.00	59.1	4.9	75	0.2	5.59	3.4
				13106	21.00	23.00	2.00	41.8	5.0	68	0.1	5.13	2.0
				13107	23.00	25.00	2.00	106.0	6.7	86	0.1	6.19	2.4
				13108	25.00	27.00	2.00	56.5	5.4	86	0.1	5.62	2.8
				13109	27.00	29.00	2.00	46.0	4.8	67	0.1	5.08	2.1
				13110	29.00	31.00	2.00	110.7	4.2	82	0.1	5.52	5.9
				13111	31.00	33.00	2.00	52.6	5.3	76	0.1	5.75	3.3
				13112	33.00	35.00	2.00	39.2	4.9	77	0.1	5.25	3.5
				13113	35.00	37.00	2.00	215.0	5.0	73	0.1	5.47	2.9
				13114	37.00	39.00	2.00	335.8	5.5	78	0.2	5.68	2.5
				13115	39.00	41.00	2.00	342.6	5.0	71	0.1	5.57	2.9
				13116	41.00	43.00	2.00	316.5	4.5	83	0.1	6.23	3.7
				13117	43.00	45.00	2.00	436.0	4.6	59	0.1	4.86	3.4
				13118	45.00	47.00	2.00	121.1	6.3	55	0.1	5.28	2.8
				13119	47.00	49.00	2.00	14.9	3.4	56	0.1	4.77	4.2
				13120	49.00	51.00	2.00	9.1	2.5	55	0.1	4.85	4.5
				13121	51.00	53.00	2.00	21.5	5.7	60	0.1	5.17	4.2
				13122	53.00	55.00	2.00	19.2	5.2	62	0.1	5.67	5.5
				13123	55.00	57.00	2.00	28.9	4.9	60	0.1	4.65	2.1
				13124	57.00	59.00	2.00	45.6	8.0	81	0.1	6.23	6.8
				13125	59.00	61.00	2.00	44.9	6.6	74	0.1	5.48	4.6
				13126	61.00	63.00	2.00	46.4	7.6	68	0.1	4.98	2.8
				13127	63.00	65.00	2.00	31.5	6.2	57	0.1	4.51	8.7
				13128	65.00	67.00	2.00	41.6	6.6	72	0.1	5.07	1.4
				13129	67.00	69.00	2.00	60.0	6.5	72	0.1	4.89	2.9
				13129A	69.00	71.00	2.00	75.6	5.8	73	0.1	4.96	1.5
				13130	71.00	73.00	2.00	79.7	6.7	71	0.1	5.38	3.3
				13131	73.00	75.00	2.00	25.6	5.1	66	0.1	4.94	2.9
				13132	75.00	77.00	2.00	48.1	4.9	60	0.1	4.66	3.7
				13133	77.00	79.00	2.00	36.9	3.7	65	0.1	4.72	5.2
				13134	79.00	81.00	2.00	79.6	5.9	63	0.1	4.48	6.6
				13135	81.00	83.00	2.00	77.0	6.7	59	0.1	4.14	2.5
				13136	83.00	85.00	2.00	69.4	5.6	65	0.1	4.68	2.0
				13137	85.00	87.00	2.00	117.8	5.8	57	0.1	4.74	4.1
				13138	87.00	89.00	2.00	57.7	3.4	56	0.1	4.46	2.6
				13139	89.00	91.00	2.00	104.3	5.2	62	0.1	4.16	4.6
				13140	91.00	93.00	2.00	112.5	5.4	59	0.1	4.72	3.5
				13141	93.00	95.00	2.00	158.0	4.6	59	0.1	4.70	1.8
				13142	95.00	97.00	2.00	70.7	4.7	75	0.1	5.02	3.0
				13143	97.00	99.00	2.00	174.2	4.6	67	0.1	4.91	2.5
				13144	99.00	101.00	2.00	61.6	4.7	57	0.1	4.57	1.5
				13145	101.00	103.00	2.00	200.3	4.3	63	0.1	4.66	2.8
43.02	44.38	**FAULT ZONE** Rubble core, brecciated, sheared and infilled with calcite. Lower 10cm is maroon gouge. Lower contact is 65° to c/a.											
44.38	45.77	**PYROXENE PHYRIC BASALT** Maroon-dark brown-grey, fine grained basalt. Euhedral to subhedral pyroxene (grass green) phenocrysts make up 20% of rock and rounded to ovoid analcite filled amygdules make up 3%. Matrix is mottled maroon to green-grey and fine grained. Top (44.38-45.11m) is flow breccia healed with calcite. Rock is weakly magnetic and weakly (irregularly) calcareous. Throughout interval is <1% disseminated irregular												

From (m)	To (m)	Description	Mineralization
		patches (<1mm to 2mm) of native copper and irregularly distributed disseminated very fine grained pyrite. Lower contact is sharp but undulating at 20° to c/a.	
45.77	48.06	**SANDSTONE** Maroon, fine grained, well layered sandstone. Unit is calcareous, weakly magnetic except darker bands (up to 1cm thick) which are moderately to strongly magnetic due to the presence of magnetite. Lighter bands are up to 3 to 4mm thick. Layering is at 75° to c/a. Minor calcite veinlets, 2 to 3mm wide throughout interval are at 63° to c/a. Trace to 1% disseminated fine grained pyrite and trace fine grained native copper throughout interval. 46.70-48.06: Angular pyroxene-analcite basalt fragments set in a maroon, silty-sandy matrix. Pyroxene-analcite basalt fragments range from 2 to 8cm in size. Interval is matrix supported, both clasts and matrix are calcareous. Lower contact is sharp but irregular at 80° to c/a. Lower interval is reworked.	
48.06	50.28	**PYROXENE PHYRIC BASALT** Green-grey, fine grained basalt with rounded to euhedral black pyroxene phenocrysts (making up to 9% of rock) which range in size from <1 to 5mm. Subhedral plagioclase phenocrysts have been replaced by calcite. Analcite filled amygdules are rounded to irregular in shape and range in size from <1mm to 1cm. Interval is moderately magnetic and weakly calcareous. Moderate calcite veinlets throughout interval ranging from perpendicular to parallel to c/a. <1% disseminated fine grained pyrite and trace native copper. Lower contact is at 60° to c/a.	
50.28	51.59	**SANDSTONE** Maroon to grey, fine to medium grained layered sandstone. Layering at 90° to c/a. 51.56: crossbedding, 3mm to 5mm wide shear zone infilled with layered green-white-grey talcose material. Lower contact is irregular at 35° to c/a.	
51.59	52.36	**ANALCITE BASALT** Dark maroon fine grained amygdaloidal basalt. Irregular to oval shaped amygdules are infilled with analcite and make up 40% of rock. Interval is moderately magnetic and weakly calcareous.	
52.36	53.55	**POLYLITHIC VOLCANIC BRECCIA** Analcite basalt, pyroxene basalt fragments are set in a fine grained maroon matrix. Interval is fragment supported with abundant calcite in the matrix.	

Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
13146	103.00	105.00	2.00	123.9	6.3	64	0.1	5.20	4.8
13147	105.00	107.00	2.00	44.8	5.2	62	0.1	4.82	29.6
13148	107.00	109.00	2.00	55.4	4.0	59	0.1	4.22	5.1
13149	109.00	111.00	2.00	138.8	1.5	63	0.1	5.09	3.7
13150	111.00	113.00	2.00	52.5	4.4	58	0.1	4.74	2.1
13151	113.00	115.00	2.00	283.5	4.4	58	0.1	4.85	2.2
13152	115.00	117.00	2.00	49.2	5.1	64	0.1	5.13	0.9
13153	117.00	119.00	2.00	49.6	5.1	65	0.1	5.11	2.3
13154	119.00	121.00	2.00	52.7	4.6	58	0.1	4.82	0.9
13155	121.00	123.00	2.00	145.2	5.0	63	0.1	5.15	0.6
13156	123.00	125.00	2.00	133.3	4.5	55	0.1	4.63	2.7
13157	125.00	127.00	2.00	49.3	4.3	51	0.1	4.51	1.1
13158	127.00	129.00	2.00	37.9	4.1	53	0.1	4.53	2.9
13159	129.00	131.00	2.00	61.6	5.0	63	0.1	5.05	1.6
13160	131.00	133.00	2.00	143.1	5.8	62	0.1	4.91	2.9
13161	133.00	135.00	2.00	67.3	5.6	54	0.1	4.71	2.5
13162	135.00	137.00	2.00	62.9	3.4	55	0.1	4.53	2.2
13163	137.00	139.00	2.00	31.8	4.5	57	0.1	5.35	3.5
13164	139.00	141.00	2.00	21.8	5.8	86	0.1	5.19	8.5
13165	141.00	143.00	2.00	25.6	5.5	69	0.1	5.06	2.4
13166	143.00	145.00	2.00	35.9	7.2	76	0.1	5.48	2.4
13167	145.00	147.00	2.00	49.2	5.7	76	0.1	5.28	2.7
13168	147.00	149.00	2.00	398.7	6.2	77	0.1	5.46	2.6
13169	149.00	151.00	2.00	17.1	6.4	72	0.1	5.69	12.0
13170	151.00	153.00	2.00	19.4	9.6	78	0.1	5.32	3.3
13171	153.00	155.00	2.00	15.1	6.5	83	0.1	6.38	2.2
13172	155.00	157.00	2.00	19.1	6.7	71	0.1	5.45	5.7
13173	157.00	159.00	2.00	54.7	3.3	62	0.1	4.88	3.3
13174	159.00	161.00	2.00	54.0	3.7	57	0.1	4.65	3.2
13175	161.00	163.00	2.00	68.4	3.9	57	0.1	5.06	3.7
13176	163.00	165.00	2.00	61.7	6.2	71	0.1	4.88	3.9
13177	165.00	167.00	2.00	122.3	5.8	58	0.1	4.47	1.7
13178	167.00	169.00	2.00	80.9	6.1	62	0.1	4.73	1.6
13179	169.00	171.00	2.00	59.2	6.1	65	0.1	4.95	7.1
13180	171.00	173.00	2.00	40.9	5.4	60	0.1	4.40	3.3
13181	173.00	175.00	2.00	38.6	4.9	56	0.1	4.13	2.2
13182	175.00	177.00	2.00	27.1	4.7	58	0.1	4.24	1.4
13183	177.00	179.00	2.00	62.6	2.8	55	0.1	4.42	1.7
13184	179.00	181.00	2.00	15.3	3.5	61	0.1	4.90	1.9
13185	181.00	183.00	2.00	16.2	5.7	56	0.1	4.31	1.2
13186	183.00	185.00	2.00	15.7	7.8	62	0.1	4.91	4.9
13187	185.00	187.00	2.00	21.6	2.8	55	0.1	4.42	1.3
13188	187.00	189.00	2.00	29.8	2.3	54	0.1	3.82	1.6
13189	189.00	191.00	2.00	9.6	4.4	58	0.1	4.36	2.3
13190	191.00	193.00	2.00	15.0	6.5	66	0.1	4.98	2.8
13191	193.00	195.00	2.00	23.6	5.3	62	0.1	4.26	0.5

From (m)	To (m)	Description	Mineralization
53.55	54.36	**PYROXENE PHYRIC BASALT** Green-grey, fine grained pyroxene phyric basalt. Pyroxene phenocrysts (make up 15% of rock) are up to 4mm in size and weakly epidote altered.	
54.36	55.20	**POLYLITHIC VOLCANIC BRECCIA** As described at 52.36 to 53.55m.	
55.20	56.72	**PYROXENE PHYRIC BASALT** Green-grey, fine grained pyroxene phyric basalt. <1mm to 2mm euhedral to rounded pyroxene phenocrysts make up to 10% of rock. Within interval are 5cm thick breccia zones healed with calcite. Trace disseminated fine grained pyrite throughout.	
56.72	57.30	**MONOLITHIC VOLCANIC BRECCIA** Pyroxene-analcite basalt fragments set in a calcite matrix. Breccia is fragment supported. Trace disseminated fine grained pyrite throughout. 57.28-57.30: calcareous silty-sandy matrix. Lower contact 70° to c/a.	
57.30	58.01	**ANALCITE BASALT** Medium grey-green-maroon amygdaloidal basalt. Amygdules are oval to irregular in shape and up to 1cm in size. Appears to be a crude layering (orientation to oval shaped amygdules). Analcite amygdules make up to 60% of rock, decreasing to 10% at base of interval.	
58.01	59.15	**SANDSTONE** Maroon, medium grained immature sandstone. Layering is 65° to c/a. Very fine grained disseminated pyrite throughout interval to <1%. Weak graded bedding indicate tops are "uphole". Lower contact is irregular at 10° to c/a.	
59.15	65.07	**MONOLITHIC VOLCANIC BRECCIA** Angular to subrounded grey-green, amygdaloidal basalt fragments with the amygdules infilled with analcite. Fragments range up to 25cm in size and are set in a silty maroon matrix. Breccia is fragment supported. 60.07-60.50: matrix supported debris flow, analcite basalt fragments. 61.80-65.07: fragments have diffuse, irregular boundaries with matrix, abundant calcite infilling around fragments Lower contact gradational into underlying basalt.	

Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
13192	195.00	197.00	2.00	23.1	6.0	62	0.1	4.64	3.6
13193	197.00	199.00	2.00	29.2	5.3	69	0.1	5.28	2.5
13194	199.00	201.00	2.00	28.5	5.4	64	0.1	4.87	1.7
13195	201.00	203.00	2.00	91.8	6.0	71	0.1	5.15	1.6
13196	203.00	205.00	2.00	33.5	3.5	50	0.1	4.03	1.1
13197	205.00	207.00	2.00	58.7	3.3	53	0.1	3.72	1.4
13198	207.00	209.00	2.00	49.0	3.4	58	0.1	4.03	1.9
13199	209.00	211.00	2.00	70.5	3.7	59	0.1	4.33	2.0
13200	211.00	213.00	2.00	134.9	4.8	65	0.1	4.87	1.4
13201	213.00	215.00	2.00	66.6	5.6	66	0.1	5.04	1.4
13202	215.00	217.00	2.00	43.1	5.4	67	0.1	5.08	4.9
13203	217.00	219.00	2.00	24.0	6.2	58	0.1	5.02	1.5
13204	219.00	221.00	2.00	29.5	5.7	67	0.1	5.26	3.7
13205	221.00	223.00	2.00	201.8	5.5	69	0.1	4.86	3.0
13206	223.00	225.00	2.00	296.0	5.5	54	0.1	4.27	1.6
13207	225.00	227.00	2.00	201.2	5.5	67	0.1	4.58	1.5
13208	227.00	229.00	2.00	72.9	5.8	62	0.1	4.46	2.4
13209	229.00	231.00	2.00	66.1	5.3	62	0.1	4.68	2.6
13210	231.00	233.00	2.00	39.7	5.7	58	0.1	4.88	3.6
13211	233.00	235.00	2.00	21.0	5.2	56	0.1	5.10	4.9
13212	235.00	237.00	2.00	27.0	4.5	51	0.1	5.04	3.2
13213	237.00	239.00	2.00	26.3	5.8	59	0.1	4.94	9.8
13214	239.00	241.00	2.00	38.2	6.5	56	0.1	4.86	4.0
13215	241.00	243.00	2.00	144.9	5.9	57	0.1	4.68	3.0
13216	243.00	245.00	2.00	77.9	6.1	52	0.1	4.56	4.3
13217	245.00	247.00	2.00	86.5	6.0	54	0.1	4.80	4.3
13218	247.00	249.00	2.00	89.9	6.1	59	0.1	4.98	4.1
13219	249.00	251.00	2.00	205.6	5.6	59	0.1	4.99	3.1
13220	251.00	252.37	1.37	210.5	6.2	59	0.1	5.27	3.0

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
65.07	68.06	**PYROXENE PHYRIC BASALT** Medium grey, fine grained basalt. Euhedral pyroxene phenocrysts are <1mm in size and make up 10% of the rock. Analcite filled amygdules make up 3% of rock. Weak to moderate 1 to 2mm irregular calcite veinlets throughout interval. Interval is weakly to moderately magnetic and non-calcareous. Trace disseminated fine grained pyrite throughout. 67.40-68.06: abundant analcite filled amygdules.											
68.06	71.84	**MONOLITHIC VOLCANIC BRECCIA** Angular to subangular maroon to green, fine grained analcite filled amgydules basalt fragments set in calcite cement. Interval is fragment supported.											
71.84	72.85	**SANDSTONE** Fine to medium grained, light to dark maroon and minor black layers are composed of fine grained quartz, pyroxene, epidote altered grains, ragged plagioclase and other fine grained material. Lighter coloured layers are calcareous, darker coloured layers are weakly calcareous and moderately magnetic. <1 to 1% disseminated fine grained pyrite throughout. Calcite veinlets range from 1mm to 2mm wide throughout. Lower contact is gradational (debris flow) into pyroxene phyric basalt.											
72.85	78.70	**PYROXENE PHYRIC BASALT** Green-grey, fine grained pyroxene phyric basalt. Pyroxene phenocrysts are up to 4mm and are light to medium green in colour and make up to 20% of rock. Irregular analcite filled amygdules up to 1.5cm but are generally 2mm to 3mm in size. Weak, discontinuous calcite veinlets are up to 2mm wide and are perpendicular to 30° to c/a. 73.92-78.70: Green-grey, fine grained pyroxene phenocrysts are epidote +/- chlorite altered but still retain euhedral crystal shape. Interval is non-calcareous while some analcite filled amygdules are weakly to moderately calcareous. Spotty, trace native copper throughout interval.	Patchy native Cu										
78.70	79.30	**SANDSTONE** Layered, maroon-light grey calcareous sandstone. Layering at 75° to c/a. 78.82: 0.5cm thick layer of broken to rounded olivine-pyroxene crystals.											
79.30	84.00	**PYROXENE PHYRIC BASALT** Green-grey, fine grained basalt with 3% to 5% small 1 to 2mm rounded pyroxene phenocrysts and minor analcite filled amygdules. Rock is moderately magnetic. Very fine grained disseminated sulphide throughout interval. Local tension gashes, veinlets of calcite throughout interval.											

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
		79.30-81.84: fragment supported flow breccia with abundant calcite cement. 83.79-84.00: flow breccia, large analcite filled amygdules to 1.5cm. Lower contact sharp but undulating at 50° to c/a.											
84.00	85.60	**SANDSTONE** Maroon to light grey layering. Rock is calcareous. Layering at 85° to c/a. Lower contact is gradational into basalt.											
85.60	89.58	**PYROXENE PHYRIC BASALT** Green-grey, very fine grained basalt with 5% to 6% euhedral pyroxene phenocrysts. Interval from 85.60-87.15m analcite filled amygdules (cumulate zone), analcite taking on pinkish colour. *87.15-89.00: fine grained pyroxene basalt.* 87.63: 1cm thick horizon of sandstone at 30° to c/a.											
89.58	92.47	**SANDSTONE** Interval of mixed sandstone and debris flow with sandstone matrix. 91.40-92.47: maroon-light grey layered sandstone, layering at 70° to c/a, very fine grained disseminated pyrite in sandstone, interval is calcareous, minor fault offsets in layering (up to 2cm) Trace disseminated very fine grained native copper, also in veinlets	<1% diss. Very fined grained pyrite										
92.47	104.19	**ANALCITE BASALT** Green-grey, fine grained glomero-cumulate zone of analcite filled amygdules. Amugdules are up to 1.5cm in diameter, most amugdules are irregularly shaped and make up to 60% of rock. There is a crude preferred orientation to ovoid amygdules at 45° to c/a. Minor ragged, subhedral, epidote altered pyroxene phenocrysts make up to 2% of the rock. Trace disseminated very fine grained native copper within interval. Locally native copper up to 0.5%.	Patchy native Cu										
104.19	112.31	**PYROXENE PHYRIC BASALT** Green-grey, fine grained basalt with 6% to 8% weakly epidote altered pyroxene. *Sporatic analcite filled amygdules are altered to a pinkish-brown material, some* amygdules are zoned. Rock is moderately magnetic. Weak 1 to 2mm wide calcite veinlets throughout interval, generally at 60° to 70° to c/a. Trace disseminated very fine grained native copper throughout interval. 104.19-108.01: maroon-green-grey pyroxene-analcite basalt fragments cemented with calcite, fragment supported interval	*Trace diss.* native Cu										

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
112.31	123.15	**ANALCITE BASALT** Maroon, grey-green fine grained basalt with coarse analcite filled amygdules making up 30% of the rock. Pyroxene phenocrysts make up to 10% of the rock. Some analcite shows a stellate growth pattern with a brown alteration material along rims and centres. Some intervals contain only minor analcite while others are glomero-cumulate zones of analcite filled amygdules. 112.76-114.40: fine grained basalt, interval contains disseminated fine grained native copper to 1%, also in veinlets and surrounding rims of analcite filled amygdules 121.52-122.12: flow breccia with large 2mm to 4mm subrounded pyroxene phenocrysts	Diss. native Cu										
123.15	123.74	**PYROXENE PHYRIC BASALT** Green-grey, fine grained basalt with 5% to 8% pyroxene phenocrysts. Minor analcite filled amygdules through interval. Lower contact is irregular at 90° to c/a.											
123.74	134.52	**ANALCITE BASALT** Analcite amygdules make up to 20% of the rock and pyroxene phenocrysts 15%. There is a crude alignment of analcite filled amygdules at 30° to c/a. Interval is weakly calcareous and weakly magnetic. Trace disseminated fine grained native copper throughout interval. 126.30-127.30: broken core 127.60-128.00: fractured and broken core 129.05-129.70: broken and fractured core Lower contact is sharp at 80°to c/a.											
134.52	138.00	**PYROXENE PHYRIC BASALT** Grey-green, fine grained basalt with 30% pyroxene phenocrysts. Pyroxene phenocrysts are partially altered to epidote +/- chlorite. 10% analcite filled amygdules in interval partially altered to a tan-brown material along edges and centres of analcite. 134.52-136.22: pyroxene phyric basalt fragments, fragment supported, abundant calcite cement throughout Lower contact sharp but irregular at 40° to c/a.											
138.00	139.37	**DEBRIS FLOW** Angular to subrounded analcite basalt fragments set in a sandy maroon matrix. Interval is matrix supported. Trace disseminated fine grained pyrite in calcareous matrix. Lower contact is gradational into pyroxene phyric basalt.											

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
139.37	144.30	**PYROXENE PHYRIC BASALT** Green-grey, fine grained basalt with 30% pyroxene phenocrysts and 4% analcite filled amygdules. Trace disseminated very fine grained pyrite and bornite?.											
144.30	146.80	**ANALCITE BASALT** Analcite filled amygdules range from <1mm to 1cm in diameter and are rounded to irregular in shape. Glomerocumulate zones of amygdules are up to 20cm thick. Basalt is fine grained and green-grey in colour. Minor calcite filled fractures up to 2cm wide at 10° to 25° to c/a.											
146.80	149.60	**MONOLITHIC VOLCANIC BRECCIA** Angular, analcite filled amygdaloidal basalt fragments, fragment supported, fragments set in a calcite cement.											
149.60	156.48	**SANDSTONE** Maroon, light grey layered sandstone. Layering at 80° to c/a. Interval is calcareous and non-magnetic. Trace disseminated fine grained pyrite throughout interval. 151.70-153.51: debris flow containing large (>20cm in size) angular pyroxene-analcite basalt fragments set in a sandy maroon calcareous matrix 156.04-156.48: debris flow at base of interval, as described above Lower contact irregular but sharp at 30° to c/a.											
156.48	163.62	**PYROXENE PHYRIC BASALT** Grey-green, fine grained basalt with 8% pyroxene phenocrysts throughout interval. 1% to 2% disseminated fine grained pyrite and trace disseminated very fine grained native copper. 159.50-159.70: flow breccia healed with calcite cement 161.30-162.20: flow breccia, as above Lower contact sharp but irregular at 60° to c/a.											
163.62	165.22	**SANDSTONE** Maroon to light grey well layered sandstone with layering at 55° to c/a. Interval is moderately calcareous and variably magnetic, darker bands are weakly to moderately magnetic. 1% to 2% disseminated very fine grained pyrite throughout. 164.53-165.22: debris flow with large analcite-pyroxene basalt fragments set in maroon sandy-silty matrix. Lower contact is gradational into pyroxene phyric basalt.											

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
165.22	166.71	**PYROXENE PHYRIC BASALT** Green-grey, fine grained basalt with pyroxene phenocrysts ranging from 2 to 3mm with some up to 4mm. Pyroxene phenocrysts make up 5% of rock. Trace disseminated fine grained native copper also stringers in quartz-carbonate veinlets and possibly <1% very fine grained chalcopyrite spatially associated with pyroxene phenocrysts.	Trace diss. very fine grained chalcopyrite										
166.71	169.94	**POLYLITHIC VOLCANIC BRECCIA** Angular to ragged pyroxene phyric basalt, plagioclase phyric basalt and minor analcite basalt fragments to 15cm in size set in calcite cement. Plagioclase phenocrysts are altered to calcite. Trace disseminated very fine grained pyrite within fragments.											
169.94	177.46	**ANALCITE BASALT** Grey-green, fine grained basalt with 25% analcite filled amygdules. Analcite amygdules are rounded to oval to irregular in shape and are up to 1.5cm in size. There is a fining upwards in amygdule size at 171.68m. Some analcite filled amygdules are weakly chloritized. Trace disseminated very fine grained native copper throughout interval. At 171.48m 4cm thick fault gouge at 80° to c/a. Lower contact gradational into pyroxene phyric basalt.											
177.46	180.81	**PYROXENE PHYRIC BASALT** Maroon, green-grey fine grained basalt with 8% to 10% pyroxene phenocrysts. Pyroxene phenocrysts are weakly epidote altered. 180.00-180.81: flow breccia with pyroxene phyric basalt and analcite basalt fragments with calcite cement											
180.81	186.50	**ANALCITE BASALT** Green-grey fine grained basalt with analcite filled amygdules making up 25% of rock. Analcite amygdules range up to 0.5cm in size. Pyroxene phenocrysts make 10% of rock. Minor calcite veinlets throughout interval. Last 184.00-186.50m of interval is brecciated with abundant calcite cement.											
186.50	189.66	**PYROXENE PHYRIC BASALT** Pyroxene phenocrysts make up 30% of rock and are set in a green-grey fine grained groundmass. Pyroxene phenocrysts are up to 0.4cm and are partially altered to epidote and a tan-brown alteration material, possibly a mix of hematite-calcite. Minor 10 to 30cm thick breccia zones infilled with calcite as at 187.30 to 187.60m. Trace very fine grained native copper in interval.											

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
189.66	192.46	**ANALCITE BASALT** 20% analcite filled amygdules in a green-grey fine grained basalt along with 10% pyroxene phenocrysts. Local 30cm to 40cm thick zones of coarse >1cm oval shaped amygdules infilled with analcite. Crude alignment of amygdules at 45° to c/a.											
192.46	194.80	**POLYLITHIC VOLCANIC BRECCIA** Angular pyroxene phyric and amydaloidal (analcite) fragments (fragment supported) set in a wispy calcite cement. Lower contact sharp at 30° to c/a.											
194.80	196.05	**PYROXENE PHYRIC BASALT** Aphanitic grey-green basalt with 3% to 5% disseminated 1mm to 3mm pyroxene phenocrysts. Trace disseminated fine grained sulphide throughout interval. 195.08-195.50: fine (1mm to 2mm diameter) analcite/plagioclase filled amydgules with pyroxene phenocrysts Lower contact (undulating) at 85° to c/a.											
196.05	200.80	**ANALCITE BASALT** As described at 189.66-192.46m. 199.60-200.80: flow breccia Lower contact at 60° to c/a.											
200.80	202.60	**SANDSTONE/DEBRIS FLOW** Fine to medium grained maroon to grey bedded sandstone. Layering is undulating and ranges from 40° to 80° to c/a. 201.50-202.50: debris flow, large angular to subangular pyroxene phyric and analcite basalt blocks set in a maroon fine grained silty matrix. Matrix supported. Grades to smaller blocks, more tightly spaced towards base of interval. Interval appears to grade into crystal lithic lapilli tuff. Abundant calcite veinlets and cement.											
202.60	204.15	**CRYSTAL LITHIC LAPILLI TUFF** Pyroxene (partially epidote altered), plagioclase (calcite altered/replaced), analcite, magnetite and hematite altered magnetite broken and rounded crystals set in a grey-green-white-maroon fine grained matrix. Lithic fragments are angular pieces of analcite and pyroxene phyric basalt ranging in size up to 1.5cm.											
204.15	205.70	**PYROXENE PHYRIC BASALT** <2mm to 5mm coarse partially epidote-chlorite altered pyroxene phenocrysts set in an aphanitic green-grey matrix. Irregular <1mm wide calcite veinlets throughout interval. Minor (<2%) analcite filled amygdules interspersed throughout.											

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
205.70	207.00	**CRYSTAL LITHIC LAPILLI TUFF** As described at 202.60-204.15m. Unit appears to grade into pyroxene phyric basalt at base.											
207.00	208.82	**PYROXENE PHYRIC BASALT** As described at 204.15-205.70m. Minor increase in analcite filled amygdules between 206.00 and 207.00m.											
208.82	210.30	**POLYLITHIC VOLCANIC BRECCIA** Angular pyroxene phyric and analcite basalt fragments to 3cm set in a mottled maroon-white calcareous matrix. Unit is fragment supported.											
210.30	211.96	**PYROXENE PHYRIC BASALT** Coarse (up to 5mm) pyroxene phenocrysts set in a mottled green-grey-maroon fine gained matrix.											
211.96	221.21	**SANDSTONE/DEBRIS FLOW** Intermixed interval. 211.96-213.05: sandstone, medium maroon to light grey, layering at 40° to c/a, 1cm thick band of ragged pyroxene, magnetite, plagioclase crystals, graded bedding indicate tops are uphole 213.05-214.10: debris flow, angular pyroxene/analcite basalt fragments to 23cm, matrix (sandstone) supported 214.10-215.21: sandstone, darker maroon in colour, 3mm to 4mm thick black magnetite rich layers at 70° to c/a 215.21-215.76: debris flow, large 45cm pyroxene phyric basalt fragment set in sandy dark maroon matrix 215.76-221.21: sandstone, bottom 40cm is volcanic breccia, sandstone matrix, calcite veinlets throughout lower part of interval at 10° to parallel to c/a. At 216.10m, sandstone is becoming non-calcareous to bottom of interval. Interval is weakly magnetic and moderately magnetic near base. Lower contact 80° to c/a.											
221.21	229.26	**POLYLITHIC VOLCANIC BRECCIA** Angular pyroxene phyric and analcite basalt fragments to 15cm in size with abundant calcite cement. Interval is fragment supported and weakly magnetic. Trace disseminated, spotty native copper.	Native Cu along fractures, spotty native Cu										

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
229.26	230.36	**PYROXENE PHYRIC BASALT** Pyroxene (8%), analcite (3%) and trace plagioclase phenocrysts set in a green-grey fine grained basalt. Trace disseminated fine grained pyrite throughout. Interval is moderately magnetic.											
230.36	231.06	**POLYLITHIC VOLCANIC BRECCIA** As described at 221.21 to 229.26m, abundant calcite cement, smaller (<1mm to 3mm) angular fragments in matrix. Lower contact sharp at 85° to c/a.											
231.06	231.98	**PYROXENE PHYRIC BASALT** Euhedral to subhedral black to grass green pyroxene phenocrysts make up 8% of rock. Analcite filled amygdules make up 6% of the rock. Groundmass is green-grey and fine grained with wispy calcite veinlets in 10cm to 15cm thick intervals. Magnetite grains are partly to totally altered to hematite.											
231.98	233.16	**SANDSTONE** Maroon, light grey banded sandstone. 232.76-233.16: reworked zone with coarse pyroxene phyric basalt 232.20: crossbedding in sandstone Layering at 85° to c/a. Lower contact at 80° to c/a.											
233.16	233.79	**PYROXENE PHYRIC BASALT** Coarse pyroxene phenocrysts make up 30% of rock, irregular, calcite altered plagioclase phenocrysts make up 8%. Lower contact at 75° to c/a.											
233.79	234.83	**SANDSTONE** Medium to fine grained maroon sandstone. Layering at 75° to c/a.											
234.83	236.14	**PYROXENE PHYRIC BASALT** Pyroxene phenocrysts make up 15% of rock, irregular analcite filled amygdules make up 5%. 235.08-235.54: internal breccia with abundant calcite cement											

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
236.14	240.48	**SANDSTONE** Dark maroon with lighter calcareous bands. Layering at 80° to c/a. 237.56-240.48: extensive reworked zone of pyroxene phyric basalt fragments with sandstone/siltstone matrix											
240.48	248.96	**ANALCITE BASALT** Variable sized analcite filled amgydules make up 15% of rock set in a green-grey, fine grained groundmass. Most amygdules range from 3mm to 4mm with layered zones up to 2cm thick. Implied layering at 246.78m at 75° to c/a. Pyroxene phenocrysts make up to 8% of rock. Trace disseminated very fine grained pyrite and native copper throughout interval, locally up to 1%.	Trace diss. very fine grained pyrite and native Cu										
248.96	252.00	**POLYLITHIC VOLCANIC BRECCIA** Analcite and pyroxene phyric basalt fragments to 10cm in size. Most fragments are smaller. Interval is fragment supported. Locally, as at 249.10-250.00m, <1% disseminated native copper in pyroxene phyric fragments. Abundant wispy calcite cement throughout interval. Lower contact at 70° to c/a.	Trace native Cu in fragments										
252.00	252.37	**PYROXENE PHYRIC BASALT** Green-grey, fine grained groundmass with fine euhedral black to weakly epidote altered pyroxene phenocrysts which make up 30% of the rock. Analcite filled amygdules (up to 1cm in diameter) make up 10%. Locally, magnetite phenocrysts are replaced by hematite.											
	252.37	**END OF HOLE**											

Crest Geological

Property: **Rim**
Core Size: NQ

GEOTECHNICAL DATA SHEET

Client: *phelps dodge Corp. of Canada, Lt*
Drill Nole No.: **RP02-01**
Date: December 15,2002

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	10.90	10.90					O/B
10.90	11.58	0.68	0.64	94.12	0.00	0.00	
11.58	14.63	3.05	3.05	100.00	1.50	49.18	
14.63	17.68	3.05	3.05	100.00	1.59	52.13	
17.68	20.73	3.05	2.92	95.74	1.08	35.41	
20.73	23.77	3.04	2.99	98.36	2.34	76.97	
23.77	26.82	3.05	3.03	99.34	1.82	59.67	
26.82	29.87	3.05	3.05	100.00	2.30	75.41	
29.87	32.92	3.05	3.05	100.00	1.52	49.84	
32.92	35.97	3.05	3.05	100.00	1.61	52.79	
35.97	39.01	3.04	2.92	96.05	1.89	62.17	
39.01	42.06	3.05	3.01	98.69	0.84	27.54	
42.06	45.11	3.05	2.17	71.15	0.71	23.28	
45.11	48.16	3.05	3.01	98.69	2.77	90.82	
48.16	51.20	3.04	2.96	97.37	2.34	76.97	
51.20	54.25	3.05	3.01	98.69	2.31	75.74	
54.25	57.30	3.05	2.98	97.70	1.80	59.02	
57.30	60.35	3.05	2.96	97.05	2.87	94.10	
60.35	63.40	3.05	3.05	100.00	2.89	94.75	
63.40	66.45	3.05	3.05	100.00	2.95	96.72	
66.45	69.49	3.04	3.05	100.33	3.01	99.01	
69.49	72.54	3.05	3.01	98.69	1.42	46.56	
72.54	75.59	3.05	3.05	100.00	2.73	89.51	
75.59	78.64	3.05	3.05	100.00	3.04	99.67	
78.64	81.69	3.05	3.05	100.00	2.83	92.79	
81.69	84.73	3.04	3.01	99.01	2.88	94.74	
84.73	87.78	3.05	3.04	99.67	2.53	82.95	
87.78	90.83	3.05	3.05	100.00	2.81	92.13	
90.83	93.88	3.05	3.05	100.00	2.89	94.75	
93.88	96.93	3.05	3.05	100.00	2.61	85.57	
96.93	99.97	3.04	2.98	98.03	2.73	89.80	
99.97	103.02	3.05	3.05	100.00	2.68	87.87	
103.02	106.07	3.05	3.01	98.69	2.79	91.48	
106.07	109.12	3.05	3.05	100.00	2.67	87.54	
109.12	112.17	3.05	3.01	98.69	2.71	88.85	
112.17	115.21	3.04	3.03	99.67	3.00	98.68	
115.21	118.26	3.05	3.05	100.00	2.84	93.11	
118.26	121.31	3.05	3.05	100.00	2.92	95.74	
121.31	124.36	3.05	3.05	100.00	2.50	81.97	
124.36	127.41	3.05	2.92	95.74	1.30	42.62	
127.41	130.45	3.04	2.87	94.41	1.10	36.18	
130.45	133.50	3.05	2.89	94.75	2.18	71.48	
133.50	136.55	3.05	3.05	100.00	2.96	97.05	
136.55	139.60	3.05	3.05	100.00	2.52	82.62	
139.60	142.65	3.05	3.05	100.00	0.81	26.56	
142.65	145.69	3.04	2.97	97.70	1.48	48.68	
145.69	148.74	3.05	3.02	99.02	2.46	80.66	
148.74	151.79	3.05	3.03	99.34	2.64	86.56	
151.79	154.84	3.05	3.05	100.00	2.72	89.18	
154.84	157.89	3.05	3.05	100.00	3.04	99.67	
157.89	160.93	3.04	2.76	90.79	2.35	77.30	
160.93	163.98	3.05	2.98	97.70	1.85	60.66	
163.98	167.03	3.05	3.05	100.00	2.81	92.13	
167.03	170.08	3.05	3.05	100.00	2.49	81.64	
170.08	173.13	3.05	2.93	96.07	2.21	72.46	
173.13	176.17	3.04	3.05	100.33	2.25	74.01	
176.17	179.22	3.05	2.89	94.75	1.92	62.95	
179.22	182.27	3.05	2.97	97.38	2.70	88.52	
182.27	185.32	3.05	3.05	100.00	2.72	89.18	
185.32	188.37	3.05	3.05	100.00	2.81	92.13	
188.37	191.41	3.04	3.05	100.33	2.86	94.08	
191.41	194.46	3.05	2.90	95.08	2.46	80.66	
194.46	197.51	3.05	3.02	99.02	2.33	76.39	
197.51	200.56	3.05	3.02	99.02	2.71	88.85	
200.56	203.61	3.05	3.05	100.00	3.01	98.69	
203.61	206.65	3.04	3.03	99.67	2.60	85.53	
206.65	209.70	3.05	3.05	100.00	2.61	85.57	
209.70	212.75	3.05	3.05	100.00	2.24	73.44	
212.75	215.80	3.05	3.02	99.02	2.69	88.20	
215.80	218.85	3.05	3.04	99.67	1.93	63.28	
218.85	221.89	3.04	3.01	99.01	2.01	66.12	
221.89	224.94	3.05	3.05	100.00	2.51	82.30	
224.94	227.99	3.05	3.05	100.00	2.46	80.66	
227.99	231.04	3.05	3.05	100.00	2.45	80.33	
231.04	234.09	3.05	3.05	100.00	2.72	89.18	
234.09	237.13	3.04	2.99	98.36	2.58	84.87	
237.13	240.18	3.05	3.05	100.00	2.66	87.21	
240.18	243.23	3.05	2.96	97.05	2.75	90.16	
243.23	246.28	3.05	3.05	100.00	2.83	92.79	
246.28	249.33	3.05	3.02	99.02	2.76	90.49	
249.33	252.37	3.04	3.01	99.01	2.77	91.12	EOH

phelps dodge Corporation of Canada, Limited

DOT COM PROJECT RP02-02

DRILL HOLE RECORD

HOLE NO:	RP02-02	**BEARING:**	239°	**CORE SIZE:**	NQ	**STARTED:**	December 15/02
PROPERTY:	Rim	**DIP:**	-80°	**CASING:**	10.90m (pulled)	**COMPLETED:**	December 17/02
LOCATION:	Bird Drop Showing Area	**NORTHING:**	5800986 (NAD 83)	**LENGTH:**	148.74m	**DRILL CO:**	Phil's Drilling Ltd.
NTS:	93 A/033	**EASTING:**	601235 (NAD 83)			**LOGGED BY:**	C. Payne
CLAIM:	PD 1	**ELEVATION:**	862m ASL				

SUMMARY LOG:

From (m)	To (m)	Description
0.00	10.90	OVERBURDEN
10.90	48.34	POLYLITHIC FELSIC BRECCIA
48.34	52.63	DEBRIS FLOW
52.63	55.36	SANDSTONE
55.36	59.73	POLYLITHIC VOLCANIC BRECCIA
59.73	62.82	SILTSTONE/SANDSTONE
62.82	70.20	CRYSTAL LITHIC LAPILLI TUFF
70.20	82.00	PYROXENE PHYRIC BASALT
82.00	83.30	SANDSTONE
83.30	93.15	PLAGIOCLASE PHYRIC BASALT
93.15	93.73	SANDSTONE
93.73	142.24	ANALCITE BASALT
142.24	144.65	PYROXENE PHYRIC BASALT
144.65	146.17	DEBRIS FLOW
146.17	148.74	CRYSTAL LITHIC TUFF
	148.74	END OF HOLE

CORE BOXES:

Box	Interval (m)	Box	Interval (m)	Box	Interval (m)	Box	Interval (m)	Box	Interval (m)
1	10.90-16.95	18	103.02-108.72						
2	16.95-22.12	19	108.72-114.43						
3	22.12-27.25	20	114.43-120.05						
4	27.25-32.15	21	120.05-125.70						
5	32.15-37.25	22	125.70-131.32						
6	37.25-42.06	23	131.32-137.02						
7	42.06-47.60	24	137.02-142.74						
8	47.60-53.07	25	142.74-148.74						
9	53.07-58.15								
10	58.15-63.40								
11	63.40-69.00								
12	69.00-74.90								
13	74.90-80.40								
14	80.40-85.95								
15	85.95-91.43								
16	91.43-97.21								
17	97.21-103.02								

COMMENTS:

Hole designed to test down dip continuity of Cu mineralization discovered in Trench 7 (0.157% Cu), IP chargeability anomaly, VLF-EM conductive zone and magnetic low.

DIP TESTS:

INSTRUMENT: 30mm Etch Tube, 6% HF

Depth (m)	DIP(uncorr)	DIP(corr)	AZIMUTH	Depth (m)	DIP(uncorr)	DIP(corr)	AZIMUTH
148.74	-83°	-80°	239°				

From (m)	To (m)	Description	Mineralization
0.00	10.90	**OVERBURDEN**	
10.90	48.34	**POLYLITHIC FELSIC BRECCIA** 10.90-42.10: Rounded to angular fragments ranging in size from <1mm to 30cm. Interval is mostly clast supported. Fragment types are dominantly pyroxene phyric basalt, analcite basalt, maroon fine grained volcanic, maroon analcite basalt, hornblende phyric basalt, diorite (18cm subangular fragment), leucocratic fine grained intrusive rock, minor orange fine grained hornblende monzonite. Matrix is maroon fine grained material with local smaller angular clasts giving the matrix a lapilli tuff appearance. At 37.70m native copper along fractures for 10cm. 42.10-45.63: fragment supported (fine grained, green-grey), angular clasts 45.63-46.26: matrix supported angular to subrounded clasts set in maroon silty matrix 46.26-48.34: fragment supported interval with a fine grained, grey-green matrix Lower contact is at 55° to c/a.	Native Cu along fractures
48.34	52.63	**DEBRIS FLOW** Matrix supported debris flow with a maroon sandy-silty matrix which looks like a lithic tuffaceous matrix. Rounded to subangular fragments which are dominantly pyroxene phyric basalt, analcite basalt, two fragments of leucocratic intrusive rock which range in size from 1cm to 2cm. Abundant, smaller angular to rounded fragments in matrix. 1% to 2% disseminated very fine grained pyrite throughout interval. Lower contact is sharp at 90° to c/a.	1% to 2% diss. fine grained pyrite
52.63	55.36	**SANDSTONE** Medium to light maroon coloured layered sandstone which is moderately to strongly calcareous. Layering at 90° to c/a. 53.20-53.50: <1cm diameter volcanic pebbles which are set in a matrix supported sandy material Lower contact is at 20° to c/a.	
55.36	59.73	**POLYLITHIC VOLCANIC BRECCIA** Mostly volcanic fragments set in a calcite matrix. Fragments range up to 13cm in size, some exhibiting a weak chlorite-epidote alteration. Pyroxene phenocrysts are locally altered to epidote. Interval is matrix supported. Lower contact is at 65° to c/a.	

Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
13221	10.90	13.00	2.10	127.2	5.1	70	0.1	5.55	2.8
13222	13.00	15.00	2.00	232.7	4.8	78	0.1	5.60	2.2
13223	15.00	17.00	2.00	65.8	5.3	80	0.1	6.11	1.5
13224	17.00	19.00	2.00	117.1	5.5	71	0.1	6.08	3.6
13225	19.00	21.00	2.00	560.8	5.3	74	0.2	5.75	3.4
13226	21.00	23.00	2.00	80.6	5.0	71	0.1	5.45	2.6
13227	23.00	25.00	2.00	63.2	5.4	73	0.1	5.39	3.0
13228	25.00	27.00	2.00	59.1	5.1	67	0.1	5.12	4.3
13229	27.00	29.00	2.00	112.6	4.6	71	0.1	4.84	4.7
13230	29.00	31.00	2.00	77.2	5.1	91	0.1	5.41	8.4
13231	31.00	33.00	2.00	88.9	4.5	73	0.1	5.07	4.6
13232	33.00	35.00	2.00	85.5	4.6	67	0.1	5.09	4.8
13233	35.00	37.00	2.00	57.1	5.1	81	0.1	5.59	2.7
13234	37.00	39.00	2.00	299.2	4.8	87	0.1	5.04	3.8
13235	39.00	41.00	2.00	86.5	4.7	69	0.1	5.00	4.1
13236	41.00	43.00	2.00	46.4	4.9	76	0.1	5.27	4.0
13237	43.00	45.00	2.00	43.7	5.3	73	0.1	5.73	4.7
13238	45.00	47.00	2.00	135.3	5.7	68	0.1	5.50	4.0
13239	47.00	49.00	2.00	177.1	4.9	77	0.1	5.20	4.7
13240	49.00	51.00	2.00	43.4	5.2	66	0.1	5.82	3.6
13241	51.00	53.00	2.00	57.8	4.7	62	0.1	5.28	4.1
13242	53.00	55.00	2.00	56.3	4.7	69	0.1	5.45	3.0
13243	55.00	57.00	2.00	120.0	4.7	65	0.1	5.65	3.2
13244	57.00	59.00	2.00	87.1	4.5	65	0.1	5.07	4.0
13245	59.00	61.00	2.00	74.5	4.8	59	0.1	5.32	0.9
13246	61.00	63.00	2.00	82.9	4.9	66	0.1	5.38	2.3
13247	63.00	65.00	2.00	82.0	4.1	60	0.1	4.90	4.7
13248	65.00	67.00	2.00	59.1	2.5	50	0.1	4.98	2.0
13249	67.00	69.00	2.00	158.1	1.0	52	0.1	4.35	2.8
13250	69.00	71.00	2.00	1032.4	1.9	50	0.1	4.50	2.2
13251	71.00	73.00	2.00	1032.2	4.4	53	0.1	5.25	6.1
13252	73.00	75.00	2.00	623.1	3.0	47	0.1	4.81	2.0
13253	75.00	77.00	2.00	336.3	2.5	52	0.1	5.02	3.1
13254	77.00	79.00	2.00	10.5	5.4	46	0.1	4.56	3.9
13255	79.00	81.00	2.00	13.4	2.1	43	0.1	4.11	2.1
13256	81.00	83.00	2.00	26.0	3.8	50	0.1	4.85	2.8
13257	83.00	85.00	2.00	13.0	4.7	51	0.1	4.71	6.0
13258	85.00	87.00	2.00	15.1	5.1	48	0.1	4.84	2.0
13259	87.00	89.00	2.00	18.8	5.3	54	0.1	4.89	1.8
13260	89.00	91.00	2.00	24.9	5.0	51	0.1	4.52	0.5
13261	91.00	93.00	2.00	18.0	4.4	58	0.1	4.38	1.1
13262	93.00	95.00	2.00	23.5	4.3	51	0.1	4.24	2.8
13263	95.00	97.00	2.00	15.4	4.0	55	0.1	4.50	1.3
13264	97.00	99.00	2.00	12.4	4.1	58	0.1	4.75	0.5
13265	99.00	101.00	2.00	17.3	5.3	63	0.1	5.18	3.8
13266	101.00	103.00	2.00	17.5	4.5	58	0.1	4.74	1.7

From (m)	To (m)	Description	Mineralization
59.73	62.82	**SILTSTONE/SANDSTONE** Maroon, grey to fine grained well layered unit with minor 2cm to 4cm thick coarse sandstone layers which look reworked with matrix supported angular to subrounded fragments to 1.5cm in size. At 61.08m graded bedding with tops indicated uphole. Interval is calcareous. 60.30-60.60: maroon siltstone horizon Layering at 62.70m is at 65° to c/a. Lower contact is sharp at 60° to c/a.	
62.82	70.20	**CRYSTAL LITHIC LAPILLI TUFF** Grey-green, medium grained, sandy looking rock enclosing angular fragments (up to 1cm) of analcite basalt. Matrix is calcareous. Crystals are pyroxene (epidote altered, range in size from <1mm to 2mm), plagioclase (lath to irregular in shape), analcite (fragments of crystals) and hematite altered magnetite. <1% to 1% disseminated very fine grained sulphide throughout groundmass, locally sulphides are up to 2%. Weak calcite veining throughout interval at 10° to 30° to c/a. 69.00-70.20: rubble/broken core 68.15: banded calcareous vein, 4mm thick at 30° to c/a Lower contact at 20° to c/a.	<1% to 1% diss. very fine grained pyrite
70.20	82.00	**PYROXENE PHYRIC BASALT** Green-grey, fine grained basalt with 20% euhedral pyroxene phenocrysts to 6mm in size. Locally, irregular to lath shaped plagioclase phenocrysts (3% of rock) to 3mm. Some plagioclase phenocrysts are wispy along edges due to calcite replacement. Weak bluish-green alteration to some of the plagioclase phenocrysts. <1% very fine grained disseminated sulphide throughout interval. 70.20-72.54: pyroxene phyric basalt flow breccia, fragment supported, abundant calcite cement throughout interval 71.57-71.83: minor, maroon sandstone interval, layering at 70° to c/a 76.93-80.42: maroon-green-grey pyroxene phyric basalt flow breccia, minor sandy matrix Lower contact sharp at 50° to c/a.	<1% diss. sulphides
82.00	83.30	**SANDSTONE** Layered, maroon-light grey-black. Interval is calcareous. 82.00-82.13: maroon siltstone 82.13-82.74: massive sandstone, layering at 70° to c/a 82.74-83.30: debris flow, pyroxene-plagioclase phyric basalt fragments set in a maroon sandstone matrix, matrix supported, debris flow Lower contact is gradational into plagioclase phyric basalt.	

Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
13267	103.00	105.00	2.00	24.5	3.8	54	0.1	4.49	0.5
13268	105.00	107.00	2.00	15.0	3.5	52	0.1	4.34	0.5
13269	107.00	109.00	2.00	16.3	3.4	53	0.1	4.25	0.5
13270	109.00	111.00	2.00	32.3	3.6	59	0.1	4.48	0.5
13271	111.00	113.00	2.00	347.2	3.9	66	0.1	4.67	1.8
13272	113.00	115.00	2.00	9.5	4.2	61	0.1	4.83	1.2
13273	115.00	117.00	2.00	12.3	4.2	63	0.1	4.89	4.1
13274	117.00	119.00	2.00	14.2	4.5	66	0.1	5.25	0.5
13275	119.00	121.00	2.00	26.4	4.1	54	0.1	4.78	1.3
13276	121.00	123.00	2.00	20.4	4.5	63	0.1	5.20	2.7
13277	123.00	125.00	2.00	20.7	5.7	73	0.1	4.75	1.9
13278	125.00	127.00	2.00	32.2	4.1	58	0.1	5.08	1.2
13279	127.00	129.00	2.00	20.3	3.8	64	0.1	4.83	0.8
13280	129.00	131.00	2.00	21.3	3.7	52	0.1	4.62	1.1
13281	131.00	133.00	2.00	24.1	3.7	58	0.1	4.71	0.5
13282	133.00	135.00	2.00	16.5	3.8	62	0.1	4.52	0.6
13283	135.00	137.00	2.00	16.8	4.3	66	0.1	5.65	2.2
13284	137.00	139.00	2.00	26.4	5.8	61	0.1	5.58	2.5
13285	139.00	141.00	2.00	1131.4	4.6	70	0.1	5.73	5.3
13286	141.00	143.00	2.00	21.0	4.3	62	0.1	5.21	1.3
13287	143.00	145.00	2.00	20.6	2.9	63	0.1	4.86	4.8
13288	145.00	147.00	2.00	13.3	4.3	62	0.1	5.05	1.3
13289	147.00	148.74	1.74	11.9	1.9	51	0.1	4.49	1.4

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
83.30	93.15	**PLAGIOCLASE PHYRIC BASALT** Plagioclase phenocrysts make up 8% of rock, pyroxene phenocrysts 5%, and analcite filled amygdules 1% to 2% all set in a fine grained, green-grey groundmass. Local cumulate zones of plagioclase phenocrysts making up to 30% of rock. Euhedral pyroxene phenocrysts are grass green and up to 2mm in size. Analcite is irregular and locally wispy in shape, partly altered to tan-pink material. Weak calcite veinlets throughout interval. At 92.10m there is a weak alignment of analcite filled amygdules at 50° to c/a. Trace disseminated fine grained sulphide throughout interval. Lower contact is 90° to c/a.	Trace diss. fine grained sulphide										
93.15	93.73	**SANDSTONE** Light maroon, fine to medium grained calcareous interval. No visible sulphides. Lower contact at 70° to c/a.											
93.73	142.24	**ANALCITE BASALT** Medium green-grey, fine grained basalt with variable sized analcite filled amygdules making up 35% of rock. Throughout interval pyroxene + plagioclase range in size from <1mm to 2mm and are also in matrix giving the matrix a felty texture. Pyroxene phenocrysts range from green to black in colour. Hematite altered varieties are an earthy brown colour. Pyroxene makes up to 15% of the rock. Rock is weakly calcareous. Analcite filled amygdules are up to 2cm in size and are generally ovoid to irregular in shape. Locally there are host rock inclusions within analcite amygdules, also some wispy to layered blue-green alteration of analcite. 15cm to 20cm thick cumulate zones of analcite within unit as at 102.00m, 104.20m, 107.00m and 108.65m. Throughout interval are 15cm to 30cm autobrecciated zones infilled with calcite cement. Locally analcite filled amygdules exhibit gradational zoning in amygdule size. 109.80: crude alignment of analcite filled amygdules at 60° to c/a 117.50-119.03 and 124.76-126.20: maroon breccia zones, fragment supported and cemented with calcite 125.71-125.50: blocky, broken core 128.25: shear/gouge zone, 4cm thick, shear zone at 10° to c/a Lower contact at 60° to c/a.											
142.24	144.65	**PYROXENE PHYRIC BASALT** Partially epidote +\- chlorite altered pyroxene phenocrysts to 5mm in size make up 25% of the rock. Pyroxene phenocrysts are set in a fine grained grey-green matrix. Minor calcite altered plagioclase and analcite throughout interval. Interval is non-calcareous and moderately magnetic. 143.74-144.65: maroon autobrecciated zone with abundant calcite cement											

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
144.65	146.17	**DEBRIS FLOW** Large angular pyroxene phyric basalt blocks are suspended in a maroon sandstone matrix. Fragments are up to 20cm in size. Coarse pyroxene phenocrysts are grass green in colour and make up 10% to 15% of the rock. Layering, where visible in sandstone groundmass appears to flow around fragments. Groundmass is strongly calcareous. Both upper and lower contacts are gradational into surrounding lithologies.											
146.17	148.74	**CRYSTAL LITHIC TUFF** Pyroxene, plagioclase and broken, ragged analcite crystals are set in a mottled maroon-green calcareous matrix. Minor lapilli fragments (maroon plagioclase phyric) in matrix. Weak, irregular calcite veinlets throughout interval. Veinlets are up to 2mm wide and range from 40° to 60° to c/a. Interval is moderately magnetic which suggests magnetite grains in groundmass. <1% to 1% disseminated fine grained pyrite throughout interval.	<1% to 1% diss. very fine grained pyrite										
	148.74	**END OF HOLE**											

Crest Geological

Property: Rim
Core Size: NQ

GEOTECHNICAL DATA SHEET

Client: phelps dodge Corp. of Canada, Lt
Drill Nole No.: RP02-02
Date: December 17,2002

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	10.90	10.90					O/B	142.65	145.69	3.04	3.01	99.01	2.66	87.50	
10.90	11.58	0.68	0.65	95.59	0.44	64.71		145.69	148.74	3.05	2.84	93.11	2.45	80.33	EOH
11.58	14.63	3.05	2.66	87.21	0.90	29.51									
14.63	17.68	3.05	2.67	87.54	1.04	34.10									
17.68	20.73	3.05	2.96	97.05	1.33	43.61									
20.73	23.77	3.04	3.05	100.33	1.23	40.46									
23.77	26.82	3.05	3.05	100.00	2.27	74.43									
26.82	29.87	3.05	3.05	100.00	0.88	28.85									
29.87	32.92	3.05	3.05	100.00	1.09	35.74									
32.92	35.97	3.05	2.89	94.75	1.65	54.10									
35.97	39.01	3.04	3.05	100.33	0.66	21.71									
39.01	42.06	3.05	3.05	100.00	1.33	43.61									
42.06	45.11	3.05	3.00	98.36	2.44	80.00									
45.11	48.16	3.05	3.02	99.02	2.15	70.49									
48.16	51.20	3.04	3.05	100.33	2.65	87.17									
51.20	54.25	3.05	3.05	100.00	1.73	56.72									
54.25	57.30	3.05	3.05	100.00	1.88	61.64									
57.30	60.35	3.05	2.16	70.82	1.44	47.21									
60.35	63.40	3.05	3.03	99.34	1.35	44.26									
63.40	66.45	3.05	3.05	100.00	2.63	86.23									
66.45	69.49	3.04	3.03	99.67	1.21	39.80									
69.49	72.54	3.05	2.38	78.03	1.38	45.25									
72.54	75.59	3.05	3.05	100.00	2.03	66.56									
75.59	78.64	3.05	2.97	97.38	2.12	69.51									
78.64	81.69	3.05	3.02	99.02	2.54	83.28									
81.69	84.73	3.04	2.94	96.71	2.33	76.64									
84.73	87.78	3.05	3.03	99.34	2.55	83.61									
87.78	90.83	3.05	2.98	97.70	2.37	77.70									
90.83	93.88	3.05	2.97	97.38	2.88	94.43									
93.88	96.93	3.05	3.03	99.34	2.93	96.07									
96.93	99.97	3.04	3.05	100.33	3.04	100.00									
99.97	103.02	3.05	3.05	100.00	2.75	90.16									
103.02	106.07	3.05	3.04	99.67	2.95	96.72									
106.07	109.12	3.05	3.03	99.34	2.88	94.43									
109.12	112.17	3.05	3.01	98.69	2.95	96.72									
112.17	115.21	3.04	3.02	99.34	2.89	95.07									
115.21	118.26	3.05	3.04	99.67	3.01	98.69									
118.26	121.31	3.05	3.05	100.00	3.00	98.36									
121.31	124.36	3.05	3.05	100.00	2.54	83.28									
124.36	127.41	3.05	3.01	98.69	1.76	57.70									
127.41	130.45	3.04	3.05	100.33	2.32	76.32									
130.45	133.50	3.05	3.05	100.00	2.87	94.10									
133.50	136.55	3.05	3.05	100.00	2.84	93.11									
136.55	139.60	3.05	3.03	99.34	2.93	96.07									
139.60	142.65	3.05	3.02	99.02	2.85	93.44									

phelps dodge
Corporation of Canada, Limited

DOT COM PROJECT RP02-03

DRILL HOLE RECORD

HOLE NO:	RP02-03	**BEARING:**	260°	**CORE SIZE:**	NQ	**STARTED:**	December 18/02
PROPERTY:	Rim	**DIP:**	-80°	**CASING:**	12.50m (pulled)	**COMPLETED:**	December 19/02
LOCATION:	Bird Drop Showing Area	**NORTHING:**	5801243 (NAD 83)	**LENGTH:**	99.97m	**DRILL CO:**	Phil's Drilling Ltd.
NTS:	93 A/033	**EASTING:**	601015 (NAD 83)			**LOGGED BY:**	C. Payne
CLAIM:	PD 1	**ELEVATION:**	837m ASL				

SUMMARY LOG:

From (m)	To (m)	Description
0.00	32.92	OVERBURDEN
32.92	33.32	SANDSTONE/SILTSTONE
33.32	49.85	CRYSTAL LITHIC TUFF
49.85	50.46	MONOLITHIC VOLCANIC BRECCIA
50.46	50.53	FAULT
50.53	58.63	PYROXENE PHYRIC BASALT
58.63	64.08	FAULT
64.08	66.83	PYROXENE PHYRIC BASALT
66.83	67.09	DEBRIS FLOW
67.09	67.95	MONOLITHIC VOLCANIC BRECCIA
67.95	70.97	ANALCITE BASALT
70.97	74.20	PYROXENE PHYRIC BASALT
74.20	91.69	ANALCITE BASALT
91.69	95.14	FAULT
95.14	96.00	PYROXENE PHYRIC BASALT
96.00	97.09	SANDSTONE/DEBRIS FLOW
97.09	99.97	ANALCITE BASALT; 99.97: END OF HOLE

CORE BOXES:

Box	Interval (m)	Box	Interval (m)	Box	Interval (m)	Box	Interval (m)	Box	Interval (m)
1	11.28-34.10								
2	34.10-40.00								
3	40.00-45.11								
4	45.11-50.96								
5	50.96-56.33								
6	56.33-61.12								
7	61.12-66.55								
8	66.55-71.80								
9	71.80-77.07								
10	77.07-81.87								
11	81.87-87.24								
12	87.24-92.82								
13	92.82-97.97								
14	97.97-99.97								

COMMENTS:

Hole designed to test the down dip extension of the Bird Drop Showing. Due to excessive overburden and faulting the target was not intersected.

DIP TESTS:

INSTRUMENT: 30mm Etch Tube, 6% HF

Depth (m)	DIP(uncorr)	DIP(corr)	AZIMUTH	Depth (m)	DIP(uncorr)	DIP(corr)	AZIMUTH
96.93m	-82°	-78.5°	260°				

From (m)	To (m)	Description	Mineralization
0.00	32.92	**OVERBURDEN** Casing to 12.5m, Tertiary gravels cut from 20.73m to 29.87m. Bedrock has gradational contact from basal till.	
32.92	33.32	**SANDSTONE/SILTSTONE** Maroon to light grey, poorly defined layering and interval is calcareous. 32.92-33.30: maroon, siltstone 33.30-33.32: sandstone Weak, irregular calcite veinlets throughout interval ranging from 2mm to 3mm in width. Veinlets are at 20° to c/a. Layering at 90° to c/a. Trace disseminated fine grained pyrite throughout interval. Lower contact is sharp at 90° to c/a.	Trace diss. fine grained pyrite
33.32	49.85	**CRYSTAL LITHIC TUFF** This interval of rock is moderately soft consisting of broken/blocky core. Rock is weakly calcareous. Crystals of broken pyroxene, plagioclase, analcite and magnetite are dispersed through a weakly epidote-chlorite altered fine to medium grained matrix. Magnetite is altered to earthy hematite and ilmanite. Moderately abundant 1mm to 3mm thick calcite veinlets throughout interval at 20° to 30° to c/a. Minor intervals of lapilli fragments. Trace disseminated fine grained pyrite throughout matrix. 36.70: 20cm wide fault gouge and broken core 44.00-48.00: blocky-broken core 48.02-48.16: maroon-grey fault gouge at 60° to c/a 48.40-48.88: medium to coarse grained crystal lithic tuff Lower contact sharp at 30° to c/a.	Trace diss. fine grained pyrite
49.85	50.46	**MONOLITHIC VOLCANIC BRECCIA** Green-grey, maroon angular to subrounded analcite basalt fragments set in a fine grained matrix. Breccia is fragment supported with fragments up to 4cm in size. Moderate calcite cement throughout interval. Weak calcite veinlets at 25° to c/a. Lower contact sharp at 70° to c/a.	
50.46	50.53	**FAULT** Maroon clay rich gouge. Lower contact lost in blocky core.	

Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
13290	20.73	29.87	9.14	64.2	5.3	68	0.1	3.48	24.6
13291	29.87	34.00	4.13	94.4	5.6	65	0.1	5.12	1.6
13292	34.00	36.00	2.00	50.0	3.6	54	0.1	4.21	0.7
13293	36.00	38.00	2.00	42.5	2.6	48	0.1	3.87	0.5
13294	38.00	40.00	2.00	64.2	1.8	50	0.1	4.02	0.6
13295	40.00	42.00	2.00	78.5	2.0	50	0.1	3.87	0.5
13296	42.00	44.00	2.00	117.2	1.9	47	0.1	4.03	1.4
13297	44.00	46.00	2.00	120.9	1.9	58	0.1	4.15	2.1
13298	46.00	48.00	2.00	102.8	1.2	55	0.1	4.21	1.1
13299	48.00	50.00	2.00	46.0	2.8	57	0.1	4.36	0.7
13300	50.00	52.00	2.00	458.5	3.9	59	0.2	4.50	0.5
13301	52.00	54.00	2.00	25.3	4.5	65	0.1	4.90	3.4
13302	54.00	56.00	2.00	88.0	4.8	66	0.1	4.91	2.9
13303	56.00	58.00	2.00	41.5	5.6	77	0.1	5.75	2.0
13304	58.00	60.00	2.00	149.3	4.8	72	0.1	4.52	1.8
13305	60.00	62.00	2.00	131.0	4.1	62	0.1	3.60	0.8
13306	62.00	64.00	2.00	134.5	3.0	64	0.1	4.24	0.5
13307	64.00	66.00	2.00	37.8	1.6	62	0.1	5.02	0.7
13308	66.00	68.00	2.00	76.8	3.5	66	0.1	5.34	5.2
13309	68.00	70.00	2.00	107.8	3.9	70	0.1	5.14	3.3
13310	70.00	72.00	2.00	126.2	3.0	75	0.1	5.39	2.8
13311	72.00	74.00	2.00	140.4	3.4	69	0.2	5.33	3.4
13312	74.00	76.00	2.00	314.8	3.6	59	0.1	4.97	0.5
13313	76.00	78.00	2.00	60.4	3.2	61	0.1	5.37	0.5
13314	78.00	80.00	2.00	186.4	3.9	60	0.1	5.52	0.5
13315	80.00	82.00	2.00	36.1	4.1	67	0.1	5.36	0.5
13316	82.00	84.00	2.00	26.9	4.3	70	0.1	5.63	0.5
13317	84.00	86.00	2.00	759.3	4.3	59	0.1	4.81	0.5
13318	86.00	88.00	2.00	104.6	4.0	60	0.1	5.09	0.5
13319	88.00	90.00	2.00	28.1	4.1	62	0.1	5.45	0.5
13320	90.00	92.00	2.00	47.8	3.8	65	0.1	5.25	0.5
13321	92.00	94.00	2.00	27.6	2.5	20	0.1	2.72	0.5
13322	94.00	96.00	2.00	34.5	1.9	55	0.1	5.05	0.5
13323	96.00	98.00	2.00	27.8	5.5	60	0.1	5.05	1.2
13324	98.00	99.97	1.97	54.3	4.3	60	0.1	5.35	0.6

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
50.53	58.63	**PYROXENE PHYRIC BASALT** Medium green-grey, fine to medium grained pyroxene phyric basalt. Basalt is weakly to moderately calcareous and moderately magnetic. Pyroxene phenocrysts make up 10% of the rock. They are grass green in colour and weakly to moderately epidote altered. Some crystals are altered to earthy hematite. Local zones of pyroxene and analcite (cumulate) as at 54.25m to 54.40m and 57.30m to 57.55m. Core is blocky and broken.											
58.63	64.08	**FAULT** Broken, sheared, grey gouge. Shear surfaces have a white to green talcy banded coating. Some shears are filled with calcite. Shearing is at 5° to 10° to c/a. Calcite filled breccia matrix contains ground up dark grey sulphide rich gouge. Near bottom of interval, starting to pick up more chlorite alteration.											
64.08	66.83	**PYROXENE PHYRIC BASALT** Fine grained, green-grey matrix with 3mm euhedral to subhedral weakly epidote altered pyroxene phenocrysts making up 12% of rock. Some of the more altered crystals have ragged edges. Rock taking on a more mottled greenish colour in matrix due to increase in chlorite-epidote. Local areas, especially near bottom of interval, are calcareous. Trace to 1% disseminated fine grained pyrite throughout interval. Lower contact is irregular at 85° to c/a.	Trace to 1% diss. fine grained pyrite										
66.83	67.09	**DEBRIS FLOW** Angular to subangular pyroxene phyric basalt fragments to 5cm are set in a silty-sandy maroon, calcareous matrix. Weak calcite veinlets generally at 5° to c/a. Lower contact is sharp at 25° to c/a.											
67.09	67.95	**MONOLITHIC VOLCANIC BRECCIA** Pyroxene-plagioclase phyric basalt fragments set in a calcareous maroon matrix. Interval is fragment supported. One 4cm angular fragment is strongly epidote altered. Irregular, wispy calcite dispersed throughout interval.											
67.95	70.97	**ANALCITE BASALT** Medium grey, fine grained basalt with abundant 1mm to 3mm rounded to ovoid amygdules infilled with analcite. Some amygdules are stretched along stress fractures at 85° to c/a. Weak to moderate calcite veinlets throughout interval. Interval contains 1% to 2% disseminated and irregular aggregates of pyrite and trace chalcopyrite?. At 70.21m is a 6mm wide calcite-chlorite veln at 25° to c/a. Core in this interval is blocky.	1% to 2% diss. pyrite, trace chalcopyrite										

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
70.97	74.20	**PYROXENE PHYRIC BASALT** Mottled, medium green, fine grained basalt with minor <2mm altered pyroxene phenocrysts making up to 3% of rock. Rock is weakly to moderately propyllitically altered. Interval of broken and blocky core. Moderate calcite veins and veinlets throughout. Interval is calcareous and weakly magnetic. Fracture surfaces are talcose. Interval contains 2% to 4% disseminated fine grained pyrite and <1% chalcopyrite and bornite? Locally pyrite content is up to 10% in stringers and aggregates. Lower contact is sheared at 40° to c/a.	2% to 4% diss. and clots of pyrite, trace chalcopyrite										
74.20	91.69	**ANALCITE BASALT** Medium green-grey, fine grained basalt with analcite filled amygdules making up 30% of the rock. Amygdules are oval to elongated and range in size from <1mm to 3cm. Local zones of analcite have taken on a blue-green coloured alteration. Plagioclase phenocrysts are lath shaped to 3mm and partially to totally replaced by calcite. Local intervals (up to 40cm thick) are pyroxene phyric with minor analcite filled amygdules. Basalt is weakly calcareous. 77.90-78.68: broken and blocky core, local patches of malachite on fractures 78.74: 2mm to 3mm wide calcite vein with patchy malachite 85.50: 2cm wide sheared, banded calcite vein at 5° to c/a 86.00: 5cm wide shear zone at 40° to c/a 89.30: layered 2cm wide calcite filled shear zone at 10° to c/a 89.30-91.69: core is soft and broken Trace to <1% disseminated chalcopyrite and trace bornite throughout interval. Lower contact is at 85° to c/a.	Trace to <<1% diss. very fine grained pyrite, chalcopyrite and bornite										
91.69	95.14	**FAULT** Maroon-white-grey fault gouge with stringers and veinlets of ankerite throughout. Within interval there are 10cm to 15cm thick zones of maroon gouge. Lower contact at 50° to c/a.											
95.14	96.00	**PYROXENE PHYRIC BASALT** Pyroxene phenocrysts altered to epidote and brown earthy hematite. Pyroxene phenocrysts make up 15% of the rock. Moderate, coarse calcite stockworks and veinlets up to 3mm wide throughout interval. Lower contact at 60° to c/a.											
96.00	97.09	**SANDSTONE/DEBRIS FLOW** 96.00-96.20: maroon-grey, weakly calcareous sandstone											

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
		96.20-97.09: angular fragments of analcite-plagioclase phyric basalt set in a maroon-grey sandstone matrix, debris flow Lower contact lost in breccia zone.											
97.09	99.97	**ANALCITE BASALT** Grey-green, fine grained basalt with amygdules filled with analcite, making up 30% of the rock. There is a crude elongation of amygdules at 40° to c/a. At 99.33m basalt is black with fine dusting of native copper. Interval is moderately to strongly fractured. Moderate calcite veinlets throughout at 50° to c/a, some veins and veinlets at 15° to c/a.	Trace diss. grains of native Cu										
	99.97	**END OF HOLE**											

Crest Geological

Property: Rim
Core Size: NQ

GEOTECHNICAL DATA SHEET

Client: phelps dodge Corp. of Canada, L
Drill Nole No.: RP02-03
Date: December 19,2002

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	32.92	32.92					O/B								
32.92	35.97	3.05	2.34	76.72	1.09	35.74									
35.97	39.01	3.04	3.05	100.33	1.95	64.14									
39.01	42.06	3.05	3.05	100.00	1.85	60.66									
42.06	45.11	3.05	2.95	96.72	0.99	32.46									
45.11	48.16	3.05	2.62	85.90	0.96	31.48									
48.16	51.20	3.04	3.05	100.33	1.99	65.46									
51.20	54.25	3.05	3.05	100.00	1.91	62.62									
54.25	57.30	3.05	2.98	97.70	2.81	92.13									
57.30	60.35	3.05	3.05	100.00	1.32	43.28									
60.35	63.40	3.05	2.65	86.89	0.34	11.15									
63.40	66.45	3.05	3.05	100.00	1.17	38.36									
66.45	69.49	3.04	3.05	100.33	2.45	80.59									
69.49	72.54	3.05	3.05	100.00	0.80	26.23									
72.54	75.59	3.05	3.05	100.00	1.17	38.36									
75.59	78.64	3.05	2.97	97.38	2.12	69.51									
78.64	81.69	3.05	3.02	99.02	2.54	83.28									
81.69	84.73	3.04	2.94	96.71	2.33	76.64									
84.73	87.78	3.05	3.03	99.34	2.55	83.61									
87.78	90.83	3.05	2.98	97.70	2.37	77.70									
90.83	93.88	3.05	2.97	97.38	2.88	94.43									
93.88	96.93	3.05	3.03	99.34	2.93	96.07									
96.93	99.97	3.04	3.05	100.33	3.04	100.00	EOH								

phelps dodge
Corporation of Canada, Limited

DOT COM PROJECT RP02-04

DRILL HOLE RECORD

HOLE NO:	RP02-04	**BEARING:**	280°	**CORE SIZE:**	NQ	**STARTED:**	December 20/02
PROPERTY:	Rim	**DIP:**	-55°	**CASING:**	4.19m (pulled)	**COMPLETED:**	December 22/02
LOCATION:	Bird Drop Showing Area	**NORTHING:**	5801222 (NAD 83)	**LENGTH:**	105.06m	**DRILL CO:**	Phil's Drilling Ltd.
NTS:	93 A/033	**EASTING:**	600968 (NAD 83)			**LOGGED BY:**	C. Payne
CLAIM:	PD 1	**ELEVATION:**	833m ASL				

SUMMARY LOG:

From (m)	To (m)	Description
0.00	4.19	OVERBURDEN
4.19	17.34	ANALCITE BASALT, BIRD DROP SHOWING
17.34	98.72	INTERCALATED VOLCANIC FLOWS, BRECCIAS, MINOR
		TUFFACEOUS ROCKS AND CLASTIC SEDIMENTS
98.72	98.83	FAULT
98.83	105.06	PYROXENE-PLAGIOCLASE PHYRIC BASALT AND SANDSTONE
	105.06	END OF HOLE

CORE BOXES:

Box	Interval (m)	Box	Interval (m)	Box	Interval (m)	Box	Interval (m)	Box	Interval (m)
1	4.19-9.84	18	95.41-100.67						
2	9.84-14.99	19	100.67-105.06						
3	14.99-20.20								
4	20.20-25.77								
5	25.77-30.86								
6	30.86-35.97								
7	35.97-41.14								
8	41.14-46.60								
9	46.60-52.15								
10	52.15-57.79								
11	57.79-63.40								
12	63.40-68.88								
13	68.88-74.24								
14	74.24-79.69								
15	79.69-84.73								
16	84.73-90.32								
17	90.32-95.41								

COMMENTS:

Hole drilled to test the down dip potential of surface mineralization at the Bird Drop Showing. Weak copper mineralization was encountered at the base of an analcite basalt unit at the projected intercept depth.

DIP TESTS:

INSTRUMENT: 30mm Etch Tube, 6% HF

Depth (m)	DIP(uncorr)	DIP(corr)	AZIMUTH	Depth (m)	DIP(uncorr)	DIP(corr)	AZIMUTH
93.88	-63°	-55.5°	280°				

From (m)	To (m)	Description	Mineralization
0.00	4.19	**OVERBURDEN**	
4.19	17.34	**ANALCITE BASALT** Green-grey, maroon fine to medium grained basalt. Analcite filled amygdules range in size from <1mm to 1cm and are rounded to ovoid in shape. Amygdules make up 25% of rock. Amygdule cumulate zones in interval up to 20cm wide. Several of the amygdule rich intervals exhibit inverse grading in amygdule size. Locally analcite shows a blue-green alteration banding. Towards bottom of interval the basalt is black in colour. Moderate calcite veinlets and veins throughout interval averaging 60° to c/a. Interval is weakly to moderately calcareous and weakly magnetic. Magnetite grains have been altered to brown earthy hematite. At 9.5m: fracture zone, 3mm to 4mm thick with bluish-green platy non-calcareous talcose mineral. Orientation of shearing is 5° to c/a. Base of this interval is down dip extension of Bird Drop Showing. 11.30: blocky-broken core 13.85: green-blue platy, talcose material filling 3mm to 4mm wide shear zone 16.20-17.34: flow breccia healed with calcite	Trace diss. bornite, malachite along fractures
17.34	19.65	**PYROXENE PHYRIC BASALT** Fine grained, grey-green matrix with 1mm to 3mm euhedral to rounded pyroxene phenocrysts making up 20% of the rock. Scattered throughout the rock are earthy hematite altered magnetite grains. Rock is weakly calcareous due to calcite alteration of plagioclase phenocrysts. Locally the rock is moderately magnetic where magnetite grains are not altered to hematite. Lower contact is sharp at 50° to c/a.	
19.65	22.59	**POLYLITHIC VOLCANIC BRECCIA** Pyroxene phyric basalt and analcite basalt angular fragments set in a calcite rich matrix. Rock is fragment supported.	
22.59	29.67	**PYROXENE PHYRIC BASALT** Rock is fine grained, green-grey with brown partially hematite altered pyroxene phenocrysts and magnetite grains. Pyroxene phenocrysts are also partially epidote altered and are up to 4mm in size. 23.72-26.17: flow breccia cemented with calcite 26.82-28.62: broken and blocky core, consistent fractures at 30° to c/a, minor orthogonal veining infilled with platy blue-green material and calcite	
29.67	30.54	**SANDSTONE** Maroon, grey, fine grained, layered sandstone, moderately to strongly calcareous. Trace disseminated fine grained pyrite throughout interval. At 30.00m fracture at 3° to c/a, infilled with blue-green platy talcose material.	Trace diss. fine grained pyrite

Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
13325	4.19	6.00	1.81	531.5	3.1	56	0.1	3.95	0.5
13326	6.00	8.00	2.00	473.3	4.0	50	0.1	4.43	0.5
13327	8.00	10.00	2.00	453.3	2.8	57	0.1	4.48	0.5
13328	10.00	12.00	2.00	225.9	4.7	53	0.1	5.06	1.1
13329	12.00	14.00	2.00	244.8	4.3	59	0.1	4.88	1.8
13330	14.00	16.00	2.00	106.5	3.5	55	0.1	4.79	3.5
13331	16.00	18.00	2.00	493.4	3.6	66	0.1	5.27	0.5
13332	18.00	20.00	2.00	178.4	3.6	57	0.1	5.01	0.8
13333	20.00	22.00	2.00	186.2	5.2	61	0.1	5.48	0.7
13334	22.00	24.00	2.00	37.6	3.2	50	0.1	4.16	1.2
13335	24.00	26.00	2.00	54.8	4.7	55	0.1	4.72	0.5
13336	26.00	28.00	2.00	35.3	2.5	53	0.1	4.71	2.1
13337	28.00	30.00	2.00	32.4	2.1	48	0.1	4.44	1.2
13338	30.00	32.00	2.00	41.0	2.6	51	0.1	4.86	0.5
13339	32.00	34.00	2.00	63.6	3.5	57	0.1	5.05	3.2
13340	34.00	36.00	2.00	122.1	4.7	67	0.1	5.45	1.6
13341	36.00	38.00	2.00	581.8	5.1	69	0.1	6.20	3.5
13342	38.00	40.00	2.00	7.8	4.0	62	0.1	5.37	2.7
13343	40.00	42.00	2.00	463.9	5.6	68	0.1	6.49	0.5
13344	42.00	44.00	2.00	32.5	4.5	69	0.1	5.76	2.4
13345	44.00	46.00	2.00	104.2	5.6	64	0.1	5.52	0.9
13346	46.00	48.00	2.00	5.7	5.2	64	0.1	4.97	2.9
13347	48.00	50.00	2.00	7.1	5.2	64	0.1	4.79	13.1
13348	50.00	52.00	2.00	80.6	5.0	62	0.1	4.91	2.6
13349	52.00	54.00	2.00	226.1	4.7	56	0.1	4.58	0.5
13350	54.00	56.00	2.00	86.4	4.9	57	0.1	4.23	0.6
13351	56.00	58.00	2.00	24.7	4.5	57	0.1	4.50	0.8
13352	58.00	60.00	2.00	13.6	3.9	54	0.1	4.64	0.5
13353	60.00	62.00	2.00	350.0	3.0	49	0.1	5.35	0.5
13354	62.00	64.00	2.00	320.0	3.1	57	0.1	4.48	1.5
13355	64.00	66.00	2.00	36.5	3.7	56	0.1	3.98	0.6
13356	66.00	68.00	2.00	28.9	3.0	52	0.1	4.11	2.0
13357	68.00	70.00	2.00	20.3	3.4	50	0.1	3.39	1.4
13358	70.00	72.00	2.00	54.7	1.8	52	0.1	4.53	1.8
13359	72.00	74.00	2.00	50.0	3.1	53	0.1	4.44	1.6
13360	74.00	76.00	2.00	856.3	6.5	59	0.2	6.01	5.0
13361	76.00	78.00	2.00	82.0	4.9	62	0.1	4.73	2.5
13362	78.00	80.00	2.00	155.3	5.9	65	0.1	4.98	1.3
13363	80.00	82.00	2.00	138.2	4.5	69	0.1	4.69	1.8
13364	82.00	84.00	2.00	112.1	4.2	58	0.1	5.24	2.9
13365	84.00	86.00	2.00	157.7	3.4	60	0.1	5.01	3.1
13366	86.00	88.00	2.00	16.2	4.9	62	0.1	4.44	1.6
13367	88.00	90.00	2.00	21.9	5.2	58	0.1	4.85	0.6
13368	90.00	92.00	2.00	43.3	5.0	66	0.1	5.00	1.2
13369	92.00	94.00	2.00	42.1	3.0	61	0.1	5.29	4.3
13370	94.00	96.00	2.00	26.1	4.4	60	0.1	4.93	1.0

From (m)	To (m)	Description	Mineralization
		Lower contact is sharp at 85° to c/a.	
30.54	33.38	**PYROXENE PHYRIC BASALT** Pyroxene phenocrysts make up to 10% of rock and are set in a green-grey fine grained matrix. Pyroxene phenocrysts are up to 4mm in size and average 2mm. They are locally altered to epidote. Plagioclase phenocrysts are altered to calcite and make up 2% to 3% of the rock. Local greenish-blue-white talcose material infills veins and shears. Shears are at 55° to c/a and veins are 85° to 90° to c/a. Calcite veinlets are at 70° to 80° to c/a. Disseminated magnetite grains are altered to an earthy hematite material. 30.54-31.16: autobreccia zone, fragment supported, calcite cement	
33.38	34.14	**DEBRIS FLOW** Angular pyroxene-plagioclase phyric basalt and analcite basalt fragments range in size up to 5cm set in a maroon-grey calcareous sandy matrix. Interval is matrix supported. Trace disseminated fine grained pyrite throughout matrix. Lower contact is at 85° to c/a.	Trace diss. fine grained pyrite
34.14	35.72	**PLAGIOCLASE PHYRIC BASALT** Green-grey, fine grained basalt with plagioclase phenocrysts up to 3mm in size. Most of the plagioclase is altered to calcite. Locally the plagioclase loses its lath shape and becomes wispy, diffuse patches. Pyroxene phenocrysts when present are weakly altered to epidote-chlorite. Interval is moderately magnetic, some magnetite grains have been hematized. Weak, irregular calcite veinlets throughout interval at varying angles to core axis (10° to 60°). At 35.22m a blue-green talcose vein at 20° to c/a. Lower contact is sharp at 60° to c/a.	
35.72	39.18	**POLYLITHIC VOLCANIC BRECCIA** Plagioclase phyric basalt and analcite basalt angular fragments set in a calcite matrix. Abundant broken and fractured core throughout interval. Locally, fractures have greenish-blue-white talcose material infilling them, fractures at 30° to c/a. Calcite veinlets at 10° to c/a. 37.67-38.23: quartz-chlorite-epidote +/- feldspar alteration patch (8cm in diameter), fine grained dusting of sulphide and malachite along fractures 39.00-39.18: chlorite-epidote-feldspar-quartz alteration patch	Trace diss. chalcopyrite and malachite
39.18	41.62	**DEBRIS FLOW** Pyroxene phyric, plagioclase phyric, anacite basalt fragments set in a maroon-grey sandstone matrix. Top 39.18m to 41.08m matrix supported, 41.08m to 41.62m is fragment supported. Lower part of interval appears reworked with winnowing of sand around fragments.	

Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
13371	96.00	98.00	2.00	14.0	2.1	48	0.1	4.34	1.7
13372	98.00	100.00	2.00	25.1	5.0	62	0.1	4.86	3.7
13373	100.00	102.00	2.00	18.1	6.5	73	0.1	5.10	9.9
13374	102.00	104.00	2.00	29.6	4.3	61	0.1	5.20	10.0
13375	104.00	105.06	1.06	80.2	3.8	60	0.1	5.00	2.6

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
41.62	45.24	**PYROXENE-PLAGIOCLASE PHYRIC BASALT** Pyroxene phenocrysts range in size up to 4mm and are epidote altered, plagioclase phenocrysts are lath to irregular in shape and partially replaced by calcite. Phenocrysts are set in a green-grey fine grained matrix. Upper part of interval, to 43.00m is maroon in colour, non-magnetic with magnetite replaced by earthy hematite. Lower part of interval is moderately magnetic indicating only partial replacement of magnetite. Weak calcite veinlets throughout interval. 44.20-44.80: broken and blocky core, fractures/vugs are infilled with calcite crystals 45.00m: crude alignment of plagioclase laths at 80° to c/a										
45.24	46.55	**SANDSTONE** Fine to medium grained, calcareous sandstone with weak layering at 85° to c/a. Trace disseminated fine grained pyrite throughout. Lower contact is sharp at 85° to c/a.	Trace diss. fine grained pyrite										
46.55	59.60	**ANALCITE BASALT** Green-grey, fine grained basalt with up to 20% rounded to ovoid analcite filled amygdules. Cumulate zones of amygdules filled with analcite are up to 30cm thick. 48.21-48.65: debris flow, fragment supported with sandy matrix 51.37m: maroon coloured analcite basalt Minor intervals to 5cm thick exhibiting moderate epidote-chlorite alteration. Trace to <1% disseminated very fine grained pyrite/chalcopyrite throughout.	Trace diss. very fine grained pyrite and chalcopyrite										
59.60	70.00	**POLYLITHIC VOLCANIC BRECCIA** Angular to subrounded green-grey fragments of pyroxene phyric, plagioclase phyric and analcite basalt fragments range in size from <1mm to 15cm. Average size of fragments is 2cm to 3cm. Interval is fragment supported with strong calcite cement. Locally interval is taking on diffuse maroon colour especially near bottom of interval (last 2m). 68.45m: fracture infilled with layered blue-green talcose material Lower contact is sharp at 70° to c/a.										
70.00	73.20	**PYROXENE PHYRIC BASALT** Large euhedral dark green to black pyroxene (diposide) phenocrysts set in a green-grey fine grained matrix. Pyroxene phenocrysts are up to 3mm in size. There is weak hematization of magnetite grains and minor plagioclase phenocrysts which are replaced by calcite. Interval is moderately to strongly magnetic. Interval is massive, blocky core with minor calcite veinlets. Minor iron stain on fractures.										

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
73.20	76.74	**POLYLITHIC VOLCANIC BRECCIA** Poorly defined pyroxene phyric, plagioclase phyric and analcite basalt fragments set in a mottled fine grained maroon-green-grey matrix containing weak calcite. <1mm to 3mm angular fragments are also in matrix. Rock is matrix supported. Trace disseminated very fine grained sulphide throughout. 76.00-76.74: rock is maroon-black in colour, weakly siliceous	Trace diss. very fine grained bornite in some fragments										
76.74	78.00	**ANALCITE BASALT** Green-grey, aphanitic basalt with 5% to 8% ovoid analcite filled amygdules. Central part of interval is massive green-grey basalt. Lower contact is brecciated at 30° to c/a.											
78.00	89.94	**POLYLITHIC VOLCANIC BRECCIA** Mixed green-grey-maroon, fractured blocks of analcite basalt, pyroxene +/- plagioclase phyric basalt. Fragments are up to 15cm in size and cemented with calcite. Abundant calcite veinlets ranging from 5° to 60° to c/a.											
89.94	90.82	**DEBRIS FLOW** Epidote altered pyroxene +/- plagioclase phyric basalt fragments suspended in a maroon-black calcareous sandy-silty matrix.											
90.82	91.54	**POLYLITHIC VOLCANIC BRECCIA** As described at 78.00-89.94m except the fragments are smaller ranging in size from 1cm to 2cm with abundant calcite cement.											
91.54	95.04	**PYROXENE PHYRIC BASALT** Green-grey, fine grained basalt with 4% to 6% epidote altered pyroxene phenocrysts. Minor local zones as at 94.30m of analcite filled amygdules. Rock is moderately magnetic. Minor calcite veinlets throughout ranging from 40° to 60° to c/a. Interval contains fractured and blocky core.											
95.04	95.56	**POLYLITHIC VOLCANIC BRECCIA** As described at 78.00-89.94m with abundant calcite cement.											
95.56	96.04	**SANDSTONE** Maroon, light grey and weakly calcareous sandstone. 95.56-95.78: well layered sandstone											

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
		95.78-96.04: debris flow with pyroxene phyric basalt fragments suspended in a maroon sandy matrix Lower contact is sharp at 30° to c/a.											
96.04	98.72	**CRYSTAL LITHIC LAPILLI TUFF** Green to black pyroxene crystals, ragged plagioclase crystals, fractured magnetite grains (altered to hematite) and angular maroon plagioclase phyric fragments to 4cm in size all set in a grey, fine grained to aphanitic matrix. Rock is weakly calcareous. Trace disseminated fine grained pyrite throughout the matrix. Lower contact is faulted at 85° to c/a.											
98.72	98.83	**FAULT** Maroon-grey clay gouge.											
98.83	103.77	**SANDSTONE** Maroon, fine to medium grained, calcareous well layered sandstone. Black layers are magnetic. Layering at 75° to c/a. Core is blocky throughout interval. 101.80-102.35: blocky core, maroon-grey fault gouge 102.42-103.77: debris flow, matrix supported, fragments are coarse epidote altered pyroxene phyric basalt Lower contact is at 70° to c/a.											
103.77	105.06	**PYROXENE-PLAGIOCLASE PHYRIC BASALT** Maroon-grey coarse crowded pyroxene-plagioclase phyric basalt. Matrix is grey, very fine grained. Minor splashes of calcite throughout interval. Rock is weakly magnetic, some magnetite grains are altered to hematite. Trace disseminated very fine grained sulphide throughout interval.	Trace diss. very fine grained sulphide										
	105.06	**END OF HOLE**											

Crest Geological

Property: **Rim**
Core Size: NQ

GEOTECHNICAL DATA SHEET

Client: *phelps dodge Corp. of Canada,*
Drill Nole No.: **RP02-04**
Date: December 21,2002

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	4.19	4.19					O/B								
4.19	5.49	1.30	1.29	99.23	1.00	76.92									
5.49	8.53	3.04	2.89	95.07	2.53	83.22									
8.53	11.58	3.05	3.05	100.00	2.62	85.90									
11.58	14.63	3.05	3.05	100.00	1.97	64.59									
14.63	17.68	3.05	3.02	99.02	1.96	64.26									
17.68	20.73	3.05	3.05	100.00	1.57	51.48									
20.73	23.77	3.04	2.92	96.05	2.00	65.79									
23.77	26.82	3.05	3.05	100.00	1.97	64.59									
26.82	29.87	3.05	3.05	100.00	0.75	24.59									
29.87	32.92	3.05	3.05	100.00	1.46	47.87									
32.92	35.97	3.05	3.05	100.00	1.78	58.36									
35.97	39.01	3.04	3.04	100.00	1.48	48.68									
39.01	42.06	3.05	3.05	100.00	2.09	68.52									
42.06	45.11	3.05	2.93	96.07	1.15	37.70									
45.11	48.16	3.05	3.00	98.36	2.40	78.69									
48.16	51.20	3.04	3.05	100.33	2.62	86.18									
51.20	54.25	3.05	2.95	96.72	2.63	86.23									
54.25	57.30	3.05	3.01	98.69	2.89	94.75									
57.30	60.35	3.05	2.98	97.70	2.16	70.82									
60.35	63.40	3.05	2.99	98.03	2.43	79.67									
63.40	66.45	3.05	3.05	100.00	2.68	87.87									
66.45	69.49	3.04	3.05	100.33	2.49	81.91									
69.49	72.54	3.05	3.05	100.00	1.92	62.95									
72.54	75.59	3.05	3.03	99.34	1.89	61.97									
75.59	78.64	3.05	3.05	100.00	1.72	56.39									
78.64	81.69	3.05	3.05	100.00	1.61	52.79									
81.69	84.73	3.04	2.98	98.03	1.60	52.63									
84.73	87.78	3.05	3.05	100.00	2.08	68.20									
87.78	90.83	3.05	2.95	96.72	2.13	69.84									
90.83	93.88	3.05	3.05	100.00	1.68	55.08									
93.88	96.93	3.05	3.00	98.36	1.82	59.67									
96.93	99.97	3.04	2.97	97.70	1.13	37.17									
99.97	103.02	3.05	2.85	93.44	1.13	37.05									
103.02	105.06	2.04	2.04	100.00	1.19	58.33	EOH								

phelps dodge Corporation of Canada, Limited

DOT COM PROJECT RP02-05

DRILL HOLE RECORD

HOLE NO:	RP02-05	**BEARING:**	240°	**CORE SIZE:**	NQ	**STARTED:**	December 27/02
PROPERTY:	Rim	**DIP:**	-75°	**CASING:**	6.60m (pulled)	**COMPLETED:**	December 30/02
LOCATION:	Boulder Showing Area	**NORTHING:**	5799157 (NAD 83)	**LENGTH:**	200.56m	**DRILL CO:**	Phil's Drilling Ltd.
NTS:	93 A/033	**EASTING:**	601502 (NAD 83)			**LOGGED BY:**	C. Payne
CLAIM:	PD 4	**ELEVATION:**	952m ASL				

SUMMARY LOG:

From (m)	To (m)	Description
0.00	6.60	OVERBURDEN
6.60	109.00	POLYLITHIC FELSIC BRECCIA
109.00	112.60	FAULT
112.60	200.56	POLYLITHIC FELSIC BRECCIA
	200.56	END OF HOLE

CORE BOXES:

Box	Interval (m)	Box	Interval (m)	Box	Interval (m)	Box	Interval (m)	Box	Interval (m)
1	6.60-11.92	18	101.70-107.42	35	197.09-200.56				
2	11.92-17.50	19	107.42-113.04						
3	17.50-23.25	20	113.04-118.56						
4	23.25-28.87	21	118.56-124.23						
5	28.87-34.51	22	124.23-129.81						
6	34.51-40.16	23	129.81-135.40						
7	40.16-45.79	24	135.40-141.12						
8	45.79-51.45	25	141.12-146.45						
9	51.45-57.14	26	146.45-152.24						
10	57.14-63.89	27	152.24-157.89						
11	63.89-68.42	28	157.89-163.62						
12	68.42-73.78	29	163.62-169.17						
13	73.78-79.21	30	169.17-174.46						
14	79.21-84.73	31	174.46-179.98						
15	84.73-90.41	32	179.98-185.64						
16	90.41-96.02	33	185.64-191.41						
17	96.02-101.70	34	191.41-197.09						

COMMENTS:

Hole designed to test down dip extension of the Boulder Showing.

DIP TESTS:

INSTRUMENT: 30mm Etch Tube, 6% HF

Depth (m)	DIP(uncorr)	DIP(corr)	AZIMUTH	Depth (m)	DIP(uncorr)	DIP(corr)	AZIMUTH
121.31	-78°	-73°	240°				
197.51	-79°	-74.3°	240°				

From (m)	To (m)	Description	Mineralization
0.00	6.60	**OVERBURDEN**	Trace diss. very fine grained bornite, chalcopyrite, pyrite and dusting of galena on surfaces of fragments
6.60	109.00	**POLYLITHIC FELSIC BRECCIA** Rounded to subangular variable sized clasts set in a finer grained green-grey to maroon matrix of milled similar material to the clasts. The rock varies from fragment supported in the coarser (large clast, >6cm) breccia to matrix supported in the smaller (<6cm) clast intervals. Generally the matrix changes down hole from ground/milled locally derived material in the first 90m to more tuffaceous rich with local sandy intervals. The interval is variably calcareous and weakly to locally moderately magnetic. Generally the rock becomes more hematite altered towards the bottom of the interval. Throughout the interval fragment lithology appears to change possibly due to source changes during deposition. The dominant source is volcanic material followed by a white, aphanitic intrusive rock source followed by analcite basalt and back to fine grained basalt material. Throuhgout the interval are minor 1mm to 4mm thick calcite veins and veinlets which range from 5° to 60° to c/a. Minor fault/shear/breccia sections throughout interval often containing laminated calcite enclosing host rock fragments. Shear zones are rarely greater than 3cm wide. Weak to locally moderate chlorite +/- epidote alteration is dominant in the top 95m of the hole while hematite +/- calcite is dominant towards the bottom. The rock contains variable amounts of disseminated sulphides. Generally the top 95m of the hole contains trace to locally 2% of disseminated very fine grained chalcopyrite, pyrite, with trace bornite, (thin rinds of chalcocite and covellite surrounding bornite) in both matrix and fragments. Very fine grained native copper is also disseminated throughout the interval. The middle part of the hole to 192m is weakly mineralized with very fine grained disseminated sulphide. Sulphide content appears to increase towards the bottom of the hole from 192m locally up to 2%. Fragments contained within the breccia are dark grey crowded plagioclase phyric basalt, dark green-grey to maroon pyroxene phyric basalt (dominant), medium grey aphanitic basalt, round to subangular white (averaging 1cm to 2cm in size) very fine grained syenite?-felsite? fragments, hornblende phyric basalt (up to 10cm in size), analcite basalt, minor calcareous grey-black sandstone, limestone fragments and pinkish-orange monzonite with pyroxene (minor hornblende) phenocrysts. Weak to locally moderate hematite alteration of magnetite throughout, partial replacement of pyroxene phenocrysts (earthy hematite) in some fragments. 11.92-12.15: shear/fault zone, blocky and ground up core, upper contact at 50° to c/a 15.52-15.90: shear/fault zone, minor gouge between fragments, shearing at 20° to c/a 23.02: calcite veinlets, 2mm to 4mm wide, cuts both matrix and fragments at 15° to c/a 36.42: 1.5cm wide breccia zone healed with calcite 38.65-39.80: coarse, large fragment size breccia, diffuse fragment boundaries with black ground rock matrix, fragments up to 20cm in size	

Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
13376	6.60	8.00	1.40	121.3	5.0	84	0.1	4.84	3.4
13377	8.00	10.00	2.00	141.6	2.9	95	0.1	5.40	3.7
13378	10.00	12.00	2.00	127.4	4.9	84	0.1	5.34	3.7
13379	12.00	14.00	2.00	154.9	5.7	85	0.1	5.73	3.2
13380	14.00	16.00	2.00	131.6	8.0	85	0.1	5.52	4.8
13381	16.00	18.00	2.00	137.7	4.5	97	0.1	5.81	2.8
13382	18.00	20.00	2.00	102.4	7.3	79	0.1	4.92	2.7
13383	20.00	22.00	2.00	149.0	4.4	109	0.1	5.04	1.1
13384	22.00	24.00	2.00	204.2	228.2	570	1	5.75	3.2
13385	24.00	26.00	2.00	379.6	97.6	388	1.2	5.94	4.1
13386	26.00	28.00	2.00	118.0	37.7	215	0.1	5.07	2.0
13387	28.00	30.00	2.00	135.5	6.3	98	0.1	4.99	2.5
13388	30.00	32.00	2.00	141.8	6.2	83	0.1	4.50	4.0
13389	32.00	34.00	2.00	126.8	9.4	137	0.1	4.66	3.1
13390	34.00	36.00	2.00	126.3	404.7	613	0.9	4.68	5.3
13391	36.00	38.00	2.00	111.3	82.9	379	0.3	4.21	2.6
13392	38.00	40.00	2.00	243.8	201.0	873	2.3	5.66	13.2
13393	40.00	42.00	2.00	584.2	483.7	705	6.9	4.30	3.6
13394	42.00	44.00	2.00	129.4	148.7	611	0.6	4.52	2.9
13395	44.00	46.00	2.00	115.8	87.3	362	0.2	4.85	4.2
13396	46.00	48.00	2.00	207.6	89.5	557	0.4	5.11	2.5
13397	48.00	50.00	2.00	101.5	25.3	540	0.1	5.30	2.0
13398	50.00	52.00	2.00	70.4	22.0	88	0.1	4.82	2.4
13399	52.00	54.00	2.00	146.7	6.2	87	0.1	5.05	1.5
13400	54.00	56.00	2.00	122.1	5.3	84	0.1	4.88	3.0
13401	56.00	58.00	2.00	120.3	5.6	90	0.1	5.07	4.8
13402	58.00	60.00	2.00	147.8	5.4	103	0.1	5.68	4.3
13403	60.00	62.00	2.00	169.7	5.4	88	0.1	5.29	5.6
13404	62.00	64.00	2.00	123.4	4.8	86	0.1	5.60	3.8
13405	64.00	66.00	2.00	129.1	5.4	87	0.1	5.23	4.3
13406	66.00	68.00	2.00	138.1	3.3	79	0.1	4.64	4.9
13407	68.00	70.00	2.00	106.7	5.7	80	0.1	4.68	2.6
13408	70.00	72.00	2.00	116.4	4.0	84	0.1	5.06	4.2
13409	72.00	74.00	2.00	108.7	3.6	67	0.1	4.82	4.3
13410	74.00	76.00	2.00	102.9	5.9	72	0.1	5.10	2.7
13411	76.00	78.00	2.00	127.8	4.0	92	0.1	4.96	10.7
13412	78.00	80.00	2.00	112.8	4.8	81	0.1	4.40	8.1
13413	80.00	82.00	2.00	134.2	6.1	91	0.1	5.22	4.9
13414	82.00	84.00	2.00	134.8	6.3	93	0.1	5.80	4.8
13415	84.00	86.00	2.00	135.9	5.7	105	0.1	6.12	3.9
13416	86.00	88.00	2.00	112.4	5.4	91	0.1	5.46	1.7
13417	88.00	90.00	2.00	112.6	7.1	93	0.1	5.34	2.8
13418	90.00	92.00	2.00	136.3	2.1	88	0.1	5.23	1.8
13419	92.00	94.00	2.00	137.7	4.8	87	0.1	5.26	2.2
13420	94.00	96.00	2.00	130.3	5.9	84	0.1	4.75	3.2
13421	96.00	98.00	2.00	125.7	6.8	93	0.1	5.18	6.1

From (m)	To (m)	Description	Mineralization
		46.40-54.54: dominantly ragged analcite basalt fragments, matrix supported, set in ground up rock fragments ranging from 2mm to 3mm in size 49.36: irregular, scattered bluish mineral (covellite?) surrounding and overprinting bornite grains 55.50-56.40: fragment supported breccia, fragments are pinkish-orange coloured monzonite with pyroxene phenocrysts 64.85: large 10cm fragment of grey-black sandy limestone set in a lapilli tuff matrix 65.30: barren calcite veinlets, 1mm wide at 10° to c/a 67.90-69.02: coarse fragment interval, mixed fragment-matrix supported 68.30-68.75: broken-blocky core, fault zone, upper contact at 25° to c/a 69.11: mixed angular to rounded fragments ranging up to 8mm in size (looks like lapilli tuff), very fine grained chalcopyrite, bornite, magnetite in both fragments and matrix, minor chalcocite rimming bornite 76.50-78.33: orangey-pink monzonite with pyroxene phenocrysts, fragments to 6cm 78.33-81.12: 'crowded' breccia, fragments range in size from <1mm to 2cm, fragment supported, moderately well mineralized with very fine grained disseminated chalcopyrite to <1%, trace bornite, malachite, minor chalcocite *veinlets associated with bornite, bluish coloured mineral covellite? also spacially* associated with bornite 88.90: 3mm thick calcite vein at 60° to c/a 93.65-95.80: dark grey aphanitic basalt flow? or very large fragment, upper contact sharp at 37° to c/a (sheared), lower contact gradational into breccia, interval contains very fine grained chalcopyrite, bornite with minor chalcocite and covellite also specular hematite 102.80-107.42: dominantly analcite basalt fragments to 10cm in size 103.40-107.42: interval of maroon tuffaceous matrix 107.18: 2mm thick calcite veinlet at 60° to c/a	
109.00	112.60	**FAULT ZONE** Interval of broken and brecciated core healed with calcite. Shearing is at 50° to 60°, weak orthogonal calcite vein set, hematite alteration is prevalent. Upper contact is at 60° to c/a, and lower contact is at 75° to c/a.	
112.60	200.56	**POLYLITHIC FELSIC BRECCIA** Below fault zone the breccia is becoming slightly more calcareous and the matrix is coarser grained (sandy). 115.00: crude layering in matrix at 65° to c/a 118.10: 3mm wide calcite shear/vein at 35° to c/a 118.26: 6cm coarse, epidote altered pyroxene phyric basalt fragment 119.00: pinkish-brown calcite shear/vein at 20° to c/a 124.36-126.60: broken, blocky core	

Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
13422	98.00	100.00	2.00	103.2	5.7	80	0.1	4.98	1.5
13423	100.00	102.00	2.00	114.4	3.9	85	0.1	5.13	2.6
13424	102.00	104.00	2.00	107.2	5.8	69	0.1	5.14	1.9
13425	104.00	106.00	2.00	55.5	5.3	65	0.1	5.12	2.6
13426	106.00	108.00	2.00	128.1	5.2	66	0.1	5.14	4.2
13427	108.00	110.00	2.00	241.1	4.6	60	0.1	4.78	1.6
13428	110.00	112.00	2.00	39.3	5.4	75	0.1	5.14	2.7
13429	112.00	114.00	2.00	64.6	4.9	65	0.1	5.26	3.6
13430	114.00	116.00	2.00	45.9	4.5	67	0.1	4.84	1.1
13431	116.00	118.00	2.00	55.4	5.3	69	0.1	4.88	1.8
13432	118.00	120.00	2.00	37.7	4.8	63	0.1	4.79	1.2
13433	120.00	122.00	2.00	102.8	4.6	63	0.1	4.86	1.4
13434	122.00	124.00	2.00	129.6	4.7	69	0.1	5.19	2.3
13435	124.00	126.00	2.00	35.0	5.1	70	0.1	4.91	0.6
13436	126.00	128.00	2.00	157.9	5.8	69	0.1	4.87	0.5
13437	128.00	130.00	2.00	111.8	4.4	56	0.1	4.82	5.3
13438	130.00	132.00	2.00	51.4	5.3	62	0.1	5.06	1.1
13439	132.00	134.00	2.00	34.0	4.7	62	0.1	4.88	1.3
13440	134.00	136.00	2.00	36.1	5.2	64	0.1	5.12	1.5
13441	136.00	138.00	2.00	37.6	5.0	64	0.1	5.25	1.1
13442	138.00	140.00	2.00	388.3	5.8	65	0.2	5.16	2.0
13443	140.00	142.00	2.00	464.3	4.3	75	0.2	5.19	1.4
13444	142.00	144.00	2.00	56.9	4.9	63	0.1	4.86	2.7
13445	144.00	146.00	2.00	56.8	4.7	63	0.1	4.55	1.4
13446	146.00	148.00	2.00	215.1	4.2	60	0.2	4.50	1.5
13447	148.00	150.00	2.00	65.9	5.0	62	0.1	5.23	1.2
13448	150.00	152.00	2.00	141.3	5.5	69	0.1	4.89	2.4
13449	152.00	154.00	2.00	81.8	5.6	69	0.1	4.98	0.9
13450	154.00	156.00	2.00	68.6	5.0	59	0.1	4.59	1.1
13451	156.00	158.00	2.00	43.7	4.2	57	0.1	5.05	1.7
13452	158.00	160.00	2.00	52.7	5.6	68	0.1	5.43	1.6
13453	160.00	162.00	2.00	146.9	5.4	75	0.1	5.13	3.7
13454	162.00	164.00	2.00	36.7	4.9	51	0.1	4.26	0.8
13455	164.00	166.00	2.00	30.8	5.0	71	0.1	5.53	2.5
13456	166.00	168.00	2.00	78.4	5.0	67	0.1	5.12	2.5
13457	168.00	170.00	2.00	100.5	5.4	68	0.1	4.97	3.2
13458	170.00	172.00	2.00	43.4	6.5	68	0.1	5.21	2.2
13459	172.00	174.00	2.00	190.2	5.9	77	0.1	4.56	4.1
13460	174.00	176.00	2.00	67.1	5.8	62	0.1	5.16	3.6
13461	176.00	178.00	2.00	162.3	4.9	61	0.1	4.77	1.6
13462	178.00	180.00	2.00	36.5	5.2	64	0.1	5.29	4.5
13463	180.00	182.00	2.00	34.1	5.5	67	0.1	5.15	1.8
13464	182.00	184.00	2.00	35.3	5.2	58	0.1	4.87	2.6
13465	184.00	186.00	2.00	29.0	5.0	53	0.1	4.32	1.2
13466	186.00	188.00	2.00	292.8	5.8	62	0.1	5.30	1.4
13467	188.00	190.00	2.00	329.3	6.1	65	0.1	5.16	2.6

From (m)	To (m)	Description	Mineralization
		124.36-147.20: very fine grained sulphide content appears to be decreasing to trace amounts, coarse sized (>6cm) breccia interval	
		133.50-134.12: sandy, calcareous matrix supported interval, debris flow?	
		149.80: small interval of breccia cemented with calcite	Trace diss. very fine grained pyrite and bornite in some fragments
		152.78-177.50: coarse sized (>6cm) breccia interval, fine grained grey basalt, hornblende phyric basalt, maroon pyroxene phyric basalt, analcite basalt, plagioclase phyric basalt and minor pinkish-grey fine grained intrusive fragments set in a weakly maroon calcareous, sandy matrix, most of interval is fragment supported, weak calcite veining at 60° to c/a	
		156.50: 2cm wide breccia zone infilled with rock fragments cemented with calcite, shearing at 40° to c/a	
		162.36-163.04: breccia/shear zone, rock fragments set in calcite cement, shearing at 5° to c/a	
		165.70: 40cm fragment of green-grey pyroxene phyric basalt set in weakly calcareous, maroon lapilli tuff matrix, contacts of fragment with matrix contain a thin <1mm thick rind of calcite	
		169.10: calcite vein/shear zone, subparallel to c/a	
		169.50: calcite filled shear zone, 6cm thick at 25° to c/a	
		171.05: calcite filled shear zone at 20° to c/a	
		175.10: 7cm thick calcite filled shear zone at 40° to c/a	
		177.50-195.23: sandy crystal tuff-lapilli tuff matrix supported breccia, fragment size is smaller in the <1cm to 4cm range	
		181.80: 2mm thick calcite filled shear zone at 3° to c/a	
		185.32: 6mm thick calcite filled shear zone at 20° to c/a	
		188.00-200.56: increasing sulphide content, disseminated very fine grained chalcopyrite to <1%, <1% disseminated bornite with chalcocite and covellite and <1% disseminated native copper	<1% diss. very fine pyrite, chalcopyrite, bornite, trace diss. native Cu
		188.59: native copper in analcite filled amygdule	
		190.88: native copper in pyroxene phyric basalt fragment and in calcite veinlet	
		195.23: 3mm thick calcite filled shear at 75° to c/a	
		199.33: 4cm wide calcite cemented breccia zone	
		Difficult to estimate sulphide content due to its very fine grained nature.	
	200.56	**END OF HOLE**	

Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
13468	190.00	192.00	2.00	184.4	6.6	72	0.2	5.28	1.8
13469	192.00	194.00	2.00	185.7	5.5	64	0.1	5.02	0.5
13470	194.00	196.00	2.00	88.6	5.7	67	0.1	4.84	2.3
13471	196.00	198.00	2.00	309.6	6.5	67	0.2	4.96	4.4
13472	198.00	200.56	2.56	142.1	5.8	65	0.1	4.89	4.4

Crest Geological

Property: **Rim**
Core Size: NQ

GEOTECHNICAL DATA SHEET

Client: *phelps dodge Corp. of Canada, Lt*
Drill Hole No.: **RP02-05**
Date: January 2, 2003

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	6.60	6.60					O/B
6.60	8.53	1.93	1.93	100.00	0.82	42.49	
8.53	11.58	3.05	2.98	97.70	2.06	67.54	
11.58	14.63	3.05	3.05	100.00	2.01	65.90	
14.63	17.68	3.05	3.02	99.02	2.34	76.72	
17.68	20.73	3.05	3.04	99.67	2.67	87.54	
20.73	23.77	3.04	3.00	98.68	2.84	93.42	
23.77	26.82	3.05	3.05	100.00	2.48	81.31	
26.82	29.87	3.05	3.01	98.69	2.73	89.51	
29.87	32.92	3.05	3.05	100.00	2.84	93.11	
32.92	35.97	3.05	3.04	99.67	2.59	84.92	
35.97	39.01	3.04	3.05	100.33	2.93	96.38	
39.01	42.06	3.05	3.04	99.67	2.37	77.70	
42.06	45.11	3.05	3.04	99.67	2.93	96.07	
45.11	48.16	3.05	3.04	99.67	2.53	82.95	
48.16	51.20	3.04	3.05	100.33	2.93	96.38	
51.20	54.25	3.05	3.05	100.00	2.70	88.52	
54.25	57.30	3.05	3.01	98.69	2.78	91.15	
57.30	60.35	3.05	3.05	100.00	2.98	97.70	
60.35	63.40	3.05	3.00	98.36	2.92	95.74	
63.40	66.45	3.05	3.03	99.34	2.24	73.44	
66.45	69.49	3.04	3.04	100.00	2.34	76.97	
69.49	72.54	3.05	2.98	97.70	2.42	79.34	
72.54	75.59	3.05	3.05	100.00	2.42	79.34	
75.59	78.64	3.05	3.00	98.36	1.74	57.05	
78.64	81.69	3.05	3.05	100.00	2.84	93.11	
81.69	84.73	3.04	3.05	100.33	2.71	89.14	
84.73	87.78	3.05	2.99	98.03	2.98	97.70	
87.78	90.83	3.05	3.05	100.00	2.71	88.85	
90.83	93.88	3.05	2.97	97.38	2.53	82.95	
93.88	96.93	3.05	3.03	99.34	2.71	88.85	
96.93	99.97	3.04	3.05	100.33	2.92	96.05	
99.97	103.02	3.05	3.05	100.00	2.79	91.48	
103.02	106.07	3.05	3.05	100.00	2.99	98.03	
106.07	109.12	3.05	3.03	99.34	2.66	87.21	
109.12	112.17	3.05	3.02	99.02	1.08	35.41	
112.17	115.21	3.04	3.05	100.33	1.73	56.91	
115.21	118.26	3.05	3.05	100.00	1.71	56.07	
118.26	121.31	3.05	3.00	98.36	2.26	74.10	
121.31	124.36	3.05	3.03	99.34	2.44	80.00	
124.36	127.41	3.05	3.01	98.69	1.74	57.05	
127.41	130.45	3.04	3.04	100.00	2.68	88.16	
130.45	133.50	3.05	3.05	100.00	2.60	85.25	
133.50	136.55	3.05	3.01	98.69	1.56	51.15	
136.55	139.60	3.05	3.01	98.69	2.02	66.23	
139.60	142.65	3.05	3.01	98.69	2.16	70.82	
142.65	145.69	3.04	3.05	100.33	2.32	76.32	
145.69	148.74	3.05	2.95	96.72	2.32	76.07	
148.74	151.79	3.05	3.05	100.00	2.88	94.43	
151.79	154.84	3.05	3.01	98.69	2.61	85.57	
154.84	157.89	3.05	2.99	98.03	2.81	92.13	
157.89	160.93	3.04	3.03	99.67	2.84	93.42	
160.93	163.98	3.05	3.04	99.67	1.52	49.84	
163.98	167.03	3.05	3.05	100.00	2.93	96.07	
167.03	170.08	3.05	3.05	100.00	2.16	70.82	
170.08	173.13	3.05	3.03	99.34	1.91	62.62	
173.13	176.17	3.04	3.05	100.33	2.31	75.99	
176.17	179.22	3.05	3.03	99.34	2.79	91.48	
179.22	182.27	3.05	3.02	99.02	2.51	82.30	
182.27	185.32	3.05	3.05	100.00	2.69	88.20	
185.32	188.37	3.05	3.03	99.34	2.83	92.79	
188.37	191.41	3.04	3.05	100.33	2.93	96.38	
191.41	194.46	3.05	2.99	98.03	2.52	82.62	
194.46	197.51	3.05	3.05	100.00	3.04	99.67	
197.51	200.56	3.05	2.88	94.43	1.13	37.05	Miss-latched core
	200.56	EOH					tube

phelps dodge Corporation of Canada, Limited

DOT COM PROJECT RP03-06

DRILL HOLE RECORD

HOLE NO:	RP03-06	**BEARING:**	238°	**CORE SIZE:**	NQ	**STARTED:**	February 11/03
PROPERTY:	Rim	**DIP:**	-50°	**CASING:**	29.09m (pulled)	**COMPLETED:**	February 15/03
LOCATION:	Boulder Showing Area	**NORTHING:**	5799586 (NAD 83)	**LENGTH:**	45.11m	**DRILL CO:**	Phil's Drilling Ltd.
NTS:	93 A/033	**EASTING:**	602192 (NAD 83)			**LOGGED BY:**	C. Payne
CLAIM:	PD 4	**ELEVATION:**	878m ASL				

SUMMARY LOG:

From (m)	To (m)	Description
0.00	29.09	**OVERBURDEN**
29.09	45.11	**FAULT**
	45.11	**END OF HOLE; HOLE STOPPED IN FAULT**

CORE BOXES:

Box	Interval (m)	Box	Interval (m)	Box	Interval (m)	Box	Interval (m)	Box	Interval (m)
1	29.09-34.66								
2	34.66-40.39								
3	40.39-45.11								

COMMENTS:

Hole was designed to test 1.5 to 2 times background chargeability anomaly and magnetic low.

Hole encountered a fault which could not be penetrated. Hole stopped at 45.11m.

DIP TESTS:

INSTRUMENT:

Depth (m)	DIP(uncorr)	DIP(corr)	AZIMUTH	Depth (m)	DIP(uncorr)	DIP(corr)	AZIMUTH
0.00		-50°	238°				

From (m)	To (m)	Description	Mineralization
0.00	29.09	**OVERBURDEN** Quartz and volcanic fragments. At 22.86m, start of fault zone.	
29.09	45.11	**FAULT** Maroon-green-grey, ground up rock, rock fragments set in sandy clay rich gouge. Angular and fractured rock fragments to 8cm. Broken and irregular calcite veinlets throughout ranging from <1mm to 3mm wide. Veinlets range from 25° to 50° to c/a. Shearing is at 40° to c/a which is generally perpendicular to calcite veinlets. Spotty, trace to <1% disseminated very fine grained sulphide. 37.40-40.39: highly fractured and sheared fragments of fine grained grey plagioclase-pyroxene phyric basalt (plagioclase phenocrysts altered to chlorite+/-epidote mix), shearing is at 55° to c/a, abundant clay gouge, trace to <1% disseminated fine grained sulphide in this interval, also greenish tinge (chlorite?) to calcite veining, basalt fragments are moderately magnetic, losing maroon colour at base of this interval 40.39-42.32: Highly fractured and sheared, grey, fine grained, moderately siliceous pyroxene phyric basalt. Euhedral to subhedral pyroxene phenocrysts range in size from <1mm to 4mm and make up 8% of rock. Phenocrysts are altered to chlorite+/-epidote mix with the ragged phenocryst cores remaining black. Ragged, chlorite-calcite altered plagioclase phenocrysts make up 4% of rock. Rock is weakly calcareous, clay rich and moderately magnetic. Weak to moderate greenish calcite and banded (white-brown) siderite veinlets cut the core at 5° to 90° to c/a. Trace disseminated fine grained sulphide (bornite?) and trace disseminated native copper in interval. This interval is a large rock fragment in fault zone. Lower contact of fragment is sharp at 70° to c/a against clay gouge. 42.63-42.90: grey-white fractured basalt rock fragments with clay-sand material supporting rock fragments 42.90-43.60: dark maroon-black sand, minor rock chips and clay gouge, trace disseminated fine grained native copper in sandy intervals 43.60-45.11: basalt fragments set in sandy clay material	Trace to <1% diss. fine grained sulphide Trace fine grained bornite? and native copper
	45.11	**END OF HOLE**	

Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
42501	29.09	31.00	1.91	5589.6	67.3	675	25.8	3.05	3.3
42502	31.00	33.00	2.00	4832.9	60.7	838	34.8	3.38	2.9
42503	33.00	35.00	2.00	6801.7	63.7	822	21	3.62	1.7
42504	35.00	37.00	2.00	976.4	72.5	521	3.2	3.47	14.6
42505	37.00	39.00	2.00	65.7	159.1	691	2.3	5.23	7.4
42506	39.00	41.00	2.00	45.0	147.3	833	0.7	6.09	9.4
42507	41.00	45.11	4.11	142.2	198.6	673	1.3	5.90	4.6
42508Grab	43.00	43.00	0.00	827.1	110.0	1244	3.8	5.89	4.2

Crest Geological

Property: **Rim**
Core Size: NQ

GEOTECHNICAL DATA SHEET

Client: *phelps dodge Corp. of Canada, Ltd*
Drill Nole No.: **RP03-06**
Date: February 15, 2003

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	29.09	29.09					O/B								
29.09	29.87	0.78	0.27	34.62	0.10	12.82	Fault/Gouge								
29.87	32.92	3.05	2.68	87.87	2.20	72.13	Fault/Gouge								
32.92	35.97	3.05	2.99	98.03	2.15	70.49	Fault/Gouge								
35.97	39.01	3.04	2.70	88.82	1.16	38.16	Fault/Gouge								
39.01	42.06	3.05	2.73	89.51	1.73	56.72	Fault/Gouge								
42.06	45.11	3.05	1.54	50.49	0.19	6.23	EOH,Fault/Gouge								
							Hole Lost in Fault								

phelps dodge Corporation of Canada, Limited

DOT COM PROJECT RP03-07

DRILL HOLE RECORD

HOLE NO:	RP03-07	**BEARING:**	240°	**CORE SIZE:**	NQ	**STARTED:**	February 15/03
PROPERTY:	Rim	**DIP:**	-55°	**CASING:**	4.62m (pulled)	**COMPLETED:**	February 18/03
LOCATION:	Boulder Showing Area	**NORTHING:**	5799539 (NAD 83)	**LENGTH:**	157.89m	**DRILL CO:**	Phil's Drilling Ltd.
NTS:	93 A/033	**EASTING:**	602146 (NAD 83)			**LOGGED BY:**	C. Payne
CLAIM:	PD 4	**ELEVATION:**	882m ASL				

SUMMARY LOG:

From (m)	To (m)	Description
0.00	4.62	OVERBURDEN
4.62	5.17	PYROXENE PHYRIC BASALT
5.17	15.96	FAULT
15.96	17.12	ANALCITE BASALT
17.12	17.73	FAULT
17.73	95.35	INTERCALATED ANALCITE AND PYROXENE PHYRIC BASALT
95.35	122.75	POLYLITHIC VOLCANIC BRECCIA
122.75	142.57	INTERCALATED ANALCITE AND PYROXENE PHYRIC BASALT
142.57	152.25	SANDSTONE AND BASALT
152.25	157.89	INTERCALATED MONOLITHIC VOLCANIC BRECCIA, SANDSTONE
		AND PLAGIOCLASE PHYRIC BASALT
	157.89	END OF HOLE

CORE BOXES:

Box	Interval (m)	Box	Interval (m)	Box	Interval (m)	Box	Interval (m)	Box	Interval (m)
1	4.62-12.05	18	101.56-107.38						
2	12.05-18.78	19	107.38-113.04						
3	18.78-24.34	20	113.04-118.75						
4	24.34-29.87	21	118.75-124.51						
5	29.87-35.26	22	124.51-130.30						
6	35.26-39.90	23	130.30-135.81						
7	39.90-45.32	24	135.81-141.49						
8	45.32-50.77	25	141.49-146.82						
9	50.77-56.28	26	146.82-152.25						
10	56.28-61.89	27	152.25-157.89						
11	61.89-67.40								
12	67.40-73.18								
13	73.18-78.79								
14	78.79-84.58								
15	84.58-90.07								
16	90.07-95.80								
17	95.80-101.56								

COMMENTS:

Hole was designed to test 1.5 to 2 times background chargeability anomaly and magnetic low.

DIP TESTS:

INSTRUMENT: 30mm Etch Tube, 6% HF

Depth (m)	DIP(uncorr)	DIP(corr)	AZIMUTH	Depth (m)	DIP(uncorr)	DIP(corr)	AZIMUTH
154.84	-62°	-54.3°	240°				

From (m)	To (m)	Description	Mineralization
0.00	4.62	**OVERBURDEN** Angular volcanic fragments in till.	
4.62	5.17	**PYROXENE PHYRIC BASALT** Grey aphanitic, siliceous basalt with 2% black euhedral pyroxene phenocrysts disseminated throughout rock. Wispy ragged calcite altered plagioclase phenocrysts make up <1%. Trace disseminated very fine grained sulphide throughout interval. Minor analcite filled amygdules as at 5.15m.	
5.17	15.96	**FAULT** Grey-green to maroon fault gouge with ground up pyroxene phyric basalt fragments. Angular fragments are up to 1cm in size. 5.17-10.00: chlorite-epidote altered pyroxene phyric basalt fragments, green talcose material infilling fractures (malachite colour) 10.00-11.59: 23cm of core in this interval, siliceous, brecciated volcanic rock, minor calcite veinlets, abundant wispy quartz veinlets throughout 11.59-14.00: maroon plagioclase phyric + analcite basalt fragments set in clay gouge 14.00-15.96: ground up analcite basalt rock fragments, lower contact sharp at 60° to c/a	
15.96	17.12	**ANALCITE BASALT** Green-grey, fine grained analcite basalt. Analcite filled amygdules make up 17% of rock. Tan to flesh coloured, rounded analcite filled amygdules are up to 5mm in size. Interval is calcareous with abundant calcite veinlets throughout. Local light green talcose veins (3mm wide) at 10° to c/a. No visible sulphides in interval.	
17.12	17.73	**FAULT** Ground up analcite basalt fragments and clay. Lower contact sharp at 60° to c/a.	
17.73	49.74	**ANALCITE BASALT** Light grey-green, fine grained, weakly chlorite altered basalt with rounded to locally squared analcite filled amygdules. Analcite filled amygdules make up to 25% of rock. Amygdules are up to 8mm in diameter, averaging 4mm. Locally analcite is zoned with white rims and tan to pinkish coloured centres. Locally there are 1% to 2% coarse pyroxene phenocrysts. Locally within interval are zones of autobrecciation containing fragments of the host rock. Interval is weakly to moderately calcareous and variably (weakly to moderately) magnetic and siliceous. Local intervals of blocky, fractured	Trace diss. very fine grained sulphide throughout

Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
42509	4.62	6.00	1.38	100.4	9.6	85	0.2	5.47	1.7
42510	6.00	8.00	2.00	246.3	16.8	168	0.5	4.61	1.2
42511	8.00	10.00	2.00	38.9	13.4	96	0.1	4.00	3.7
42512	10.00	12.00	2.00	47.2	14.2	78	0.1	4.07	3.5
42513	12.00	14.00	2.00	72.4	26.4	94	0.1	4.66	14.9
42514	14.00	16.00	2.00	242.1	38.5	155	0.2	3.68	1.8
42515	16.00	18.00	2.00	2391.7	68.1	824	2.0	3.59	1.6
42516	18.00	20.00	2.00	157.1	64.0	576	2.8	3.50	4.7
42517	20.00	22.00	2.00	1706.6	68.1	391	1.4	3.19	0.9
42518	22.00	24.00	2.00	628.9	63.1	608	0.4	3.30	2.0
42519	24.00	26.00	2.00	450.8	46.1	512	0.5	3.62	2.3
42520	26.00	28.00	2.00	65.3	42.6	154	0.5	4.91	2.6
42521	28.00	30.00	2.00	57.9	37.0	109	0.1	3.62	1.0
42522	30.00	32.00	2.00	300.8	29.1	92	0.1	3.56	2.2
42523	32.00	34.00	2.00	741.3	52.3	89	0.3	4.89	2.2
42524	34.00	36.00	2.00	744.9	28.4	95	0.2	4.08	2.6
42525	36.00	38.00	2.00	99.5	22.8	112	0.2	5.09	3.7
42526	38.00	40.00	2.00	97.1	34.1	96	0.2	3.67	3.4
42527	40.00	42.00	2.00	183.2	5.7	73	0.1	4.98	2.8
42528	42.00	44.00	2.00	202.5	4.5	72	0.1	4.79	2.1
42529	44.00	46.00	2.00	173.7	5.0	77	0.1	5.06	3.5
42530	46.00	48.00	2.00	79.9	16.7	111	0.7	5.19	4.0
42531	48.00	50.00	2.00	59.7	17.7	91	0.4	4.97	2.3
42532	50.00	52.00	2.00	72.9	12.9	82	0.2	5.07	2.5
42533	52.00	54.00	2.00	94.9	10.2	83	0.1	5.04	4.1
42534	54.00	56.00	2.00	85.7	11.9	81	0.1	5.01	3.7
42535	56.00	58.00	2.00	82.6	12.1	81	0.4	5.03	4.2
42536	58.00	60.00	2.00	105.9	9.8	81	0.2	5.05	3.2
42537	60.00	62.00	2.00	70.4	10.5	83	0.1	4.86	5.1
42538	62.00	64.00	2.00	55.8	15.1	99	0.2	5.14	3.6
42539	64.00	66.00	2.00	42.1	32.3	126	0.3	4.78	4.6
42540	66.00	68.00	2.00	46.3	37.0	167	0.1	4.95	4.3
42541	68.00	70.00	2.00	43.8	40.0	151	0.1	6.03	4.3
42542	70.00	72.00	2.00	45.1	44.3	113	0.1	5.97	4.3
42543	72.00	74.00	2.00	77.6	41.5	124	<0.1	5.31	3.2
42544	74.00	76.00	2.00	69.6	32.5	147	0.1	4.23	4.3
42545	76.00	78.00	2.00	104.3	9.8	78	< 0.1	4.93	4.5
42546	78.00	80.00	2.00	158.8	3.8	69	0.1	5.46	3.6
42547	80.00	82.00	2.00	182.0	4.5	77	0.1	5.60	5.9
42548	82.00	84.00	2.00	194.2	4.4	80	0.1	5.50	4.7
42549	84.00	86.00	2.00	95.5	4.4	93	0.1	5.87	4.1
42550	86.00	88.00	2.00	355.4	4.8	102	0.2	6.15	5.4
42551	88.00	90.00	2.00	225.7	4.3	90	0.1	5.79	6.4
42552	90.00	92.00	2.00	375.4	4.5	81	0.1	6.32	7.2
42553	92.00	94.00	2.00	159.9	4.1	78	0.1	5.49	5.7
42554	94.00	96.00	2.00	171.4	8.5	78	0.1	5.80	3.5

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
		core healed with calcite-siderite-quartz, now open. Trace disseminated very fine grained sulphide throughout.		42555	96.00	98.00	2.00	71.6	13.2	87	< 01	4.62	3.8
		20.01: calcite-quartz vein (5mm thick) at 30° to c/a		42556	98.00	100.00	2.00	84.8	11.3	78	< 0.1	4.88	3.8
		21.26: talcose vein at 35° to c/a		42557	100.00	102.00	2.00	79.3	10.3	88	< 0.1	5.14	5.2
		23.40: subparallel calcite veinlets, 3mm thick at 35° to c/a		42558	102.00	104.00	2.00	59.3	13.8	86	< 0.1	5.34	3.0
		24.90: talcose veinlets at 25° to c/a		42559	104.00	106.00	2.00	43.6	24.7	95	0.2	5.65	4.5
		26.00-29.00: blocky/broken core		42560	106.00	108.00	2.00	30.0	46.1	132	0.2	6.57	4.5
		25.36-29.56: disseminated very fine grained sulphide up to 0.5%	0.4% diss. fine grained bornite?, sulphides	42561	108.00	110.00	2.00	33.8	28.7	106	0.3	4.98	2.3
		34.80-35.26: disseminated very fine grained sulphide up to 0.4% (bornite?)		42562	110.00	112.00	2.00	22.8	49.8	103	0.2	5.20	3.7
		36.60-39.60: blocky/fractured core, fractures infilled with quartz and calcite, fractures at 5° to 10° to c/a; calcite vein set at 60° to c/a		42563	112.00	114.00	2.00	14.6	147.9	174	<0.1	7.13	7.0
		40.00-49.74: disseminated very fine grained sulphide up to 0.5%, pyrite along fractures, disseminated very fine grained specular hematite to <1% and up to 1 to 2% disseminated magnetite		42564	114.00	116.00	2.00	41.9	110.2	361	0.4	6.21	7.6
		41.84: 1cm wide banded quartz-carbonate-siderite vein at 10° to 90° to c/a		42565	116.00	118.00	2.00	49.3	72.8	334	0.5	4.28	6.7
		47.40: 1cm wide banded quartz-carbonate-siderite vein at 90° to c/a		42566	118.00	120.00	2.00	47.4	74.8	477	0.2	4.66	3.6
		48.90: 1cm thick banded quartz-carbonate-siderite-chlorite vein at 5° to c/a		42567	120.00	122.00	2.00	39.7	69.2	383	0.1	3.32	1.5
		Lower contact sharp at 85° to c/a.		42568	122.00	124.00	2.00	113.7	60.3	233	0.4	4.60	4.6
				42569	124.00	126.00	2.00	88.2	27.8	153	0.6	5.58	7.1
49.74	50.40	**PYROXENE PHYRIC BASALT**		42570	126.00	128.00	2.00	396.9	6.5	120	0.2	5.59	7.6
				42571	128.00	130.00	2.00	332.4	6.3	120	0.1	5.74	6.8
		Dark green-black, fine grained basalt with ragged pyroxene phenocrysts up to 3mm in size. Pyroxene phenocrysts are weakly chlorite altered as well as plagioclase phenocrysts. There is 1 to 2% rounded to ovoid black analcite filled amygdules throughout. Unit is strongly magnetic with no visible sulphides. Interval is non-calcareous.		42572	130.00	132.00	2.00	163.5	11.2	128	0.3	5.81	8.1
		50.06-50.16: clay altered matrix to volcanic		42573	132.00	134.00	2.00	89.5	8.2	105	0.2	5.21	4.4
		Lower contact is sharp at 80° to c/a.		42574	134.00	136.00	2.00	85.7	7.8	96	0.1	5.09	1.4
				42575	136.00	138.00	2.00	77.2	4.4	69	0.1	4.60	0.7
				42576	138.00	140.00	2.00	158.9	6.1	97	0.1	4.89	4.4
				42577	140.00	142.00	2.00	83.4	11.2	108	0.1	5.38	8.0
				42578	142.00	144.00	2.00	1810.5	16.6	103	0.4	5.33	3.3
				42579	144.00	146.00	2.00	46.4	12.9	117	0.1	4.98	3.6
				42580	146.00	148.00	2.00	93.3	11.8	132	0.1	4.47	1.7
				42581	148.00	150.00	2.00	52.8	38.7	188	0.1	4.75	2.9
				42582	150.00	152.00	2.00	365.9	42.0	124	0.1	5.01	5.3
50.40	51.00	**ANALCITE BASALT**		42583	152.00	154.00	2.00	1130.4	67.2	165	0.2	4.38	5.5
				42584	154.00	156.00	2.00	45.1	47.0	181	0.1	4.38	2.0
		Grey, fine grained basalt with tan to pinkish analcite filled amygdules to 15%. Interval is highly fractured and weakly calcareous. Trace disseminated very fine grained sulphide and specular hematite.		42585	156.00	157.89	1.89	56.7	38.2	175	0.1	4.83	2.7
51.00	51.23	**PYROXENE PHYRIC BASALT**											
		Dark grey-black clay altered basalt including pyroxene phenocrysts which have a ghost like outline.											
		Lower contact is at 90° to c/a.											
51.23	95.35	**ANALCITE BASALT**											
		Greenish grey, fine grained basalt with tan to flesh coloured, well disseminated analcite filled amygdules. Amygdules make up 7 to 10% of rock. Locally amygdules are zoned. Interval is moderately siliceous. Unit is massive but blocky. Weak to											

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
		moderate quartz-carbonate veining throughout interval. Unit is moderately magnetic with 1 to 2% disseminated magnetite throughout. Trace pyrite along fractures and trace disseminated very fine grained native copper, locally trace clots of bornite. 53.00: 3mm thick quartz-carbonate vein at 2° to c/a 61.00: talcose rich fracture zone subparallel to c/a with spotty reddish hematite alteration 64.35-64.95: maroon, clay altered analcite basalt breccia with abundant wispy calcite veining 64.95-95.35: Grey, analcite basalt with sparse (<2% to 6%) subangular basalt fragments set in grey, fine to locally medium grained analcite-plagioclase-pyroxene matrix (matrix supported). Fragments range in size from <0.5cm to 10cm with diffuse boundaries. Fragments are light green-grey crowded plagioclase phyric basalt (plagioclase phenocrysts altered to hematite and chlorite), aphanitic grey basalt and pyroxene phyric basalt (hematite altered pyroxene phenocrysts). This interval is weakly calcareous and moderately siliceous. Weak quartz-carbonate veinlets throughout. 73.74-76.50: moderately crowded breccia, fragments make up 30% of rock, interval is still matrix supported 78.79: 20cm thick fracture zone infilled with calcite 88.40: 3mm thick quartz-carbonate veinlet at 5° to c/a 91.17: rounded analcite fragment, 11cm in diameter 91.34: fracture zone (open) carbonate filled 93.25: 1cm wide banded quartz vein with host fragments in vein, vein at 15° to c/a Throughout unit is 1 to 3% disseminated and clots of magnetite. Trace to <1% disseminated very fine grained native copper which is also along fractures. Trace disseminated fine grained pyrite. Lower contact is at 60° to c/a.	Trace to <1% diss. very fine grained sulphide and trace native copper										
95.35	122.75	**POLYLITHIC VOLCANIC BRECCIA** Maroon polylithic matrix supported volcanic breccia. Subangular to rounded (larger fragments) fragments range in size from <2mm to 13cm. Matrix is fractured pyroxene, analcite and magnetite grains set in a fine grained to aphanitic maroon groundmass. Dominant fragments are plagioclase phyric basalt (maroon to grey-green, plagioclase phenocrysts are calcite-chlorite altered) and maroon analcite basalt. Throughout interval is trace very fine grained disseminated pyrite and native copper. 107.45-122.75: dominant fragment lithology is maroon analcite basalt with euhedral to rounded, zoned analcite filled amygdules; interval is fragment supported 119.27-122.64: interval is carbonate rich											
122.75	135.27	**ANALCITE BASALT** Grey-green, fine to medium grained weakly chlorite altered analcite basalt. Tan to pinkish coloured rounded to ragged analcite filled amygdules make up 8% of rock. Unit is massive but blocky, moderately to strongly magnetic and is non to weakly calcareous. Weak quartz veining throughout with quartz veins at 15° to 85° to c/a.											

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
		Trace very fine grained sulphide and specular hematite throughout. 125.23: 2cm vug infilled with quartz-carbonate and rounded growth? of pinkish analcite 125.69: 2cm wide banded calcite vein at 20° to c/a 130.90: <1% disseminated fine grained native copper, also in <1mm wide veinlets 131.95: fractured analcite basalt healed with quartz-carbonate Lower contact is sharp at 85° to c/a.	Patchy native copper										
135.27	138.84	**PYROXENE PHYRIC BASALT** Grey-green, fine to medium grained weakly to moderately chlorite altered basalt. Pyroxene phenocrysts make up 20% of rock. Locally dark green to black in colour rounded analcite filled amygdules make up 8% of the rock. Interval is weakly to moderately chlorite altered and moderately magnetic. Rock is fractured and blocky throughout along with weak calcite veining. Interval contains disseminated and stringers of very fine grained sulphide (to 0.5%) with some chalcopyrite, trace clots of bornite. 136.83-137.10: sheared-clay altered zone with shearing at 65° to c/a	Trace diss. fine grained pyrite, chalcopyrite, clots of bornite										
138.84	142.57	**ANALCITE BASALT** Grey-green, fine grained basalt with white to pinkish coloured analcite filled amygdules making up 20% to 25% of the rock. Analcite amygdules are up to 0.4mm in diameter. Interval is moderately fractured. Weak quartz-carbonate veining throughout with veining at 15° to 70° to c/a. Trace to <1% disseminated fine grained sulphide throughout. 140.36-140.58: blocky/fractured core 142.00-142.57: blocky/fractured core, fracturing at 20° to c/a, moderate to strong chlorite alteration within this interval with 1% to 2% disseminated fine grained pyrite and chalcopyrite? Lower contact is sharp at 60° to c/a.	1% to 2% diss. fine grained pyrite and chalcopyrite?										
142.57	142.98	**SANDSTONE** Maroon, fine to medium grained, poorly bedded sandstone. Unit is moderately magnetic and weakly calcareous. Trace disseminated fine grained pyrite throughout. Lower contact is sharp at 80° to c/a.											
142.98	152.25	**BASALT** Grey-green fine grained siliceous basalt. The volcanic is massive but fractured, with sparse, disseminated 2% to 3% disseminated subhedral plagioclase phenocrysts to 2mm in size. <1% rounded pyroxene phenocrysts throughout and minor hornblende and analcite. Trace to <1% disseminated fine grained sulphide throughout. 143.00-145.00: blocky fractured core 143.95-144.34: autobrecciated zone, one fragment of hornblende phyric basalt	Trace diss. fine grained sulphide										

From (m)	To (m)	Description	Mineralization	Sample No.	From (m)	To (m)	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Fe (%)	Au (ppb)
		Lower contact is sharp at 80° to c/a.											
152.25	154.41	**MONOLITHIC VOLCANIC BRECCIA** Maroon, fine to medium grained matrix with rounded plagioclase phyric basalt fragments. Breccia is fragment supported. Ragged to wispy plagioclase phenocrysts are altered to calcite. Trace disseminated very fine grained sulphide and trace disseminated and wispy native copper. Lower contact is sharp at 70° to c/a.	Trace diss. very fine grained sulphide and native copper										
154.41	155.00	**SANDSTONE** Maroon, fine grained calcareous sandstone. Lower contact is sharp at 65° to c/a.											
155.00	157.09	**PLAGIOCLASE PHYRIC BASALT** Grey green, fine grained basalt with <1mm to 2mm ragged plagioclase phenocrysts making up to 20% of the rock. Minor subrounded fragments (autobreccia) of similar lithology within unit. Trace disseminated fine grained pyrite throughout and <1% specular hematite. 155.50-156.00: penetrative weak to moderate hematite alteration											
157.09	157.89	**MONOLITHIC VOLCANIC BRECCIA** Maroon, fine to medium grained matrix with rounded to subrounded plagioclase phyric basalt fragments making up 90% of rock. Breccia is fragment supported. Ragged to wispy plagioclase phenocrysts are altered to carbonate.											
	157.89	**END OF HOLE**											

Crest Geological

Property: **Rim**
Core Size: NQ

GEOTECHNICAL DATA SHEET

Client: *phelps dodge Corp. of Canada,*
Drill Nole No.: **RP03-07**
Date: February 17,2003

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	4.62	4.62					O/B	136.55	139.60	3.05	3.05	100.00	1.91	62.62	
4.62	5.49	0.87	0.85	97.70	0.22	25.29		139.60	142.65	3.05	3.05	100.00	1.77	58.03	
5.49	8.53	3.04	1.63	53.62	0.00	0.00	Fault	142.65	145.69	3.04	3.05	100.33	0.96	31.58	
8.53	11.58	3.05	1.40	45.90	0.14	4.59	Fault	145.69	148.74	3.05	3.05	100.00	1.30	42.62	
11.58	14.63	3.05	1.58	51.80	0.00	0.00	Fault	148.74	151.79	3.05	3.05	100.00	2.34	76.72	
14.63	17.68	3.05	2.75	90.16	0.30	9.84	Fault	151.79	154.84	3.05	3.05	100.00	2.80	91.80	
17.68	20.73	3.05	2.79	91.48	1.37	44.92		154.84	157.89	3.05	3.05	100.00	2.24	73.44	EOH
20.73	23.77	3.04	2.96	97.37	1.81	59.54									
23.77	26.82	3.05	3.05	100.00	1.33	43.61									
26.82	29.87	3.05	3.05	100.00	1.73	56.72									
29.87	32.92	3.05	3.05	100.00	1.44	47.21									
32.92	35.97	3.05	3.05	100.00	1.23	40.33									
35.97	39.01	3.04	3.05	100.33	0.29	9.54									
39.01	42.06	3.05	3.05	100.00	1.69	55.41									
42.06	45.11	3.05	3.00	98.36	1.69	55.41									
45.11	48.16	3.05	3.05	100.00	1.53	50.16									
48.16	51.21	3.05	2.97	97.38	1.09	35.74									
51.20	54.25	3.05	3.05	100.00	2.03	66.56									
54.25	57.30	3.05	3.05	100.00	0.96	31.48									
57.30	60.35	3.05	3.03	99.34	2.03	66.56									
60.35	63.40	3.05	3.05	100.00	1.21	39.67									
63.40	66.45	3.05	3.04	99.67	1.72	56.39									
66.45	69.49	3.04	3.05	100.33	2.45	80.59									
69.49	72.54	3.05	2.98	97.70	2.36	77.38									
72.54	75.59	3.05	3.05	100.00	2.55	83.61									
75.59	78.64	3.05	3.05	100.00	2.47	80.98									
78.64	81.69	3.05	3.01	98.69	2.33	76.39									
81.69	84.73	3.04	3.05	100.33	2.56	84.21									
84.73	87.78	3.05	3.05	100.00	2.45	80.33									
87.78	90.83	3.05	3.05	100.00	2.16	70.82									
90.83	93.88	3.05	3.01	98.69	2.09	68.52									
93.88	96.93	3.05	3.03	99.34	2.65	86.89									
96.93	99.97	3.04	3.05	100.33	2.53	83.22									
99.97	103.02	3.05	3.02	99.02	2.48	81.31									
103.02	106.07	3.05	3.05	100.00	2.73	89.51									
106.07	109.12	3.05	3.05	100.00	2.76	90.49									
109.12	112.17	3.05	3.05	100.00	2.77	90.82									
112.17	115.21	3.04	3.02	99.34	2.53	83.22									
115.21	118.26	3.05	2.99	98.03	2.87	94.10									
118.26	121.31	3.05	3.05	100.00	2.76	90.49									
121.31	124.36	3.05	3.05	100.00	2.67	87.54									
124.36	127.41	3.05	3.05	100.00	1.93	63.28									
127.41	130.45	3.04	3.05	100.33	2.00	65.79									
130.45	133.50	3.05	3.05	100.00	1.91	62.62									
133.50	136.55	3.05	2.96	97.05	2.12	69.51									

RIM PROPERTY
CORE GEOCHEMICAL DATA

	Drillhole No.	Sample No.	From(m)	To(m)	Length	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)
1	RP02-01	13101	10.90	13.00	2.10	0.9	56.8	4.6	71	0.1	20.4	26.5	1030	5.3	3.3	0.6	1.4	1.5	165	0.1	0.1	0.1	249	2.36	0.287	13	41.5	2.47	46	0.194	13	3.53	2.087	0.2	0.6	0.02	8.4	0.1	0.1	10	
2	RP02-01	13102	13.00	15.00	2.00	0.9	78.8	4.3	78	0.1	18.4	25.9	1087	5.77	3.6	0.6	0.5	1.6	153	0.1	0.1	0.1	257	2.23	0.248	14	38.9	2.42	32	0.19	12	3.97	2.512	0.11	0.2	0.03	9.1	0.1	0.05	12	
[illegible]	[illegible]2-01	13103	15.00	17.00	2.00	0.8	76	4.6	65	0.2	16.6	25.5	1012	5.59	3.1	0.8	1.3	1.9	141	0.1	0.1	0.1	260	2.69	0.26	13	35.4	2.21	34	0.181	16	3.56	2.109	0.15	0.6	0.03	7.9	0.1	0.05	9	
[illegible]	[illegible]2-01	13104	17.00	19.00	2.00	1	65.9	4.9	67	0.1	19.4	24.8	1026	5.26	2.8	0.8	3.5	1.9	182	0.1	0.1	0.1	237	2.47	0.272	14	34.1	2.27	41	0.175	17	3.49	2.048	0.17	0.3	0.02	7.7	0.1	0.05	11	
5	RP02-01	13105	19.00	21.00	2.00	1.3	59.1	4.9	75	0.2	20.1	28.4	1143	5.59	3.3	0.8	3.4	1.9	178	0.1	0.1	0.1	234	2.83	0.263	14	35.6	2.39	36	0.192	13	3.74	2.124	0.16	0.4	0.04	8.7	0.1	0.05	11	
6	RP02-01	13106	21.00	23.00	2.00	0.9	41.8	5	68	0.1	19	25.8	1094	5.13	3.7	0.8	2	1.8	184	0.1	0.1	0.1	232	3.37	0.263	14	34	2.16	42	0.178	14	3.68	2.171	0.15	0.3	0.01	7.9	0.1	0.05	12	
7	RP02-01	13107	23.00	25.00	2.00	1.6	106	6.7	86	0.1	23.8	29.8	1147	6.19	7.6	0.9	2.4	2.1	212	0.1	0.1	0.1	245	3.5	0.319	15	53.5	2.7	44	0.209	9	3.85	2.023	0.22	0.5	0.03	10	0.1	0.05	12	
8	RP02-01	13108	25.00	27.00	2.00	1.2	56.5	5.4	86	0.1	22.4	27.2	1113	5.62	5.7	0.9	2.8	2.2	182	0.1	0.1	0.1	230	2.51	0.298	16	42.4	2.36	43	0.189	14	3.94	2.34	0.16	0.4	0.02	8	0.1	0.05	11	
9	RP02-01	13109	27.00	29.00	2.00	0.8	46	4.8	67	0.1	46.9	26.8	968	5.08	5.1	0.8	2.1	2	176	0.1	0.1	0.1	212	2.64	0.258	13	39.8	2.14	81	0.181	12	3.54	2.06	0.16	0.5	0.01	6.7	0.1	0.05	9	
10	RP02-01	13110	29.00	31.00	2.00	1.3	110.7	4.2	82	0.1	24.3	29.2	1166	5.52	7.7	0.8	5.9	2	184	0.1	0.1	0.1	239	2.3	0.265	14	55	2.4	38	0.192	15	3.86	2.007	0.16	0.4	0.01	7.2	0.1	0.05	12	
11	RP02-01	13111	31.00	33.00	2.00	1	52.6	5.3	76	0.1	21.6	27.3	1008	5.75	8.1	0.9	3.3	2.1	161	0.1	0.1	0.1	246	2.71	0.288	15	45.2	2.49	35	0.194	14	3.83	2.127	0.15	0.2	0.01	9.1	0.1	0.05	12	
12	RP02-01	13112	33.00	35.00	2.00	0.9	39.2	4.9	77	0.1	20.4	27	1076	5.25	8.2	0.9	3.5	2.2	160	0.1	0.1	0.1	228	3.33	0.267	14	43.1	2.2	29	0.197	15	3.32	1.911	0.17	0.5	0.02	9.4	0.1	0.05	10	
13	RP02-01	13113	35.00	37.00	2.00	1.2	215	5	73	0.1	21.7	27.7	1278	5.47	8.3	0.9	2.9	2.2	172	0.1	0.1	0.1	242	4.15	0.281	16	41.7	1.77	33	0.195	10	3.9	2.401	0.1	0.2	0.02	8.9	0.1	0.05	11	
14	RP02-01	13114	37.00	39.00	2.00	1.3	335.8	5.5	78	0.2	21.1	26.4	1264	5.68	9.3	0.9	2.5	2.2	162	0.1	0.1	0.1	244	3.76	0.258	16	46.6	1.72	31	0.191	10	3.41	2.056	0.12	0.4	0.03	10.3	0.1	0.05	10	
15	RP02-01	13115	39.00	41.00	2.00	1.4	342.6	5	71	0.1	19.9	25.7	1054	5.57	9.2	1	2.9	2.2	164	0.1	0.1	0.1	235	3.8	0.267	15	42.3	1.7	26	0.159	12	3.44	1.991	0.11	0.2	0.02	9.3	0.1	0.05	9	
16	RP02-01	13116	41.00	43.00	2.00	1.2	316.5	4.5	83	0.1	26.6	29.4	1017	6.23	10.2	0.8	3.7	2	202	0.1	0.1	0.1	274	3.88	0.288	16	53	2.14	24	0.108	12	3.62	1.887	0.09	0.2	0.01	11.6	0.1	0.05	12	
17	RP02-01	13117	43.00	45.00	2.00	1	436	4.6	59	0.1	43.1	28.5	1507	4.86	9.2	0.6	3.4	1.3	243	0.2	0.1	0.1	219	8.85	0.194	10	69.7	2.03	16	0.119	11	2.4	0.525	0.08	0.2	0.03	13.3	0.1	0.17	10	
18	RP02-01	13118	45.00	47.00	2.00	1	121.1	6.3	55	0.1	56.8	29.7	1030	5.28	13.1	0.5	2.8	0.9	168	0.1	0.1	0.1	164	4.94	0.162	8	84.4	1.82	31	0.164	14	2.53	1.157	0.21	0.2	0.01	9.8	0.1	0.07	6	
19	RP02-01	13119	47.00	49.00	2.00	0.7	14.9	3.4	56	0.1	88.4	35.1	977	4.77	7	0.4	4.2	0.6	248	0.1	0.1	0.1	213	4.24	0.16	6	72.2	2.8	44	0.14	19	2.43	0.969	0.22	0.2	0.01	7.2	0.1	0.06	6	
20	RP02-01	13120	49.00	51.00	2.00	0.6	9.1	2.5	55	0.1	97.9	35.6	973	4.85	3.2	0.3	4.5	0.6	270	0.1	0.1	0.1	214	3.94	0.154	5	115.9	3.46	51	0.117	19	2.38	1.046	0.15	0.2	0.02	6	0.1	0.05	7	
21	RP02-01	13121	51.00	53.00	2.00	1.2	21.5	5.7	60	0.1	61.2	30.9	1058	5.17	2.1	0.5	4.2	0.8	167	0.1	0.1	0.1	289	3.9	0.162	8	97.1	3.42	30	0.19	22	2.6	1.078	0.27	0.2	0.01	10.6	0.1	0.05	9	
22	RP02-01	13122	53.00	55.00	2.00	0.9	19.2	5.2	62	0.1	66.5	33.6	914	5.67	2	0.4	5.5	0.8	140	0.1	0.1	0.1	268	2.57	0.174	7	67.5	3.2	30	0.189	21	2.11	0.844	0.07	0.2	0.03	9	0.1	0.05	8	
23	RP02-01	13123	55.00	57.00	2.00	0.9	28.9	4.9	60	0.1	53.9	28.4	796	4.65	2.1	0.5	2.1	0.8	125	0.1	0.1	0.1	229	2.58	0.182	7	62.4	2.89	27	0.175	12	1.82	0.563	0.06	0.4	0.01	7.7	0.1	0.05	8	
24	RP02-01	13124	57.00	59.00	2.00	1.4	45.6	8	81	0.1	62.9	36.7	1002	6.23	1.8	0.6	6.8	1	186	0.1	0.1	0.1	251	5.5	0.22	9	166.8	2.59	34	0.228	18	3.98	2.222	0.36	0.1	0.01	10.8	0.1	0.05	10	
25	RP02-01	13125	59.00	61.00	2.00	1.5	44.9	6.6	74	0.1	43.9	30.3	1152	5.48	1.1	0.6	4.6	1.1	164	0.1	0.1	0.1	251	3.36	0.2	9	82.6	2.96	23	0.23	24	3.6	1.972	0.33	0.2	0.02	9.1	0.1	0.05	9	
26	RP02-01	13126	61.00	63.00	2.00	0.9	46.4	7.6	68	0.1	40	27.1	888	4.98	2.3	0.6	2.8	1.1	117	0.1	0.1	0.1	208	2.74	0.201	9	46.3	2.47	28	0.226	15	2.72	1.59	0.13	0.2	0.01	8.2	0.1	0.05	9	
27	RP02-01	13127	63.00	65.00	2.00	0.5	31.5	6.2	57	0.1	41.5	27.8	751	4.51	2.1	0.5	8.7	1	102	0.1	0.1	0.1	184	3.33	0.181	8	47.2	1.61	25	0.198	9	2.4	1.389	0.09	0.2	0.01	5.6	0.1	0.05	7	
28	RP02-01	13128	65.00	67.00	2.00	0.9	41.6	6.6	72	0.1	48.4	28.9	1242	5.07	2.2	0.5	1.4	1.1	171	0.1	0.1	0.1	278	2.76	0.206	9	47.2	1.74	35	0.198	15	3.2	1.973	0.09	0.4	0.01	5.6	0.1	0.05	9	
29	RP02-01	13129	67.00	69.00	2.00	0.9	60	6.5	72	0.1	44.8	28.2	1000	4.89	2.2	0.7	2.9	1.1	95	0.1	0.1	0.1	239	3.35	0.201	8	27.4	2.09	26	0.223	15	3.33	1.994	0.1	0.2	0.01	6.5	0.1	0.05	10	
30	RP02-01	13129A	69.00	71.00	2.00	1	75.6	5.8	73	0.1	47.7	26.8	1067	4.96	2.5	0.6	1.5	1.1	106	0.1	0.1	0.1	258	3.4	0.179	8	31.1	2.13	25	0.208	16	2.93	1.849	0.09	0.3	0.01	5.9	0.1	0.05	10	
31	RP02-01	13130	71.00	73.00	2.00	1.5	79.7	6.7	71	0.1	54	30.9	923	5.38	1.8	0.6	3.3	1	135	0.1	0.1	0.1	222	4.35	0.183	8	109.2	2.1	26	0.238	26	3.42	2.054	0.24	0.4	0.01	7.6	0.1	0.05	9	
32	RP02-01	13131	73.00	75.00	2.00	1	25.6	5.1	66	0.1	64.1	35.2	1125	4.94	1.5	0.4	2.9	0.7	121	0.1	0.1	0.1	238	3.86	0.146	6	93.5	2.73	24	0.201	21	2.37	1.142	0.1	0.7	0.02	6.1	0.1	0.05	9	
33	RP02-01	13132	75.00	77.00	2.00	0.8	48.1	4.9	60	0.1	55.7	28.7	862	4.66	1	0.4	3.7	0.6	125	0.1	0.1	0.1	228	3.37	0.14	6	81.7	2.14	19	0.192	22	2.88	1.37	0.19	0.4	0.01	6.2	0.1	0.14	8	
34	RP02-01	13133	77.00	79.00	2.00	0.9	36.9	3.7	65	0.1	56.9	32.6	945	4.72	1	0.3	5.2	0.5	142	0.1	0.1	0.1	223	2.86	0.113	5	50.8	2	20	0.175	24	2.58	1.395	0.15	0.7	0.01	4.7	0.1	0.1	7	
35	RP02-01	13134	79.00	81.00	2.00	0.9	79.6	5.9	63	0.1	48.6	25.8	847	4.48	0.7	0.4	6.6	0.7	123	0.1	0.1	0.1	199	2.36	0.155	7	33.2	2.3	19	0.204	21	2.98	1.573	0.17	0.2	0.01	5.6	0.1	0.07	9	
36	RP02-01	13135	81.00	83.00	2.00	0.8	77	6.7	59	0.1	39.8	23.7	1026	4.14	1.5	0.3	2.5	0.7	132	0.1	0.1	0.1	173	2.77	0.166	7	31.2	1.79	27	0.187	13	2.83	1.696	0.09	0.7	0.01	4.9	0.1	0.05	8	
37	RP02-01	13136	83.00	85.00	2.00	0.7	69.4	5.6	65	0.1	48.9	28.4	1025	4.68	1	0.4	2	0.8	180	0.1	0.1	0.1	222	2.91	0.181	7	80.9	1.77	30	0.202	27	3.7	2.179	0.24	0.2	0.01	5.2	0.1	0.05	8	
38	RP02-01	13137	85.00	87.00	2.00	0.9	117.8	5.8	57	0.1	45.1	22.6	814	4.74	1.3	0.4	4.1	0.9	126	0.1	0.1	0.1	238	3.45	0.16	8	33.7	1.73	17	0.197	19	3.08	1.718	0.19	0.5	0.01	4.9	0.1	0.05	8	
39	RP02-01	13138	87.00	89.00	2.00	0.8	57.7	3.4	56	0.1	51.2	25	1110	4.46	0.7	0.3	2.6	0.7	290	0.1	0.1	0.1	213	2.07	0.164	7	25.4	1.82	37	0.175	19	2.9	1.438	0.05	0.3	0.01	2.4	0.1	0.05	8	
40	[illegible]02-01	13139	89.00	91.00	2.00	0.8	104.3	5.2	62	0.1	45	25.3	804	4.16	1.1	0.5	4.6	0.8	107	0.1	0.1	0.1	200	3.3	0.155	7	46	1.78	15	0.19	41	2.88	1.579	0.2	0.5	0.01	5.3	0.1	0.05	8	
4[illegible]	[illegible]2-01	13140	91.00	93.00	2.00	0.9	112.5	5.4	59	0.1	41.4	30.3	1009	4.72	0.9	0.4	3.5	0.7	138	0.1	0.1	0.1	235	3.11	0.156	7	84.7	1.65	19	0.196	30	3.54	2.058	0.39	0.2	0.01	6.9	0.1	0.05	9	
42	[illegible]02-01	13141	93.00	95.00	2.00	0.9	158	4.6	59	0.1	27.5	27.4	902	4.7	0.6	0.3	1.8	0.7	102	0.1	0.1	0.1	270	2.06	0.13	7	47	1.49	16	0.192	21	3.17	1.96	0.13	0.7	0.01	5.3	0.1	0.05	8	
43	RP02-01	13142	95.00	97.00	2.00	1	70.7	4.7	75	0.1	40.1	27.3	1146	5.02	0.7	0.3	3	0.7	103	0.1	0.1	0.1	230	1.99	0.153	7	63.5	1.93	18	0.197	27	3.57	2.047	0.12	0.2	0.01	5	0.1	0.05	9	
44	RP02-01	13143	97.00	99.00	2.00	1	174.2	4.6	67	0.1	35.9	29.2	1084	4.91	1	0.3	2.5	0.7	226	0.1	0.1	0.1	236	2.05	0.13	6	60.4	1.73	18	0.194	117	3.26	1.814	0.09	0.8	0.01	4.5	0.1	0.05	8	
45	RP02-01	13144	99.00	101.00	2.00	0.8	61.6	4.7	57	0.1	32.8	23.6	968	4.57	0.5	0.3	1.5	0.5	125	0.1	0.1	0.1	220	2.25	0.118	6	60.4	1.48	19	0.177	41	3.03	1.854	0.06	0.4	0.01	4.9	0.1	0.05	7	
46	RP02-01	13145	101.00	103.00	2.00	0.6	200.3	4.3	63	0.1	31.4	24.2	891	4.66	0.7	0.3	2.8	0.6	102	0.1	0.1	0.1	242	1.93	0.121	6	57.3	1.45	15	0.174	31	3.23	2.176	0.06	0.7	0.01	5.1	0.1	0.05	8	
47	RP02-01	13146	103.00	105.00	2.00	1.2	123.9	6.3	64	0.1	41.7	28	1297	5.2	1.1	0.3	4.8	0.7	130	0.1	0.1	0.1	258	1.98	0.14	6	43	2.01	18	0.196	27	3.49	1.899	0.15	0.4	0.01	5.7	0.1	0.05	9	
48	RP02-01	13147	105.00	107.00	2.00	0.6	44.8	5.2	62	0.1	55.1	28.5	1255	4.82	1.4	0.3	29.6	0.7	108	0.1	0.1	0.1	197	1.6	0.146	6	30	2.19	19	0.186	13	3.06	1.754	0.09	0.2	0.01	6	0.1	0.05	9	
49	RP02-01	13148	107.00	109.00	2.00	0.7	55.4	4	59	0.1	56.5	27.9	1107	4.22	1.5	0.3	5.1	0.6	181	0.1	0.1	0.1	192	2.4	0.141	6	29.3	1.88	25	0.165	52	2.69	1.48	0.05	0.7	0.01	4.1	0.1	0.05	7	
50	RP02-01	13149	109.00	111.00	2.00	0.8	138.8	1.5	63	0.1	61	31.4	1380	5.09	1	0.3	3.7	0.6	356	0.1	0.1	0.1	245	2.1	0.137	5	29	2.2	58	0.191	11	2.78	0.847	0.05	0.2	0.01	2.5	0.1	0.05	7	
51	RP02-01	13150	111.00	113.00	2.00	1	52.5	4.4	58	0.1	37.4	27.1	1586	4.74	0.7	0.4	2.1	0.7	228	0.1	0.1	0.1	229	2.41	0.159	7	65.5	1.75	18	0.191	24	2.88	1.517	0.06	0.7	0.01	4.5	0.1	0.05	8	
52	RP02-01	13151	113.00	115.00	2.00	0.9	283.5	4.4	58	0.1	30.3	24	1262	4.85	0.5	0.4	2.2	0.8	478	0.1	0.1	0.1	272	2.26	0.165	6	72.2	1.44	17	0.175	13	2.42	0.839	0.05	0.3	0.01	3.5	0.1	0.05	7	
53	RP02-01	13152	115.00	117.00	2.00	1.4	49.2	5.1	64	0.1	47.2	33.3	2749	5.13	0.7	0.4	0.9	0.9	210	0.1	0.1	0.1	279	2.17	0.166	7	45.1	1.86	14	0.211	19	2.82	1.479	0.1	0.4	0.01	6.4	0.1	0.05	8	
54	RP02-01	13153	117.00	119.00	2.00	1.4	49.6	5.1	65	0.1	61.7	32.3	2863	5.11	1	0.4	2.3	0.8	108	0.1	0.2	0.1	224	3.24	0.172	7	65.7	2.24	15	0.195	14	2.66	1.271	0.07	0.7	0.01	5.9	0.1	0.05	8	
55	RP02-01	13154	119.00	121.00	2.00	1.4	52.7	4.6	58	0.1	67.5	32.1	1895	4.82	0.7	0.4	0.9	0.8	108	0.1	0.1	0.1	266	4.16	0.174	7	115.4	2.33	12	0.192	16	2.32	1.084	0.06	0.5	0.01	5	0.1	0.05	7	
56	RP02-01	13155	121.00	123.00	2.00	1.6	145.2	5	63	0.1	66.7	34.8	2415	5.15	1.1	0.4	0.6	0.8	131	0.1	0.1	0.1	232	2.32	0.178	7	142.3	2.26	13	0.202	18	2.33	1.009	0.07	0.9	0.01	5	0.1	0.05	8	
57	RP02-01	13156	123.00	125.00	2.00	1.1	133.3	4.5	55	0.1	60	32.1	1479	4.63	1.1	0.3	2.7	0.8	131	0.1	0.1	0.1	259	3.36	0.159	7	104.4	2.03	14	0.186	16	2.44	1.16	0.07	0.3	0.01	4.8	0.1	0.05	7	
58	RP02-01	13157	125.00	127.00	2.00	1.1	49.3	4.3	51	0.1	65.4	29.5	1203	4.51	0.9	0.3	1.1	0.7	98	0.1	0.1	0.1	228	3.65	0.151	6	115.2	2.31	13	0.173	15	2.33	1.125	0.05	0.4	0.01	4.9	0.1	0.05	6	
59	RP02-01	13158	127.00	129.00	2.00	1	37.9	4.1	53	0.1	70.2	29.7	1698	4.53	0.8	0.3	2.9	0.7	95	0.1	0.1	0.1	256	4.9	0.152	6	123.4	2.3	14	0.169	20	2.7	1.451	0.06	0.8	0.01	5.3	0.1	0.07	7	
60	RP02-01	13159	129.00	131.00	2.00	1.2	61.6	5	63	0.1	66.1	32.4	1471	5.05	0.7	0.4	1.6	0.8	153	0.1	0.1	0.1	258	3.02	0.184	7	50.7	2.62	16	0.211	28	3.17	1.618	0.11	0.3	0.01	6.2	0.1	0.05	8	
61	RP02-01	13160	131.00	133.00	2.00	1	143.1	5.8	62	0.1	46.3	27.1	1165	4.91	0.8	0.4	2.9	1	195	0.1	0.1	0.1	258	2.3	0.189	8	33.4	1.96	19	0.212	41	3.66	2.135	0.07	0.3	0.01	4.3	0.1	0.05	9	
62	RP02-01	13161	133.00	135.00	2.00	1.1	67.3	5.6	54	0.1	69.1	32	971	4.71	1	0.4	2.5	0.8	136	0.1	0.1	0.1	226	3.5	0.151	7	67.2	2.36	21	0.189	22	2.81	1.372	0.13	0.7	0.01	4.5	0.1	0.05	8	
63	RP02-01	13162	135.00	137.00	2.00	0.6	62.9	3.4	55	0.1	91.8	35	1050	4.53	0.6	0.3	2.2	0.7	147	0.1	0.1	0.1	184	3.61	0.141	6	88.5	2.91	26	0.159	11	1.78	0.591	0.05	0.3	0.01	4.1	0.1	0.05	7	
64	RP02-01	13163	137.00	139.00	2.00	1.1	31.8	4.5	57	0.1	73.8	34	1075	5.35	1.3	0.4	3.5	0.8	199	0.1	0.1	0.1	231	3.38	0.15	6	90.7	2.35	29	0.171	19	3.15	1.649	0.13	0.3	0.01	4.5	0.1	0.05	8	
65	RP02-01	13164	139.00	141.00	2.00	1	21.8	5.8	86	0.1	37.7	27.6	962	5.19	1.5	0.4	8.5	0.9	105	0.1	0.1	0.1	222	2.15	0.2	8	41.9	1.55	25	0.193	41	3.8	2.756	0.12	0.3	0.01	4.5	0.1	0.05	8	
66	RP02-01	13165	141.00	143.00	2.00	0.9	25.6	5.5	69	0.1	31.5	26.7	1165	5.06	1.7	0.5	2.4	0.9	112	0.1	0.1	0.1	207	2.69	0.21	8	20.4	1.47	32	0.204	19	3.18	2.148	0.1	0.2	0.01	4.2	0.1	0.05	8	
67	RP02-01	13166	143.00	145.00	2.00	0.8	35.9	7.2	76	0.1	34.2	27.4	1059	5.48	2.2	0.5	2.4	1	151	0.1	0.2	0.1	254	2.87	0.222	9	27.4	1.59	34	0.21	40	4.21	2.628	0.07	0.3	0.01	4.2	0.1	0.05	10	
68	RP02-01	13167	145.00	147.00	2.00	0.9	49.2	5.7	76	0.1	38.8	29.2	994	5.28	1.8	0.5	2.7	0.9	153	0.1	0.1	0.1	261	2.4	0.199	8	22.9	1.58	27	0.201	72	3.92	2.65	0.08	0.3	0.01	4.6	0.1	0.05	9	
69	RP02-01	13168	147.00	149.00	2.00	1	398.7	6.2	77	0.1	39.2	30.4	1089	5.46	2	0.5	2.6	0.9	84	0.1	0.1	0.1	269	2.67	0.191	8	20.1	2.05	24	0.222	12	3.84	2.439	0.09	0.4	0.01	5.6	0.1	0.05	10	
70	RP02-01	13169	149.00	151.00	2.00	0.9	17.1	6.4	72	0.1	74.6	33	1196	5.69	1.9	0.4	12	0.9	126	0.1	0.1	0.1	192	2.88	0.182	8	112.2	2.58	27	0.212	22	4.1	2.347	0.2	0.2	0.01	6.7	0.1	0.05	10	
71	RP02-01	13170	151.00	153.00	2.00	1.1	19.4	9.6	78	0.1	36.4	26.3	949	5.32	2	0.5	3.3	0.9	124	0.1	0.2	0.1	228	2.5	0.204	8	59	1.97	27	0.228	51	4.14	2.734	0.22	0.4	0.01	6.2	0.1	0.05	9	
72	RP02-01	13171	153.00	155.00	2.00	1.4	15.1	6.5	83	0.1	60.5	36.6	1112	6.38	1.6	0.5	2.2	0.9	122	0.1	0.1	0.1	253	2.95	0.193	8	170.5	2.29	25	0.258	27	4.06	2.367	0.27	0.3	0.01	6.6	0.1	0.05	10	
73	RP02-01	13172	155.00	157.00	2.00	1	19.1	6.7	71	0.1	60.9	33	908	5.45	1.5	0.5	5.7	0.9	117	0.1	0.1	0.1	187	2.16	0.199	9	93.2	2.42	27	0.22	26	4.45	2.613	0.21	0.3	0.01	5.6	0.1	0.05	9	
74	RP02-01	13173	157.00	159.00	2.00	0.6	54.7	3.3	62	0.1	72.5	29.9	904	4.88	1.1	0.3	3.3	0.8	166	0.1	0.1	0.1	195	3.06	0.161	6	45	2.02	32	0.17	14	2.04	1.023	0.05	0.2	0.01	2.8	0.1	0.05	7	
75	RP02-01	13174	159.00	161.00	2.00	0.7	54	3.7	57	0.1	75.1	31.3	897	4.65	1.1	0.4	3.2	0.7	230	0.1	0.1	0.1	207	2.2	0.161	6	45.5	2.39	34	0.158	15	2.53	1.327	0.04	0.5	0.01	2.8	0.1	0.05	7	
76	RP02-01	13175	161.00	163.00	2.00	0.7	68.4	3.9	57	0.1	76.6	32.1	936	5.06	1.7	0.4	3.7	0.7	165	0.1	0.1	0.1	233	2.41	0.16	7	50.6	2.56	28	0.172	16	2.34	1.279	0.04	0.3	0.01	3.1	0.1	0.05	7	
77	RP02-01	13176	163.00	165.00	2.00	1.2	61.7	6.2	71	0.1	51.1	28.4	1018	4.88	1.7	0.5	3.9	0.8	137	0.1	0.1	0.1	160	3.31	0.2	8	84.2	2.04	32	0.207	130	4.48	2.945	0.22	0.4	0.01	5.4	0.1	0.05	9	
7[illegible]	[illegible]-01	13177	165.00	167.00	2.00	0.7	122.3	5.8	58	0.1	34.5	24.8	864	4.47	1.9	0.3	1.7	0.7	99	0.1	0.1	0.1	206	3.34	0.181	7	71.9	1.45	24	0.181	12	3.39	2.235	0.08	0.4	0.01	3.5	0.1	0.05	7	
79	[illegible]2-01	13178	167.00	169.00	2.00	0.8	80.9	6.1	62	0.1	39.9	25.7	890	4.73	2.4	0.4	1.6	0.8	95	0.1	0.1	0.1	219	4.2	0.189	7	68.8	1.75	23	0.2	14	3.32	2.198	0.07	0.3	0.01	4.1	0.1	0.05	7	
80	RP02-01	13179	169.00	171.00	2.00	1.2	59.2	6.1	65	0.1	68.3	32.1	1044	4.95	1.8	0.4	7.1	0.8	106	0.1	0.1	0.1	206	2.6	0.181	8	33.3	2.31	23	0.211	23	3.67	2.113	0.15	0.3	0.01	4.4	0.1	0.05	9	
81	RP02-01	13180	171.00	173.00	2.00	1	40.9	5.4	60	0.1	67.5	27.7	809	4.4	1.6	0.4	3.3	0.7	88	0.1	0.1	0.1	197	4.13	0.169	7	18.7	2.18	19	0.179	22	3.69	2.103	0.08	0.5	0.01	3.4	0.1	0.05	7	
82	RP02-01	13181	173.00	175.00	2.00	0.6	38.6	4.9	56	0.1	68.2	26.3	767	4.13	2	0.4	2.2	0.6	72	0.1	0.1	0.1	184	4.45	0.148	6	24.5	1.93	14	0.154	30	2.54	1.616	0.04	0.3	0.01	3.4	0.1	0.05	7	
83	RP02-01	13182	175.00	177.00	2.00	0.6	27.1	4.7	58	0.1	74.1	28.1	845	4.24	1.8	0.4	1.4	0.7	88	0.1	0.1	0.1	175	4.21	0.151	6	32.2	1.95	18	0.155	23	2.62	1.712	0.05	0.5	0.01	3.6	0.1	0.05	7	
84	RP02-01	13183	177.00	179.00	2.00	0.5	62.6	2.8	55	0.1	142.2	38.4	1054	4.42	1.7	0.3	1.7	0.6	201	0.1	0.1	0.1	152	5.07	0.129	5	65.5	3.24	33	0.116	18	2.42	1.014	0.06	0.3	0.01	4	0.1	0.05	6	
85	RP02-01	13184	179.00	181.00	2.00	0.6	15.3	3.5	61	0.1	123.8	36.7	1152	4.9	1.6	0.3	1.9	0.6	213	0.1	0.1	0.1	168	4.47	0.123	5	65.6	3.08	37	0.14	20	2.74	1.258	0.09	0.4	0.01	3.4	0.1	0.05	7	
86	RP02-01	13185	181.00	183.00	2.00	0.9	18.2	5.7	56	0.1	51.2	25.7	900	4.31	1.6	0.4	1.2	0.7	94	0.1	0.1	0.1	226	4.23	0.164	7	22.1	1.84	19	0.188	24	3.35	2.004	0.07	0.6	0.01	2.9	0.1	0.05	7	

RIM PROPERTY
CORE GEOCHEMICAL DATA

	Drillhole No.	Sample No.	From(m)	To(m)	Length	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)
87	RP02-01	13186	183.00	185.00	2.00	0.7	15.7	7.8	62	0.1	95.2	34.8	923	4.91	1.5	0.3	4.9	0.7	95	0.1	0.1	0.1	210	4.96	0.131	7	81.1	2.69	17	0.184	25	3.08	1.853	0.07	0.3	0.01	3.7	0.1	0.05	8	
88	RP02-01	13187	185.00	187.00	2.00	0.3	21.6	2.8	55	0.1	129.5	38.9	950	4.42	1.5	0.3	1.3	0.5	143	0.1	0.1	0.1	160	3.94	0.125	5	135.5	2.59	24	0.122	14	1.89	0.931	0.05	0.5	0.01	3	0.1	0.05	6	
[illegible]	02-01	13188	187.00	189.00	2.00	0.4	29.8	2.3	54	0.1	117.1	33.6	894	3.82	1.1	0.2	1.6	0.5	165	0.1	0.1	0.1	160	4.13	0.114	4	114.9	3.03	24	0.105	10	2.12	1.011	0.04	0.3	0.01	2.5	0.1	0.05	5	
[illegible]	02-01	13189	189.00	191.00	2.00	0.8	9.6	4.4	58	0.1	59.1	28.5	771	4.36	1.8	0.3	2.3	0.7	104	0.1	0.1	0.1	214	3.92	0.149	6	48.8	1.97	23	0.17	36	2.98	1.797	0.06	0.4	0.01	3.1	0.1	0.05	7	
91	RP02-01	13190	191.00	193.00	2.00	0.9	15	6.5	66	0.1	36.4	26.2	995	4.98	1.6	0.4	2.8	0.8	127	0.1	0.1	0.1	242	2.41	0.186	8	19.5	1.67	30	0.208	22	4.27	2.561	0.07	0.3	0.01	3.8	0.1	0.05	10	
92	RP02-01	13191	193.00	195.00	2.00	0.5	23.6	5.3	62	0.1	31	24.1	725	4.26	2.6	0.4	0.5	0.8	67	0.1	0.1	0.1	157	3.07	0.19	8	19.8	1.4	21	0.169	11	3.34	2.237	0.06	0.6	0.01	3.8	0.1	0.05	9	
93	RP02-01	13192	195.00	197.00	2.00	0.6	23.1	6	62	0.1	33.7	25.7	977	4.64	2	0.4	3.6	0.8	130	0.1	0.1	0.1	230	2.62	0.184	8	19.8	1.59	30	0.183	36	3.89	2.341	0.09	0.2	0.01	3.7	0.1	0.05	9	
94	RP02-01	13193	197.00	199.00	2.00	0.9	29.2	5.3	69	0.1	27.5	25.1	1354	5.28	2.2	0.4	2.5	0.8	139	0.1	0.1	0.1	222	2.86	0.187	7	19	1.75	31	0.226	14	3.81	2.461	0.09	0.5	0.01	4.8	0.1	0.05	9	
95	RP02-01	13194	199.00	201.00	2.00	0.7	28.5	5.4	64	0.1	29	25.9	1159	4.87	1.9	0.4	1.7	0.7	119	0.1	0.1	0.1	252	2.91	0.16	7	38.2	1.61	26	0.197	14	3.56	2.345	0.12	0.3	0.01	5.6	0.1	0.05	8	
96	RP02-01	13195	201.00	203.00	2.00	0.9	91.8	6	71	0.1	42.1	30.6	1230	5.15	1.9	0.5	1.6	0.7	125	0.1	0.1	0.1	201	3.93	0.166	7	100.2	1.88	21	0.21	16	4	2.36	0.29	0.8	0.01	8.6	0.1	0.05	11	
97	RP02-01	13196	203.00	205.00	2.00	0.6	33.5	3.5	50	0.1	39.6	27.1	895	4.03	1.6	0.3	1.1	0.6	116	0.1	0.1	0.1	141	2.74	0.129	5	61.7	1.52	27	0.138	10	2.15	1.512	0.04	0.7	0.01	4.8	0.1	0.05	6	
98	RP02-01	13197	205.00	207.00	2.00	0.6	58.7	3.3	53	0.1	38.6	25.5	889	3.72	1.3	0.2	1.4	0.5	132	0.1	0.1	0.1	144	3.01	0.121	5	54	1.38	26	0.127	9	2.03	1.392	0.03	0.3	0.01	4.3	0.1	0.05	6	
99	RP02-01	13198	207.00	209.00	2.00	0.6	49	3.4	58	0.1	45.1	26.9	902	4.03	1.3	0.3	1.9	0.6	117	0.1	0.1	0.1	189	3.16	0.131	5	57.6	1.66	24	0.14	40	2.34	1.67	0.04	0.9	0.01	4.6	0.1	0.05	7	
100	RP02-01	13199	209.00	211.00	2.00	0.6	70.5	3.7	59	0.1	45.2	27	959	4.33	1.4	0.3	2	0.5	110	0.1	0.1	0.1	200	2.47	0.124	5	53.8	1.91	25	0.167	96	2.23	1.461	0.05	0.4	0.01	5.3	0.1	0.05	8	
101	RP02-01	13200	211.00	213.00	2.00	0.8	134.9	4.8	65	0.1	41	27.8	955	4.87	1.7	0.4	1.4	0.7	171	0.1	0.1	0.1	161	3.54	0.158	7	88.9	1.8	43	0.175	22	3.62	2.802	0.22	0.6	0.01	5.7	0.1	0.05	9	
102	RP02-01	13201	213.00	215.00	2.00	0.9	66.6	5.6	66	0.1	29.3	27.3	783	5.04	1.8	0.6	1.4	0.8	136	0.1	0.1	0.1	201	2.5	0.173	7	59.3	1.79	41	0.198	23	4.14	3.162	0.31	0.2	0.01	5.6	0.1	0.05	9	
103	RP02-01	13202	215.00	217.00	2.00	0.6	43.1	5.4	67	0.1	61.1	29.8	998	5.08	1.6	0.7	4.9	0.8	196	0.1	0.1	0.1	190	2.53	0.177	7	104	3.3	42	0.172	29	4.31	2.897	0.34	0.2	0.01	5.7	0.1	0.05	10	
104	RP02-01	13203	217.00	219.00	2.00	0.5	24	6.2	58	0.1	34.1	27.4	967	5.02	1.1	0.7	1.5	0.9	244	0.1	0.1	0.1	185	1.9	0.201	8	105.2	3.07	56	0.113	31	5.01	3.237	0.46	0.1	0.01	8.1	0.1	0.05	10	
105	RP02-01	13204	219.00	221.00	2.00	0.5	29.5	5.7	67	0.1	49.2	32.7	998	5.26	1.4	0.6	3.7	0.8	227	0.1	0.1	0.1	205	1.89	0.186	8	114.6	3.52	51	0.147	30	4.88	3.093	0.37	0.1	0.01	7.1	0.1	0.05	10	
106	RP02-01	13205	221.00	223.00	2.00	0.8	201.8	5.5	69	0.1	42.2	27.5	947	4.86	2.4	0.4	3	0.8	115	0.1	0.1	0.1	224	2.9	0.157	7	30	2.17	32	0.2	19	3.03	1.916	0.12	0.3	0.01	5.4	0.1	0.05	9	
107	RP02-01	13206	223.00	225.00	2.00	0.5	296	5.5	54	0.1	43.4	24.2	999	4.27	2.4	0.4	1.6	0.8	84	0.1	0.1	0.1	172	4.19	0.127	6	34.4	1.47	27	0.166	33	2.68	1.782	0.06	0.4	0.01	5.4	0.1	0.05	8	
108	RP02-01	13207	225.00	227.00	2.00	0.5	201.2	5.5	67	0.1	40.8	27.6	984	4.58	2.4	0.4	1.5	0.8	79	0.1	0.1	0.1	204	2.83	0.143	6	36.7	1.61	27	0.184	18	2.74	2.002	0.07	0.2	0.01	6.2	0.1	0.05	8	
109	RP02-01	13208	227.00	229.00	2.00	0.5	72.9	5.8	62	0.1	40.7	26.3	1014	4.46	2.4	0.4	2.4	0.8	86	0.1	0.1	0.1	205	3.29	0.143	6	38.5	1.77	24	0.181	21	2.84	1.919	0.05	0.5	0.01	4.9	0.1	0.05	9	
110	RP02-01	13209	229.00	231.00	2.00	0.6	66.1	5.3	62	0.1	42.8	26.4	1223	4.68	2.1	0.4	2.6	0.8	145	0.1	0.1	0.1	165	2.93	0.136	6	38	1.79	37	0.176	15	2.86	1.869	0.07	0.3	0.01	4	0.1	0.05	8	
111	RP02-01	13210	231.00	233.00	2.00	0.7	39.7	5.7	58	0.1	45.7	27.7	877	4.88	2.3	0.5	3.6	0.8	131	0.1	0.1	0.1	172	3.45	0.144	6	90.3	1.85	32	0.171	16	3.48	2.331	0.18	0.4	0.01	4.5	0.1	0.05	8	
112	RP02-01	13211	233.00	235.00	2.00	0.7	21	5.2	56	0.1	92.7	33.7	841	5.1	2.3	0.6	4.9	0.8	161	0.1	0.1	0.1	170	3	0.155	7	225.3	3.06	29	0.175	23	3.65	1.918	0.35	0.2	0.01	5.1	0.1	0.05	8	
113	RP02-01	13212	235.00	237.00	2.00	0.5	27	4.5	51	0.1	113.9	33.5	949	5.04	1.7	0.5	3.2	0.8	275	0.1	0.1	0.1	179	5.17	0.166	7	170.6	3.2	36	0.113	21	3.6	1.592	0.41	0.2	0.01	5.6	0.1	0.05	8	
114	RP02-01	13213	237.00	239.00	2.00	0.6	26.3	5.8	59	0.1	83.2	34.7	935	4.94	2.1	0.5	9.8	0.8	198	0.1	0.1	0.1	163	2.89	0.124	6	107	2.96	37	0.152	23	3.72	2.048	0.27	0.1	0.01	5	0.1	0.05	8	
115	RP02-01	13214	239.00	241.00	2.00	1	38.2	6.5	56	0.1	70.7	30.4	928	4.86	3	0.6	4	0.8	133	0.1	0.1	0.1	182	3.8	0.157	7	84.4	2.53	25	0.191	22	3.67	2.419	0.18	0.3	0.01	4.7	0.1	0.05	9	
116	RP02-01	13215	241.00	243.00	2.00	0.7	144.9	5.9	57	0.1	63	27.4	875	4.68	4.1	0.5	3	0.9	106	0.1	0.1	0.1	221	4.02	0.173	7	53.3	1.94	22	0.19	16	2.92	2.023	0.06	0.3	0.01	4.1	0.1	0.05	8	
117	RP02-01	13216	243.00	245.00	2.00	0.5	77.9	6.1	52	0.1	66.3	26.5	1010	4.56	3.8	0.4	4.3	0.8	118	0.1	0.1	0.1	213	4.39	0.149	6	39.7	2.14	25	0.19	16	3.09	1.924	0.04	0.4	0.01	3.9	0.1	0.05	8	
118	RP02-01	13217	245.00	247.00	2.00	0.6	86.5	6	54	0.1	65.8	28.4	868	4.8	3.8	0.4	4.3	0.9	115	0.1	0.1	0.1	224	3.4	0.167	7	53.9	2.23	24	0.193	16	3.52	2.413	0.04	0.2	0.01	5.1	0.1	0.05	9	
119	RP02-01	13218	247.00	249.00	2.00	0.7	89.9	6.1	59	0.1	66.2	31.4	1075	4.98	3.8	0.4	4.1	0.9	120	0.1	0.1	0.1	219	3.79	0.16	7	48.5	2.39	23	0.204	16	3.54	2.373	0.05	0.3	0.01	6	0.1	0.05	9	
120	RP02-01	13219	249.00	251.00	2.00	0.6	205.6	5.6	59	0.1	65.8	28.2	974	4.99	4.4	0.5	3.1	0.9	106	0.1	0.1	0.1	236	4.05	0.156	7	47.1	2.56	22	0.215	16	2.82	1.599	0.08	0.3	0.01	8.7	0.1	0.05	9	
121	RP02-01	13220	251.00	252.37	1.37	0.7	210.5	6.2	59	0.1	68.2	29.7	1116	5.27	4	0.4	3	0.9	125	0.1	0.1	0.1	245	5.64	0.156	7	42.3	2.42	22	0.208	15	3.42	2.074	0.08	0.4	0.01	7.6	0.1	0.05	9	
122	RP02-02	13221	10.90	13.00	2.10	1.1	127.2	5.1	70	0.1	21.2	30.2	1207	5.55	4.5	0.8	2.8	2.1	157	0.1	0.1	0.1	226	3.4	0.256	14	42.4	2.16	39	0.197	15	3.75	2.166	0.16	0.5	0.02	9.1	0.1	0.05	11	
123	RP02-02	13222	13.00	15.00	2.00	1	232.7	4.8	78	0.1	20.8	29.1	1386	5.6	5.2	0.9	2.2	2.5	179	0.1	0.1	0.1	247	3.37	0.266	16	40.1	2.29	39	0.218	16	3.84	2.249	0.17	0.2	0.07	8.4	0.1	0.05	10	
124	RP02-02	13223	15.00	17.00	2.00	1.1	65.8	5.3	80	0.1	23.8	31.8	1430	6.11	4.4	0.8	1.5	2.1	172	0.1	0.1	0.1	261	3.58	0.264	14	53.3	2.75	38	0.232	17	3.97	2.177	0.18	0.4	0.02	10.8	0.1	0.05	11	
125	RP02-02	13224	17.00	19.00	2.00	1	117.1	5.5	71	0.1	20.9	31.1	1182	6.08	4.2	0.9	3.6	2.1	223	0.1	0.1	0.1	257	3.29	0.26	14	43.4	2.43	49	0.211	17	4.28	2.478	0.2	0.3	0.04	9.3	0.1	0.05	10	
126	02-02	13225	19.00	21.00	2.00	1.2	560.8	5.3	74	0.2	23.2	29.7	1231	5.75	2.4	1	3.4	2.5	180	0.1	0.1	0.1	254	2.79	0.304	15	56.7	2.28	40	0.194	18	3.62	2.099	0.13	0.6	0.02	7.7	0.1	0.05	10	
[illegible]	2-02	13226	21.00	23.00	2.00	1.1	80.6	5	71	0.1	25	29.2	1227	5.45	2.9	0.9	2.6	2.2	181	0.1	0.1	0.1	230	3.19	0.252	14	48.2	2.29	38	0.203	16	3.42	1.968	0.14	0.2	0.01	9.4	0.1	0.05	11	
128	-02-02	13227	23.00	25.00	2.00	1.1	63.2	5.4	73	0.1	22.4	30.7	1164	5.39	5.3	1	3	2.3	162	0.1	0.1	0.1	216	2.69	0.276	16	43	2.34	38	0.199	18	3.51	2.097	0.24	0.4	0.04	9.1	0.1	0.05	9	
129	RP02-02	13228	25.00	27.00	2.00	1.3	59.1	5.1	67	0.1	26.6	26.9	965	5.12	2.9	0.9	4.3	2	165	0.1	0.1	0.1	225	2.89	0.251	14	41.8	2.28	39	0.219	16	3.68	2.084	0.14	0.4	0.01	8.6	0.1	0.05	9	
130	RP02-02	13229	27.00	29.00	2.00	1	112.6	4.6	71	0.1	71.8	29.6	1073	4.84	2.4	0.8	4.7	1.8	178	0.1	0.1	0.1	205	2.45	0.247	13	42.1	2.67	65	0.198	13	3.47	1.785	0.15	0.2	0.01	7.9	0.1	0.07	9	
131	RP02-02	13230	29.00	31.00	2.00	1	77.2	5.1	91	0.1	29.8	31.7	1174	5.41	3.9	0.9	8.4	2	231	0.1	0.1	0.1	267	2.91	0.247	14	53.7	2.35	43	0.23	15	3.73	2.232	0.15	0.5	0.01	9.1	0.1	0.06	10	
132	RP02-02	13231	31.00	33.00	2.00	1.1	88.9	4.5	73	0.1	35.1	28.6	1026	5.07	3.2	0.9	4.6	1.9	181	0.1	0.1	0.1	221	2.72	0.263	14	54.6	2.52	42	0.209	17	3.14	1.477	0.21	0.3	0.01	8.3	0.1	0.05	9	
133	RP02-02	13232	33.00	35.00	2.00	1	85.5	4.6	67	0.1	28.4	27.6	985	5.09	3.1	0.7	4.8	1.7	186	0.1	0.1	0.1	217	3.05	0.263	13	51.1	2.29	41	0.204	15	3.53	2.016	0.18	0.6	0.01	7.5	0.1	0.05	9	
134	RP02-02	13233	35.00	37.00	2.00	1.2	57.1	5.1	81	0.1	34.3	29.9	1192	5.59	4.1	0.9	2.7	1.9	179	0.1	0.1	0.1	223	3.17	0.262	15	56.8	2.67	46	0.237	16	3.55	1.676	0.22	0.3	0.01	9.5	0.1	0.05	11	
135	RP02-02	13234	37.00	39.00	2.00	1.2	299.2	4.8	87	0.1	31.9	28.5	1052	5.04	3.7	0.9	3.8	2	194	0.1	0.1	0.1	235	2.68	0.262	14	40	2.32	40	0.236	17	3.4	1.701	0.15	0.4	0.01	8.6	0.1	0.05	10	
136	RP02-02	13235	39.00	41.00	2.00	0.9	86.5	4.7	69	0.1	25.8	27.3	1100	5	3.1	0.8	4.1	1.9	180	0.1	0.1	0.1	210	3.06	0.271	14	48.3	2.43	38	0.211	13	3.78	2.132	0.11	0.3	0.01	8.7	0.1	0.05	9	
137	RP02-02	13236	41.00	43.00	2.00	1.2	46.4	4.9	76	0.1	23.5	29.2	1018	5.27	3.7	0.8	4	1.7	165	0.1	0.1	0.1	218	2.68	0.255	14	43.3	2.38	36	0.229	12	3.31	1.608	0.19	0.4	0.01	8.9	0.1	0.05	10	
138	RP02-02	13237	43.00	45.00	2.00	1.1	43.7	5.3	73	0.1	29.2	29.6	1069	5.73	2.3	0.7	4.7	1.7	263	0.1	0.1	0.1	229	2.91	0.267	14	52.4	2.12	43	0.2	16	4.1	2.437	0.14	0.3	0.01	7.4	0.1	0.05	10	
139	RP02-02	13238	45.00	47.00	2.00	1.1	135.3	5.7	68	0.1	27.7	27.9	1053	5.5	2.6	0.8	4	1.9	169	0.1	0.1	0.1	232	2.95	0.275	13	53.3	2.39	37	0.221	15	3.62	2.089	0.16	0.4	0.01	8.9	0.1	0.05	10	
140	RP02-02	13239	47.00	49.00	2.00	1	177.1	4.9	77	0.1	22.1	29.3	1043	5.2	2.6	0.8	4.7	1.9	169	0.1	0.1	0.1	227	2.49	0.257	14	41.6	2.41	37	0.196	16	3.68	2.289	0.13	0.3	0.01	8.2	0.1	0.05	9	
141	RP02-02	13240	49.00	51.00	2.00	0.8	43.4	5.2	66	0.1	30.2	30.8	1047	5.82	2.1	0.7	3.6	1.8	183	0.1	0.1	0.1	224	2.35	0.268	15	50.8	2.61	48	0.228	22	3.93	2.078	0.32	0.3	0.02	10.2	0.1	0.05	10	
142	RP02-02	13241	51.00	53.00	2.00	1	57.8	4.7	62	0.1	23.8	27.7	946	5.28	2.4	0.7	4.1	1.6	185	0.1	0.1	0.1	226	2.37	0.234	13	47.5	2.57	40	0.204	23	3.52	2.054	0.24	0.2	0.02	9.5	0.1	0.05	9	
143	RP02-02	13242	53.00	55.00	2.00	1	56.3	4.7	69	0.1	27.1	30.8	1201	5.45	3.3	0.7	3	1.7	213	0.1	0.1	0.1	214	3.36	0.255	13	58.3	2.85	40	0.19	15	3.37	1.507	0.3	0.2	0.02	11.7	0.1	0.05	9	
144	RP02-02	13243	55.00	57.00	2.00	0.9	120	4.7	65	0.1	29.6	29.6	1039	5.65	3.1	0.7	3.2	1.6	172	0.1	0.1	0.1	246	3.47	0.24	13	61.9	2.43	38	0.205	16	3.26	1.688	0.16	0.2	0.01	10.2	0.1	0.05	9	
145	RP02-02	13244	57.00	59.00	2.00	1.3	87.1	4.5	65	0.1	25.5	27.7	1220	5.07	1.7	0.7	4	1.8	175	0.1	0.1	0.1	204	2.64	0.262	13	55	2.78	37	0.197	13	3.46	1.671	0.13	0.4	0.01	10.9	0.1	0.05	9	
146	RP02-02	13245	59.00	61.00	2.00	0.7	74.5	4.8	59	0.1	24.3	28.7	1281	5.32	3.7	0.7	0.9	1.9	218	0.1	0.1	0.1	194	4.33	0.257	14	57.3	2.57	39	0.141	22	3.22	1.286	0.42	0.1	0.01	11.9	0.1	0.05	7	
147	RP02-02	13246	61.00	63.00	2.00	0.8	82.9	4.9	66	0.1	26.3	31.9	1267	5.38	3.3	0.6	2.3	1.9	256	0.1	0.1	0.1	198	4.37	0.269	14	62	2.36	42	0.12	20	2.97	1.209	0.48	0.2	0.01	11.7	0.1	0.05	7	
148	RP02-02	13247	63.00	65.00	2.00	1	82	4.1	60	0.1	28.2	28.1	1033	4.9	1.6	0.5	4.7	1.5	159	0.1	0.1	0.1	222	3.65	0.22	12	72.2	2	35	0.189	13	3.22	1.806	0.15	0.2	0.01	8.6	0.1	0.05	7	
149	RP02-02	13248	65.00	67.00	2.00	1.1	59.1	2.5	50	0.1	62.3	33.2	1137	4.98	1	0.5	2	1.4	174	0.1	0.1	0.1	222	4.69	0.229	11	168	1.85	28	0.133	11	2.36	1.179	0.12	0.5	0.01	6.5	0.1	0.05	6	
150	RP02-02	13249	67.00	69.00	2.00	1.3	158.1	1	52	0.1	76.5	35.3	993	4.35	1.1	0.5	2.8	1.3	204	0.1	0.1	0.1	191	3.4	0.234	10	259.1	2.83	25	0.059	14	2.2	0.794	0.04	0.2	0.01	3.9	0.1	0.05	6	
151	RP02-02	13250	69.00	71.00	2.00	1	1032.4	1.9	50	0.1	76.3	33.4	1101	4.5	1	0.5	2.2	1.1	224	0.1	0.1	0.1	182	3.91	0.198	8	195.8	2.86	21	0.061	15	2.38	0.897	0.05	0.2	0.02	7.7	0.1	0.05	7	
152	RP02-02	13251	71.00	73.00	2.00	1	1032.2	4.4	53	0.1	58.4	31.5	1181	5.25	1.8	0.4	6.1	0.7	186	0.1	0.1	0.1	233	5.66	0.131	6	125	2.91	23	0.131	14	2.83	1.273	0.19	0.1	0.02	12.7	0.1	0.05	8	
153	RP02-02	13252	73.00	75.00	2.00	0.8	623.1	3	47	0.1	62.6	30.6	1081	4.81	1.2	0.3	2	0.5	201	0.1	0.1	0.1	190	4.77	0.131	5	158.4	2.38	26	0.111	10	2.01	0.757	0.05	0.1	0.01	9.2	0.1	0.05	6	
154	RP02-02	13253	75.00	77.00	2.00	0.9	336.3	2.5	52	0.1	66.8	29.9	1171	5.02	0.9	0.4	3.1	0.6	225	0.1	0.1	0.1	212	3.21	0.142	5	110.4	2.91	33	0.148	11	1.91	0.458	0.05	0.4	0.01	7.8	0.1	0.05	7	
155	RP02-02	13254	77.00	79.00	2.00	0.7	10.5	5.4	46	0.1	55.8	31	1047	4.56	1.5	0.3	3.9	0.5	161	0.1	0.1	0.1	180	4.63	0.093	5	66.5	3	21	0.151	16	2.25	0.921	0.19	0.1	0.01	10.1	0.1	0.05	6	
156	RP02-02	13255	79.00	81.00	2.00	0.6	13.4	2.1	43	0.1	60.5	29.1	1041	4.11	1.5	0.2	2.1	0.4	177	0.1	0.1	0.1	124	3.6	0.092	4	47.8	2.69	24	0.119	9	1.85	0.688	0.04	0.4	0.01	7.3	0.1	0.05	5	
157	RP02-02	13256	81.00	83.00	2.00	0.6	26	3.8	50	0.1	57.1	32	915	4.85	1.4	0.4	2.8	0.6	221	0.1	0.1	0.1	156	3.99	0.135	6	85.3	2.76	37	0.154	22	2.9	1.346	0.28	0.1	0.01	9.2	0.1	0.05	6	
158	RP02-02	13257	83.00	85.00	2.00	0.8	13	4.7	51	0.1	43.3	28.7	1080	4.71	1.7	0.3	6	0.6	156	0.1	0.1	0.1	192	3.65	0.143	6	66.2	3.43	24	0.175	16	2.86	1.524	0.15	0.1	0.01	11.8	0.1	0.05	7	
159	RP02-02	13258	85.00	87.00	2.00	1	15.1	5.1	48	0.1	44.6	27.7	873	4.84	1.8	0.4	2	0.6	158	0.1	0.1	0.1	202	3.24	0.157	7	52.3	3.07	25	0.169	19	2.77	1.611	0.18	0.1	0.01	9.5	0.1	0.05	7	
160	RP02-02	13259	87.00	89.00	2.00	0.8	18.8	5.3	54	0.1	46	28	865	4.89	1.5	0.3	1.8	0.7	117	0.1	0.1	0.1	191	2.07	0.151	7	45.1	2.76	23	0.186	12	2.64	1.405	0.11	0.3	0.01	10.4	0.1	0.05	8	
161	RP02-02	13260	89.00	91.00	2.00	0.8	24.9	5	51	0.1	47.8	24.8	1104	4.52	1.2	0.3	0.5	0.7	149	0.1	0.1	0.1	208	3.02	0.156	6	28.5	2.39	27	0.151	19	2.83	1.559	0.07	0.1	0.01	7	0.1	0.09	8	
162	RP02-02	13261	91.00	93.00	2.00	0.8	18	4.4	58	0.1	46.6	25.1	1051	4.38	1.4	0.3	1.1	0.6	127	0.1	0.1	0.1	172	2.71	0.138	6	23.3	2.47	26	0.142	16	2.58	1.105	0.08	0.1	0.01	6.5	0.1	0.07	7	
163	RP02-02	13262	93.00	95.00	2.00	1.1	23.5	4.3	51	0.1	27.7	22.1	913	4.24	0.9	0.3	2.8	0.6	133	0.1	0.1	0.1	168	2.67	0.11	5	62.1	1.6	24	0.131	24	2.51	1.328	0.27	0.1	0.01	6.9	0.1	0.05	6	
164	-02	13263	95.00	97.00	2.00	0.9	15.4	4	55	0.1	24.9	24.5	928	4.5	0.7	0.3	1.3	0.5	153	0.1	0.1	0.1	198	3.08	0.118	5	38.5	2.02	21	0.139	17	2.67	1.29	0.17	0.1	0.01	8.1	0.1	0.07	7	
165	2-02	13264	97.00	99.00	2.00	0.9	12.4	4.1	58	0.1	23.8	30.4	960	4.75	0.8	0.3	0.5	0.6	134	0.1	0.1	0.1	195	2.6	0.124	5	43.1	1.95	21	0.145	17	2.82	1.567	0.12	0.1	0.01	7.4	0.1	0.05	7	
166	RP02-02	13265	99.00	101.00	2.00	0.9	17.3	5.3	63	0.1	40	25.2	1175	5.18	0.5	0.3	3.8	0.5	142	0.1	0.1	0.1	197	3.87	0.098	5	71.1	2.55	22	0.176	28	3.38	1.476	0.34	0.1	0.01	10.2	0.1	0.05	8	
167	RP02-02	13266	101.00	103.00	2.00	0.9	17.5	4.5	58	0.1	34.1	25	880	4.74	0.9	0.3	1.7	0.5	112	0.1	0.1	0.1	184	2.2	0.12	5	60.4	2.15	20	0.137	16	2.78	1.504	0.1	0.2	0.01	7.1	0.1	0.05	7	
168	RP02-02	13267	103.00	105.00	2.00	0.6	24.5	3.8	54	0.1	28.7	25.6	953	4.49	0.8	0.3	0.5	0.5	105	0.1	0.1	0.1	198	1.73	0.111	5	61.9	2	19	0.133	13	2.65	1.535	0.07	0.1	0.01	7.1	0.1	0.05	7	
169	RP02-02	13268	105.00	107.00	2.00	0.5	15	3.5	52	0.1	29.6	23.5	994	4.34	0.5	0.3	0.5	0.5	107	0.1	0.1	0.1	173	1.94	0.113	5	55.9	1.86	18	0.12	9	2.7	1.593	0.06	0.1	0.01	7.1	0.1	0.05	7	
170	RP02-02	13269	107.00	109.00	2.00	0.5	16.3	3.4	53	0.1	30.2	23.5	1147	4.25	0.9	0.3	0.5	0.4	103	0.1	0.1	0.1	173	3.86	0.111	5	55	2.01	17	0.13	11	2.91	1.632	0.06	0.1	0.01	7.7	0.1	0.05	7	
171	RP02-02	13270	109.00	111.00	2.00	0.6	32.3	3.6	59	0.1	28.3	25.2	1050	4.48	0.6	0.3	0.5	0.5	95	0.1	0.1	0.1	155	2.5	0.11	5	54	2.08	15	0.151	9	2.71	1.569	0.06	0.1	0.01	7.7	0.1	0.05	7	
172	RP02-02	13271	111.00	113.00	2.00	0.7	347.2	3.9	66	0.1	30.8	26.5	1055	4.67	0.6	0.3	1.8	0.5	113	0.1	0.1	0.1	194	2.58	0.121	6	63.8	2.11	17	0.156	12	2.96	1.679	0.1	0.1	0.01	8.6	0.1	0.05	8	

RIM PROPERTY
CORE GEOCHEMICAL DATA

	Drillhole No.	Sample No.	From(m)	To(m)	Length	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)
173	RP02-02	13272	113.00	115.00	2.00	1.2	9.5	4.2	61	0.1	33.1	22	1092	4.83	0.8	0.3	1.2	0.7	186	0.1	0.1	0.1	177	2.04	0.138	6	63.8	2.24	17	0.156	16	2.32	1.07	0.08	0.1	0.01	8	0.1	0.05	9	
174	RP02-02	13273	115.00	117.00	2.00	1	12.3	4.2	63	0.1	35.5	25.4	1469	4.89	0.8	0.3	4.1	0.6	193	0.1	0.1	0.1	212	3.4	0.156	6	61.4	2.24	15	0.18	19	2.26	0.934	0.12	0.1	0.01	8.9	0.1	0.05	9	
17[illegible]	[illegible]2-02	13274	117.00	119.00	2.00	1.5	14.2	4.5	66	0.1	37.8	26.1	2035	5.25	0.8	0.4	0.5	0.7	135	0.1	0.1	0.1	243	3.47	0.178	6	54.8	2.43	18	0.173	17	2.4	1.067	0.09	0.2	0.01	12	0.1	0.05	9	
17[illegible]	[illegible]2-02	13275	119.00	121.00	2.00	1.2	26.4	4.1	54	0.1	45.9	28.6	2436	4.78	0.8	0.3	1.3	0.6	141	0.1	0.1	0.1	146	3.84	0.144	6	54.8	2.1	18	0.138	16	2.31	1.238	0.06	0.1	0.01	9.5	0.1	0.05	7	
177	RP02-02	13276	121.00	123.00	2.00	1.2	20.4	4.5	63	0.1	54.9	30.9	2088	5.2	1	0.3	2.7	0.7	118	0.1	0.1	0.1	264	3.79	0.157	6	66.4	2.81	16	0.171	16	2.41	1.157	0.07	0.2	0.01	9.8	0.1	0.05	9	
178	RP02-02	13277	123.00	125.00	2.00	1	20.7	5.7	73	0.1	52.7	29.7	2314	4.75	1.3	0.3	1.9	0.6	131	0.1	0.5	0.1	204	3.73	0.151	6	74.4	2.43	19	0.16	14	2.42	1.05	0.08	0.2	0.03	8.1	0.1	0.05	7	
179	RP02-02	13278	125.00	127.00	2.00	1.1	32.2	4.1	58	0.1	64.8	31.8	3965	5.08	0.6	0.3	1.2	0.7	207	0.1	0.1	0.1	174	3.94	0.164	6	96.9	2.73	25	0.18	21	1.94	0.495	0.06	0.3	0.02	10.6	0.1	0.05	8	
180	RP02-02	13279	127.00	129.00	2.00	0.7	20.3	3.8	64	0.1	62.6	29.9	2302	4.83	0.9	0.3	0.8	0.6	162	0.1	0.2	0.1	185	4.46	0.148	6	87.2	2.82	17	0.169	16	2.14	0.844	0.05	0.2	0.02	9.3	0.1	0.05	7	
181	RP02-02	13280	129.00	131.00	2.00	0.7	21.3	3.7	52	0.1	59	28.2	1577	4.62	0.8	0.3	1.1	0.6	120	0.1	0.1	0.1	210	3.09	0.151	6	80.9	2.52	15	0.14	15	2.33	1.185	0.04	0.2	0.01	7.6	0.1	0.05	7	
182	RP02-02	13281	131.00	133.00	2.00	0.7	24.1	3.7	58	0.1	54.7	28.6	1405	4.71	1	0.3	0.5	0.6	121	0.1	0.1	0.1	194	5.38	0.158	6	81.8	2.7	15	0.163	12	2.09	1.072	0.05	0.1	0.01	9.3	0.1	0.05	7	
183	RP02-02	13282	133.00	135.00	2.00	1.1	16.5	3.8	62	0.1	59.7	28.5	1259	4.52	1.2	0.3	0.6	0.6	131	0.1	0.1	0.1	181	5.56	0.15	6	98.2	3.05	15	0.165	17	2.16	0.879	0.05	0.2	0.01	9.7	0.1	0.05	8	
184	RP02-02	13283	135.00	137.00	2.00	1.3	16.8	4.3	66	0.1	67.6	32.6	1484	5.65	1.5	0.3	2.2	0.7	143	0.1	0.1	0.1	211	3	0.159	7	52.4	3.6	16	0.189	22	2.74	1.299	0.07	0.1	0.01	12.8	0.1	0.05	10	
185	RP02-02	13284	137.00	139.00	2.00	1.2	26.4	5.8	61	0.1	65.6	34.7	1522	5.58	1.6	0.4	2.5	0.8	165	0.1	0.1	0.1	186	3.91	0.143	6	65.5	3.79	20	0.192	23	3.07	1.532	0.09	0.1	0.01	15	0.1	0.05	9	
186	RP02-02	13285	139.00	141.00	2.00	1.1	1131.4	4.6	70	0.1	68.2	34.9	1352	5.73	1.7	0.3	5.3	0.7	157	0.1	0.1	0.1	220	3.61	0.15	7	71.2	3.28	23	0.181	20	2.57	1.248	0.06	0.2	0.01	10.6	0.1	0.05	9	
187	RP02-02	13286	141.00	143.00	2.00	1	21	4.3	62	0.1	71.2	32.8	1206	5.21	1.8	0.3	1.3	0.7	133	0.1	0.1	0.1	186	2.62	0.144	6	69.5	3.19	20	0.168	14	2.21	0.939	0.06	0.1	0.01	9.9	0.1	0.05	8	
188	RP02-02	13287	143.00	145.00	2.00	1	20.6	2.9	63	0.1	85.2	31.2	991	4.86	1.8	0.3	4.8	0.6	170	0.1	0.1	0.1	212	4.39	0.138	5	83.6	3.51	27	0.15	17	1.91	0.575	0.08	0.3	0.01	8	0.1	0.05	7	
189	RP02-02	13288	145.00	147.00	2.00	1	13.3	4.3	62	0.1	112.3	37.1	1025	5.05	1.8	0.4	1.3	0.5	157	0.1	0.1	0.1	179	5.68	0.126	5	87.7	3.72	19	0.157	22	2.37	1.026	0.19	0.1	0.01	8.2	0.1	0.05	8	
190	RP02-02	13289	147.00	148.74	1.74	0.8	11.9	1.9	51	0.1	143.9	37.2	1054	4.49	1.9	0.2	1.4	0.5	266	0.1	0.1	0.1	144	4.4	0.109	4	84.1	3.7	28	0.09	20	1.85	0.672	0.03	0.1	0.01	4.4	0.1	0.05	5	
191	RP02-03	13290	20.73	29.87	9.14	1.4	64.2	5.3	68	0.1	29	15.5	712	3.48	6.1	0.8	24.6	2.7	208	0.2	0.3	0.1	118	2.65	0.141	13	35.6	1.07	131	0.151	6	2.37	0.651	0.2	0.2	0.03	5.3	0.1	0.05	7	
192	RP02-03	13291	29.87	34.00	4.13	1.2	94.4	5.6	65	0.1	69.1	32.2	1335	5.12	6.9	0.6	1.6	1.7	218	0.1	0.1	0.1	157	4.44	0.233	12	90.5	3.38	81	0.121	13	3.63	1.867	0.15	0.1	0.01	12.1	0.1	0.05	9	
193	RP02-03	13292	34.00	36.00	2.00	0.8	50	3.6	54	0.1	75.6	32.2	862	4.21	2.6	0.5	0.7	1.3	175	0.1	0.1	0.1	152	3.12	0.227	8	202.3	3.35	45	0.06	12	2.54	1.148	0.14	0.1	0.01	7.2	0.1	0.05	7	
194	RP02-03	13293	36.00	38.00	2.00	0.9	42.5	2.6	48	0.1	77.3	30.8	751	3.87	1.7	0.3	0.5	1.4	169	0.1	0.1	0.1	144	3.42	0.256	9	209.4	2.67	38	0.051	9	1.9	0.937	0.04	0.3	0.01	4.6	0.1	0.05	6	
195	RP02-03	13294	38.00	40.00	2.00	0.7	64.2	1.8	50	0.1	78.2	31.5	752	4.02	3.1	0.4	0.6	1.3	167	0.1	0.1	0.1	140	3.24	0.259	9	214.2	2.9	37	0.049	12	1.95	0.861	0.04	0.2	0.01	4.4	0.1	0.05	6	
196	RP02-03	13295	40.00	42.00	2.00	0.9	78.5	2	50	0.1	73.2	32.2	651	3.87	2.8	0.5	0.5	1.4	173	0.1	0.1	0.1	133	2.96	0.266	8	200.5	3.04	35	0.047	9	1.88	0.806	0.05	0.3	0.01	4.9	0.1	0.05	6	
197	RP02-03	13296	42.00	44.00	2.00	0.7	117.2	1.9	47	0.1	74.1	29.4	858	4.03	2.8	0.4	1.4	1.3	156	0.1	0.1	0.1	142	2.92	0.236	8	213.6	3.05	38	0.044	11	1.8	0.619	0.05	0.2	0.01	4.2	0.1	0.05	6	
198	RP02-03	13297	44.00	46.00	2.00	0.8	120.9	1.9	58	0.1	75.4	32.8	1079	4.15	2.3	0.5	2.1	1.3	173	0.1	0.1	0.1	143	3.76	0.237	8	210.5	3.43	42	0.051	12	2.03	0.659	0.07	0.2	0.02	6.1	0.1	0.05	7	
199	RP02-03	13298	46.00	48.00	2.00	0.7	102.8	1.2	55	0.1	77.7	31.9	701	4.21	3.4	0.5	1.1	1.3	155	0.1	0.1	0.1	142	2.01	0.248	8	245.5	3.34	42	0.048	14	1.94	0.677	0.04	0.1	0.01	5.1	0.1	0.05	6	
200	RP02-03	13299	48.00	50.00	2.00	0.9	46	2.8	57	0.1	80.7	35.2	1036	4.36	5.3	0.6	0.7	1.2	175	0.1	0.1	0.1	141	4.32	0.22	8	202.9	2.96	65	0.098	12	2.31	0.964	0.07	0.3	0.07	9.1	0.1	0.05	7	
201	RP02-03	13300	50.00	52.00	2.00	0.9	458.5	3.9	59	0.2	33.2	31.3	1066	4.5	4.6	0.5	0.5	1.5	218	0.1	0.1	0.1	189	3.87	0.252	11	82.2	2.26	61	0.124	8	2.87	1.695	0.04	0.2	0.07	10.3	0.1	0.05	7	
202	RP02-03	13301	52.00	54.00	2.00	1	25.3	4.5	65	0.1	28	28.5	912	4.9	5.5	0.6	3.4	1.5	232	0.1	0.1	0.1	191	3.59	0.261	11	60.7	1.98	97	0.15	13	3.36	2.066	0.1	0.3	0.05	8.4	0.1	0.05	9	
203	RP02-03	13302	54.00	56.00	2.00	0.7	88	4.8	66	0.1	18.3	24.8	790	4.91	5.3	0.4	2.9	1.4	141	0.1	0.1	0.1	191	3.38	0.261	11	23.8	1.68	54	0.165	16	3.7	2.51	0.1	0.2	0.02	7.9	0.1	0.05	8	
204	RP02-03	13303	56.00	58.00	2.00	1.1	41.5	5.6	77	0.1	20.1	30.4	1025	5.75	6.6	0.5	2	1.7	156	0.1	0.1	0.1	223	3.25	0.287	12	31.1	2.16	52	0.181	11	3.96	2.715	0.09	0.3	0.03	10.2	0.1	0.05	10	
205	RP02-03	13304	58.00	60.00	2.00	0.6	149.3	4.8	72	0.1	15.6	28.6	1291	4.52	5.2	0.5	1.8	1.4	152	0.1	0.1	0.1	145	3.59	0.272	12	30	2.41	40	0.136	8	3.32	2.01	0.06	0.2	0.03	12.7	0.1	0.05	9	
206	RP02-03	13305	60.00	62.00	2.00	0.5	131	4.1	62	0.1	13.5	23.3	1016	3.6	3.5	0.4	0.8	1.4	132	0.1	0.1	0.1	141	3.56	0.255	11	27.5	1.86	30	0.106	7	3.03	1.856	0.05	0.3	0.05	10.1	0.1	0.05	8	
207	RP02-03	13306	62.00	64.00	2.00	0.7	134.5	3	64	0.1	14.9	24.6	1544	4.24	2.7	0.4	0.5	1.4	189	0.1	0.1	0.1	160	5.4	0.259	11	37.7	2.4	33	0.081	9	2.91	1.209	0.04	0.1	0.07	13	0.1	0.11	9	
208	RP02-03	13307	64.00	66.00	2.00	0.8	37.8	1.6	62	0.1	13	25	681	5.02	3.1	0.5	0.7	1.3	236	0.1	0.1	0.1	185	2.72	0.264	10	25.2	1.47	65	0.06	14	3.07	1.573	0.06	0.3	0.02	5.5	0.1	0.05	8	
209	RP02-03	13308	66.00	68.00	2.00	0.8	76.8	3.5	66	0.1	23.3	26.1	995	5.34	5.8	0.5	5.2	1.3	183	0.1	0.1	0.1	188	3.68	0.267	11	50.3	1.85	59	0.124	11	3.64	2.061	0.06	0.2	0.11	9.1	0.1	0.07	9	
210	RP02-03	13309	68.00	70.00	2.00	0.6	107.8	3.9	70	0.1	33	27.5	815	5.14	3.9	0.4	3.3	1.2	150	0.1	0.1	0.1	224	3.47	0.236	9	53.3	1.59	54	0.1	13	3.65	2.46	0.04	0.1	0.17	7.7	0.1	0.13	10	
211	RP02-03	13310	70.00	72.00	2.00	1	126.2	3	75	0.1	35.1	30.6	831	5.39	5.4	0.5	2.8	1.2	210	0.1	0.2	0.1	222	3.2	0.26	9	60.2	1.95	67	0.103	10	3.73	1.884	0.04	0.1	0.28	7.1	0.1	0.4	10	
212	[illegible]02-03	13311	72.00	74.00	2.00	6.2	140.4	3.4	69	0.2	36	28.8	988	5.33	3.4	0.5	3.4	1	191	0.1	0.1	0.1	205	4.8	0.233	9	64.7	2.43	37	0.151	8	3.1	1.295	0.02	0.1	0.43	9.7	0.1	1.45	10	
21[illegible]	[illegible]2-03	13312	74.00	76.00	2.00	0.9	314.8	3.6	59	0.1	32.1	28	1422	4.97	4.2	0.3	0.5	0.5	171	0.2	0.1	0.1	184	5.75	0.129	5	106.8	3.06	28	0.138	9	2.79	0.952	0.05	0.1	0.04	16.6	0.1	0.2	8	
214	[illegible]02-03	13313	76.00	78.00	2.00	0.9	60.4	3.2	61	0.1	32.9	27.8	1547	5.37	4.9	0.3	0.5	0.6	144	0.1	0.1	0.1	182	4.77	0.131	5	112.7	2.72	28	0.147	9	2.92	1.208	0.06	0.1	0.01	15.2	0.1	0.05	8	
215	RP02-03	13314	78.00	80.00	2.00	1.1	186.4	3.9	60	0.1	41.3	31.6	2236	5.52	7.7	0.3	0.5	0.6	155	0.1	0.1	0.1	210	4.98	0.152	6	85.7	3.05	37	0.155	11	2.81	1.089	0.06	0.2	0.01	15.1	0.1	0.05	9	
216	RP02-03	13315	80.00	82.00	2.00	0.9	36.1	4.1	67	0.1	45.5	32.1	2163	5.36	6.3	0.3	0.5	0.7	149	0.1	0.1	0.1	229	4.03	0.163	7	94.1	3.42	35	0.167	12	2.6	0.833	0.05	0.2	0.01	15.5	0.1	0.05	9	
217	RP02-03	13316	82.00	84.00	2.00	0.9	26.9	4.3	70	0.1	46.8	32.9	2347	5.63	10.2	0.3	0.5	0.7	143	0.1	0.1	0.1	221	3.26	0.166	7	76.6	2.81	39	0.167	12	2.62	1.238	0.05	0.2	0.03	13.3	0.1	0.05	9	
218	RP02-03	13317	84.00	86.00	2.00	0.9	759.3	4.3	59	0.1	44	38.1	3137	4.81	103.8	0.3	0.5	0.6	161	0.1	0.5	0.1	198	6.37	0.154	6	84.4	2.82	53	0.135	9	2.42	0.395	0.07	0.2	0.83	12.4	0.1	0.49	9	
219	RP02-03	13318	86.00	88.00	2.00	0.9	104.6	4	60	0.1	49.5	36.1	3127	5.09	23.1	0.3	0.5	0.6	140	0.1	0.2	0.1	153	3.87	0.151	6	87.1	2.93	42	0.151	12	2.47	0.91	0.05	0.3	0.24	13.1	0.1	0.05	8	
220	RP02-03	13319	88.00	90.00	2.00	0.7	28.1	4.1	62	0.1	50	34.2	1656	5.45	11.6	0.3	0.5	0.7	152	0.1	0.1	0.1	202	4.22	0.157	6	110.9	2.93	39	0.115	15	2.21	0.808	0.04	0.1	0.1	14.5	0.1	0.06	7	
221	RP02-03	13320	90.00	92.00	2.00	0.7	47.8	3.8	65	0.1	63.6	35.8	1653	5.25	14.2	0.3	0.5	0.7	190	0.1	0.1	0.1	187	7.98	0.16	6	165.1	2.67	32	0.089	19	2.4	0.539	0.09	0.1	0.02	18.8	0.1	0.06	8	
222	RP02-03	13321	92.00	94.00	2.00	0.8	27.6	2.5	20	0.1	35	11.3	2145	2.72	7.4	0.2	0.5	0.4	230	0.1	0.1	0.1	101	15.18	0.085	4	97.5	0.69	24	0.018	14	0.89	0.061	0.08	0.1	0.02	11.6	0.1	0.16	2	
223	RP02-03	13322	94.00	96.00	2.00	0.6	34.5	1.9	55	0.1	98.3	38	1530	5.05	10	0.2	0.5	0.4	242	0.1	0.1	0.1	161	10.36	0.095	4	147.4	1.95	30	0.065	12	1.45	0.305	0.06	0.1	0.03	13.4	0.1	0.1	4	
224	RP02-03	13323	96.00	98.00	2.00	0.8	27.8	5.5	60	0.1	41.8	26.6	701	5.05	7.7	0.3	1.2	0.7	142	0.1	0.1	0.1	193	4.28	0.149	6	82.2	2.2	35	0.143	12	3.16	1.802	0.23	0.1	0.02	11	0.1	0.08	8	
225	RP02-03	13324	98.00	99.97	1.97	0.9	54.3	4.3	60	0.1	37.4	26.1	807	5.35	6.6	0.3	0.6	0.8	150	0.1	0.1	0.1	226	3.63	0.166	7	44.9	1.73	47	0.135	11	3.19	1.998	0.09	0.1	0.03	9.6	0.1	0.11	8	
226	RP02-04	13325	4.19	6.00	1.81	0.8	531.5	3.1	56	0.1	43.9	28.4	1063	3.95	2.9	0.2	0.5	0.7	58	0.1	0.1	0.1	175	3.91	0.153	6	44	1.87	15	0.124	4	2.15	1.083	0.03	0.2	0.02	7.5	0.1	0.13	8	
227	RP02-04	13326	6.00	8.00	2.00	0.9	473.3	4	50	0.1	49.6	32.6	1165	4.43	3.4	0.3	0.5	0.7	76	0.3	0.1	0.1	187	4.57	0.155	7	53.4	1.99	21	0.147	6	2.33	1.249	0.03	0.2	0.02	9.6	0.1	0.1	8	
228	RP02-04	13327	8.00	10.00	2.00	1	453.3	2.8	57	0.1	47	29	1109	4.48	3	0.3	0.5	0.7	70	0.2	0.1	0.1	228	4.08	0.151	6	61.1	2.45	17	0.146	6	2.34	1.041	0.04	0.1	0.01	9.1	0.1	0.06	10	
229	RP02-04	13328	10.00	12.00	2.00	1.1	225.9	4.7	53	0.1	73.9	35.4	1044	5.06	7.5	0.3	1.1	0.8	80	0.1	0.1	0.1	212	3.54	0.16	7	119.2	2.59	25	0.161	7	1.8	0.597	0.04	0.3	0.01	9.2	0.1	0.05	8	
230	RP02-04	13329	12.00	14.00	2.00	1.4	244.8	4.3	59	0.1	61.7	31.8	1083	4.88	8.4	0.3	1.8	0.8	79	0.1	0.1	0.1	222	3.37	0.157	7	119	2.8	26	0.177	12	2.36	0.986	0.04	0.2	0.01	10.3	0.1	0.05	8	
231	RP02-04	13330	14.00	16.00	2.00	1	106.5	3.5	55	0.1	59.6	29.3	1127	4.79	6.1	0.3	3.5	0.6	78	0.1	0.1	0.1	183	5.11	0.138	6	109.6	2.42	21	0.157	9	2.18	0.948	0.04	0.2	0.01	10.2	0.1	0.05	8	
232	RP02-04	13331	16.00	18.00	2.00	0.9	493.4	3.6	66	0.1	65.3	37.5	1625	5.27	4.2	0.3	0.5	0.8	112	0.2	0.1	0.1	203	5.74	0.169	7	68.7	3.66	21	0.198	9	2.98	1.115	0.06	0.1	0.02	15.7	0.1	0.07	11	
233	RP02-04	13332	18.00	20.00	2.00	1	178.4	3.6	57	0.1	56.9	29.3	1503	5.01	3.7	0.3	0.8	0.7	172	0.1	0.1	0.1	230	5	0.154	7	49.1	2.19	33	0.175	8	2.1	0.727	0.04	0.1	0.02	9.4	0.1	0.1	7	
234	RP02-04	13333	20.00	22.00	2.00	1.1	186.2	5.2	61	0.1	59.3	33	1144	5.48	6.8	0.3	0.7	0.7	103	0.1	0.1	0.1	179	4.05	0.161	7	53.3	2.94	28	0.208	14	2.66	1.363	0.07	0.1	0.01	14.7	0.1	0.05	7	
235	RP02-04	13334	22.00	24.00	2.00	0.6	37.6	3.2	50	0.1	46.6	25.2	1015	4.16	3.7	0.2	1.2	0.7	153	0.1	0.1	0.1	157	4.8	0.15	6	48.4	1.8	35	0.162	7	1.98	0.809	0.05	0.2	0.01	7.3	0.1	0.05	6	
236	RP02-04	13335	24.00	26.00	2.00	1	54.8	4.7	55	0.1	66	33.2	992	4.72	5.6	0.3	0.5	0.6	94	0.1	0.1	0.1	140	5.25	0.129	6	77.3	2.54	27	0.177	9	1.97	0.895	0.06	0.1	0.01	10.7	0.1	0.05	6	
237	RP02-04	13336	26.00	28.00	2.00	0.8	35.3	2.5	53	0.1	78.4	32	1075	4.71	3.3	0.3	2.1	0.7	186	0.1	0.1	0.1	175	3.48	0.139	6	102.6	2.66	46	0.132	10	2.2	0.749	0.04	0.2	0.01	6	0.1	0.05	6	
238	RP02-04	13337	28.00	30.00	2.00	0.6	32.4	2.1	48	0.1	79.9	33.9	997	4.44	3.7	0.3	1.2	0.5	160	0.1	0.1	0.1	177	4.63	0.125	5	110.8	3.29	37	0.115	9	2.25	0.824	0.06	0.1	0.01	6.3	0.1	0.05	6	
239	RP02-04	13338	30.00	32.00	2.00	0.8	41	2.6	51	0.1	95.4	35.8	988	4.85	3.8	0.3	0.5	0.6	176	0.1	0.1	0.1	165	3.34	0.128	5	114.6	3.98	32	0.119	19	2.74	1.17	0.2	0.1	0.01	6.3	0.1	0.05	6	
240	RP02-04	13339	32.00	34.00	2.00	0.8	63.6	3.5	57	0.1	97	33.7	1200	5.05	5.5	0.3	3.2	0.5	169	0.1	0.1	0.1	158	2.89	0.117	5	86.1	3.76	38	0.135	17	2.66	1.135	0.13	0.1	0.01	7.1	0.1	0.05	8	
241	RP02-04	13340	34.00	36.00	2.00	0.7	122.1	4.7	67	0.1	36.8	28.4	1087	5.45	4.7	0.3	1.6	0.8	123	0.1	0.1	0.1	207	3.45	0.17	7	55.1	2.38	33	0.191	14	3.36	2.139	0.09	0.2	0.02	9.5	0.1	0.05	8	
242	RP02-04	13341	36.00	38.00	2.00	1.2	581.8	5.1	69	0.1	47.4	33.7	1079	6.2	6.2	0.4	3.5	0.7	113	0.1	0.1	0.1	244	2.53	0.183	7	53.3	4.28	27	0.209	14	4.38	2.339	0.09	0.1	0.01	13.6	0.1	0.07	12	
243	RP02-04	13342	38.00	40.00	2.00	0.6	7.8	4	62	0.1	79.4	37.6	1063	5.37	7.3	0.3	2.7	0.6	137	0.1	0.1	0.1	171	3.07	0.158	6	92	3.75	30	0.169	13	3.27	1.615	0.16	0.1	0.01	9.7	0.1	0.05	8	
244	RP02-04	13343	40.00	42.00	2.00	1.1	463.9	5.6	68	0.1	36.9	32.9	1138	6.49	9.3	0.4	0.5	0.8	122	0.1	0.1	0.1	228	3.78	0.179	7	84.1	3.18	34	0.227	12	3.89	2.024	0.14	0.1	0.01	12.2	0.1	0.05	10	
245	RP02-04	13344	42.00	44.00	2.00	0.9	32.5	4.5	69	0.1	37.4	30.7	1159	5.76	7.9	0.3	2.4	0.7	180	0.1	0.1	0.1	227	2.67	0.183	7	59.7	2.31	51	0.206	14	3.9	2.037	0.06	0.1	0.01	7.5	0.1	0.06	9	
246	RP02-04	13345	44.00	46.00	2.00	1	104.2	5.6	64	0.1	51.9	32.6	921	5.52	8.5	0.4	0.9	0.7	130	0.1	0.1	0.1	203	3.54	0.16	7	126.4	2.71	39	0.206	15	4.07	2.339	0.21	0.2	0.02	10.1	0.1	0.06	9	
247	RP02-04	13346	46.00	48.00	2.00	0.7	5.7	5.2	64	0.1	41.5	26.5	761	4.97	7.7	0.4	2.9	0.7	115	0.1	0.1	0.1	199	2.65	0.169	7	89.8	2.63	35	0.177	17	3.99	2.367	0.16	0.1	0.01	7.3	0.1	0.05	8	
248	RP02-04	13347	48.00	50.00	2.00	0.8	7.1	5.2	64	0.1	43.5	28.1	925	4.79	9.3	0.3	13.1	0.9	100	0.1	0.1	0.1	217	1.96	0.148	7	51.1	3.04	31	0.188	15	3.76	2.062	0.16	0.2	0.01	9.5	0.1	0.05	9	
249	RP02-04	13348	50.00	52.00	2.00	0.8	80.6	5	62	0.1	56.2	27.1	979	4.91	7.7	0.4	2.6	0.7	104	0.1	0.1	0.1	186	3.22	0.153	7	44	2.91	29	0.159	9	3.27	2.043	0.07	0.1	0.01	9.5	0.1	0.05	8	
250	[illegible]-04	13349	52.00	54.00	2.00	0.6	226.1	4.7	56	0.1	52.8	30.1	1024	4.58	10.7	0.2	0.5	0.7	88	0.1	0.1	0.1	152	3.5	0.16	7	98.2	1.78	23	0.147	7	2.7	1.746	0.05	0.2	0.01	7.5	0.1	0.05	6	
251	[illegible]2-04	13350	54.00	56.00	2.00	0.5	86.4	4.9	57	0.1	53.9	26.1	972	4.23	9	0.3	0.6	0.7	86	0.1	0.1	0.1	142	4.25	0.158	7	66.2	2.08	25	0.146	7	3.02	2.013	0.06	0.1	0.01	7.6	0.1	0.05	7	
252	RP02-04	13351	56.00	58.00	2.00	0.7	24.7	4.5	57	0.1	64.1	26.1	1050	4.5	5.5	0.3	0.8	0.7	105	0.1	0.1	0.1	184	3.86	0.151	7	35.3	3.01	31	0.165	10	3.09	1.67	0.07	0.2	0.01	6.9	0.1	0.05	8	
253	RP02-04	13352	58.00	60.00	2.00	0.6	13.6	3.9	54	0.1	62.5	28.5	947	4.64	6.4	0.3	0.5	0.6	130	0.1	0.1	0.1	173	4.63	0.132	5	41.5	2.52	38	0.143	10	2.89	1.599	0.07	0.2	0.01	5.8	0.1	0.05	7	
254	RP02-04	13353	60.00	62.00	2.00	0.9	350	3	49	0.1	79.3	32.4	1311	5.35	5.5	0.3	0.5	0.6	193	0.1	0.1	0.1	200	4.34	0.136	6	51.4	3.25	45	0.132	15	2.8	1.38	0.07	0.1	0.01	6.4	0.1	0.05	8	
255	RP02-04	13354	62.00	64.00	2.00	0.6	320	3.1	57	0.1	72.6	31.2	1090	4.48	4.8	0.3	1.5	0.5	163	0.1	0.1	0.1	202	4.48	0.12	5	56.2	3.01	35	0.125	10	2.48	1.14	0.05	0.1	0.01	5.3	0.1	0.06	7	
256	RP02-04	13355	64.00	66.00	2.00	0.4	36.5	3.7	56	0.1	76.8	31.2	946	3.98	4.8	0.2	0.6	0.6	108	0.1	0.1	0.1	121	2.89	0.136	5	56.2	2.77	28	0.131	9	2.81	1.501	0.05	0.2	0.01	5.1	0.1	0.06	7	
257	RP02-04	13356	66.00	68.00	2.00	0.5	28.9	3	52	0.1	97.5	32.4	966	4.11	4.3	0.3	2	0.5	146	0.1	0.1	0.1	171	5.06	0.112	5	45.8	2.74	35	0.138	13	2.43	1.21	0.07	0.1	0.01	4.6	0.1	0.09	7	
258	RP02-04	13357	68.00	70.00	2.00	0.5	20.3	3.4	50	0.1	57.8	26	847	3.39	3.4	0.2	1.4	0.5	118	0.1	0.1	0.1	169	2.85	0.131	6	65.8	2.04	32	0.125	12	2.41	1.333	0.06	0.2	0.01	3.3	0.1	0.05	6	

RIM PROPERTY
CORE GEOCHEMICAL DATA

	Drillhole No.	Sample No.	From(m)	To(m)	Length	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)
259	RP02-04	13358	70.00	72.00	2.00	0.7	54.7	1.8	52	0.1	71.1	32.9	941	4.53	4.6	0.4	1.8	0.7	238	0.1	0.1	0.1	194	1.66	0.159	5	83	2.76	56	0.122	14	2.73	1.16	0.03	0.1	0.01	3.2	0.1	0.05	6	
260	RP02-04	13359	72.00	74.00	2.00	0.9	50	3.1	53	0.1	59.4	29.9	1015	4.44	6.4	0.4	1.6	0.6	168	0.1	0.1	0.1	183	2.16	0.148	5	76.7	2.69	34	0.162	15	3.04	1.615	0.05	0.2	0.01	4.9	0.1	0.05	8	
26[illegible]	[illegible]2-04	13360	74.00	76.00	2.00	1.7	856.3	6.5	59	0.2	46.3	30.9	1199	6.01	7.3	0.3	5	0.9	122	0.1	0.1	0.1	271	1.64	0.154	8	35.8	3.49	34	0.222	24	4.71	3.441	0.13	0.2	0.01	9.8	0.1	0.05	11	
26[illegible]	[illegible]2-04	13361	76.00	78.00	2.00	1.1	82	4.9	62	0.1	29.8	24	926	4.73	4.2	0.3	2.5	0.8	146	0.1	0.1	0.1	249	3.18	0.19	7	24	1.7	37	0.184	14	4.22	2.534	0.05	0.1	0.01	4.7	0.1	0.14	10	
263	RP02-04	13362	78.00	80.00	2.00	1	155.3	5.9	65	0.1	36.9	27.8	1059	4.98	5.3	0.5	1.3	0.8	135	0.1	0.1	0.1	218	3.68	0.184	7	33.6	2.42	38	0.206	17	4.09	2.556	0.17	0.2	0.01	7.5	0.1	0.05	10	
264	RP02-04	13363	80.00	82.00	2.00	0.7	138.2	4.5	69	0.1	40.2	29.4	1082	4.69	4.2	0.4	1.8	0.7	123	0.1	0.1	0.1	244	3.28	0.156	6	31.4	1.99	36	0.197	13	3.4	2.119	0.07	0.2	0.01	5.9	0.1	0.05	9	
265	RP02-04	13364	82.00	84.00	2.00	0.8	112.1	4.2	58	0.1	44.6	31.6	1101	5.24	3	0.4	2.9	0.7	148	0.1	0.1	0.1	277	3.33	0.162	6	31.8	2.3	36	0.214	13	3.49	1.901	0.06	0.2	0.01	6.1	0.1	0.05	9	
266	RP02-04	13365	84.00	86.00	2.00	0.7	157.7	3.4	60	0.1	46.1	28.5	1044	5.01	2.6	0.4	3.1	0.7	209	0.1	0.1	0.1	222	2.78	0.154	6	32.1	1.93	58	0.194	17	3.49	1.749	0.05	0.2	0.01	4.6	0.1	0.05	8	
267	RP02-04	13366	86.00	88.00	2.00	0.6	16.2	4.9	62	0.1	24.9	24.1	914	4.44	3.5	0.4	1.6	0.7	127	0.1	0.1	0.1	193	3.79	0.162	6	29.2	1.9	37	0.178	13	3.84	2.727	0.06	0.2	0.01	6.7	0.1	0.05	8	
268	RP02-04	13367	88.00	90.00	2.00	0.7	21.9	5.2	58	0.1	27.5	25.8	910	4.85	3.1	0.3	0.6	0.7	142	0.1	0.1	0.1	243	3.15	0.152	6	30.7	2.24	37	0.178	11	3.89	2.475	0.07	0.1	0.01	7.9	0.1	0.05	8	
269	RP02-04	13368	90.00	92.00	2.00	0.7	43.3	5	66	0.1	30.2	29.7	975	5	3.5	0.3	1.2	0.6	141	0.1	0.1	0.1	171	2.54	0.144	6	45.2	2.15	35	0.183	12	3.56	2.255	0.14	0.2	0.01	8.7	0.1	0.05	9	
270	RP02-04	13369	92.00	94.00	2.00	0.6	42.1	3	61	0.1	28.3	26.2	928	5.29	2.9	0.4	4.3	0.7	318	0.1	0.1	0.1	252	2.63	0.14	6	31.6	1.55	75	0.195	17	3.23	1.438	0.06	0.3	0.01	5.7	0.1	0.05	8	
271	RP02-04	13370	94.00	96.00	2.00	0.5	26.1	4.4	60	0.1	44.6	30.1	932	4.93	3.2	0.3	1	0.6	158	0.1	0.1	0.1	203	3.32	0.141	6	48.1	2.24	40	0.183	11	3.43	1.897	0.09	0.3	0.01	7.3	0.1	0.05	8	
272	RP02-04	13371	96.00	98.00	2.00	0.5	14	2.1	48	0.1	104.2	33.9	986	4.34	4.1	0.2	1.7	0.5	193	0.1	0.1	0.1	147	4.15	0.118	4	101.7	2.82	32	0.107	11	2.05	0.715	0.06	0.3	0.01	5	0.1	0.05	6	
273	RP02-04	13372	98.00	100.00	2.00	0.6	25.1	5	62	0.1	61	30.3	732	4.86	5.7	0.5	3.7	0.8	173	0.1	0.1	0.1	170	4.24	0.163	7	102.3	2.75	43	0.172	19	4.39	2.56	0.35	0.1	0.01	8.3	0.1	0.05	9	
274	RP02-04	13373	100.00	102.00	2.00	0.6	18.1	6.5	73	0.1	39.9	29	773	5.1	4.8	0.7	9.9	0.9	204	0.1	0.1	0.1	202	2.63	0.204	8	135.7	3.46	57	0.215	31	6.16	3.616	0.41	0.1	0.01	11	0.1	0.05	10	
275	RP02-04	13374	102.00	104.00	2.00	0.7	29.6	4.3	61	0.1	118	39.1	1057	5.2	3.9	0.5	10	0.7	211	0.1	0.1	0.1	182	2.83	0.155	6	159.9	5.06	38	0.161	25	4.05	1.592	0.24	0.2	0.01	8	0.1	0.05	8	
276	RP02-04	13375	104.00	105.06	1.06	0.9	80.2	3.8	60	0.1	87.3	32.5	816	5	3.6	0.4	2.6	0.6	110	0.1	0.1	0.1	215	3.53	0.149	6	260.3	3.07	26	0.166	17	2.3	0.944	0.07	0.6	0.01	7.3	0.1	0.05	8	
277	RP02-05	13376	6.60	8.00	1.40	1	121.3	5	84	0.1	4.1	21.8	1190	4.84	5.3	0.8	3.4	1.4	169	0.1	0.1	0.1	177	2.35	0.232	14	6	1.53	29	0.258	20	6.09	3.123	0.13	0.2	0.07	5	0.1	0.08	14	
278	RP02-05	13377	8.00	10.00	2.00	1.6	141.6	2.9	95	0.1	4.5	20.4	1199	5.4	2.2	0.9	3.7	1.8	193	0.1	0.2	0.1	175	1.71	0.278	14	8.2	1.39	26	0.264	20	7.3	4.465	0.05	0.1	0.02	2.6	0.1	0.05	14	
279	RP02-05	13378	10.00	12.00	2.00	1	127.4	4.9	84	0.1	3.5	23.3	1247	5.34	5	0.8	3.7	1.4	131	0.1	0.1	0.1	192	2.97	0.253	13	5.5	1.65	25	0.233	16	6.86	3.485	0.09	0.1	0.11	4.9	0.1	0.11	14	
280	RP02-05	13379	12.00	14.00	2.00	1.1	154.9	5.7	85	0.1	3.8	23.5	1334	5.73	6.4	0.9	3.2	1.4	112	0.1	0.2	0.1	178	2.5	0.253	13	5	1.77	20	0.307	15	6.85	3.632	0.06	0.2	0.15	5.2	0.3	0.07	16	
281	RP02-05	13380	14.00	16.00	2.00	0.9	131.6	8	85	0.1	3.6	20.9	1296	5.52	5.5	0.8	4.8	1.3	133	0.3	0.1	0.1	188	2.24	0.275	15	5.1	1.61	32	0.343	16	7.33	4.093	0.11	0.3	0.12	4.1	0.1	0.08	15	
282	RP02-05	13381	16.00	18.00	2.00	0.7	137.7	4.5	97	0.1	4.1	23.4	1497	5.81	4.7	0.7	2.8	1.2	150	0.1	0.2	0.1	200	1.52	0.288	14	5.5	1.71	35	0.384	18	6.96	3.678	0.17	0.2	0.04	3	0.1	0.05	14	
283	RP02-05	13382	18.00	20.00	2.00	1	102.4	7.3	79	0.1	3.3	18.4	1253	4.92	5.9	0.7	2.7	1.2	155	0.5	0.1	0.1	169	1.75	0.25	13	4.4	1.41	31	0.277	73	6.23	3.212	0.1	0.1	0.06	3.1	0.1	0.1	13	
284	RP02-05	13383	20.00	22.00	2.00	0.5	149	4.4	109	0.1	2.9	18.7	1335	5.04	2.9	0.8	1.1	1.4	132	0.1	0.1	0.1	158	1.94	0.263	12	4.1	1.22	22	0.238	45	7.59	4.641	0.05	0.2	0.01	2.2	0.1	0.05	13	
285	RP02-05	13384	22.00	24.00	2.00	1.7	204.2	228.2	570	1	3.2	21.2	2495	5.75	5.3	0.8	3.2	1.3	110	10.8	0.1	0.2	181	2.42	0.272	13	6.3	1.82	29	0.303	46	7.1	3.966	0.09	0.2	0.03	3.9	0.1	0.08	17	
286	RP02-05	13385	24.00	26.00	2.00	0.8	379.6	97.6	388	1.2	3.4	22.9	2348	5.94	4.8	0.7	4.1	1.3	165	7.3	0.1	0.1	212	2.15	0.281	14	6.7	1.67	41	0.312	16	6.02	2.925	0.11	0.3	0.02	4	0.1	0.09	15	
287	RP02-05	13386	26.00	28.00	2.00	1.4	118	37.7	215	0.1	3.1	18.4	1646	5.07	5.2	0.8	2	1.4	226	5.2	0.1	0.1	177	2.34	0.244	13	4.6	1.39	33	0.314	28	5.62	2.76	0.12	0.1	0.04	3.3	0.1	0.08	13	
288	RP02-05	13387	28.00	30.00	2.00	1	135.5	6.3	98	0.1	2.9	19.6	1283	4.99	6.7	0.9	2.5	1.4	210	0.7	0.1	0.1	170	3.2	0.256	13	6.4	1.56	26	0.274	275	6.22	3.433	0.12	0.2	0.04	3.6	0.1	0.08	14	
289	RP02-05	13388	30.00	32.00	2.00	0.7	141.8	6.2	83	0.1	2.2	18.4	1237	4.5	5.7	0.7	4	1.3	267	0.7	0.1	0.1	178	2.33	0.283	12	3.7	1.74	34	0.255	251	5.74	3.6	0.1	0.1	0.04	2.7	0.1	0.12	13	
290	RP02-05	13389	32.00	34.00	2.00	1	126.8	9.4	137	0.1	4	19.2	1334	4.66	6.6	0.8	3.1	1.3	301	0.7	0.2	0.1	178	1.93	0.258	13	6.1	1.53	36	0.275	163	5.76	3.885	0.14	0.1	0.04	3.6	0.1	0.13	15	
291	RP02-05	13390	34.00	36.00	2.00	0.9	126.3	404.7	613	0.9	3.4	18.4	2276	4.68	7.8	0.9	5.3	1.2	139	10.1	0.1	0.1	191	4.8	0.243	13	7.1	1.7	30	0.271	69	5.55	3.59	0.1	0.2	0.03	4	0.1	0.11	14	
292	RP02-05	13391	36.00	38.00	2.00	0.8	111.3	82.9	379	0.3	5	18.8	2087	4.21	7.2	0.8	2.6	1.2	143	0.5	0.1	0.1	162	5.93	0.238	11	7.3	1.53	28	0.251	22	5.11	3.237	0.12	0.1	0.06	4.4	0.1	0.16	12	
293	RP02-05	13392	38.00	40.00	2.00	0.8	243.8	201	873	2.3	6.4	21.7	2277	5.66	5.1	0.9	13.2	1.2	109	2.6	0.2	0.1	203	3.85	0.247	12	13.1	1.75	30	0.305	26	5.47	3.69	0.1	0.2	0.03	6.6	0.1	0.05	15	
294	RP02-05	13393	40.00	42.00	2.00	0.7	584.2	483.7	705	6.9	2.9	19.5	2111	4.3	5.6	0.7	3.6	1.1	133	8.2	0.1	0.1	168	2.24	0.247	12	4.9	1.69	28	0.271	16	5.06	3.384	0.15	0.1	0.03	4.7	0.1	0.11	13	
295	RP02-05	13394	42.00	44.00	2.00	0.8	129.4	148.7	611	0.6	2.9	18.3	2044	4.52	6.1	0.8	2.9	1.3	157	3.9	0.1	0.1	180	2.1	0.253	12	5	1.74	30	0.253	18	5.77	3.74	0.11	0.2	0.04	4	0.1	0.05	15	
296	RP02-05	13395	44.00	46.00	2.00	1.1	115.8	87.3	362	0.2	3.1	18.9	1907	4.85	6.9	0.7	4.2	1.2	113	2.4	0.1	0.1	183	1.87	0.257	12	4.7	1.74	31	0.295	37	6.23	3.899	0.21	0.1	0.08	3.9	0.1	0.12	13	
297	RP02-05	13396	46.00	48.00	2.00	1.4	207.6	89.5	557	0.4	2.7	21.4	2329	5.11	23.6	0.9	2.5	1.2	290	0.1	0.1	0.1	182	2.26	0.322	14	2.7	1.94	28	0.349	104	6.7	4.204	0.25	0.3	0.02	3.5	0.1	0.05	14	
298	RP02-05	13397	48.00	50.00	2.00	1.5	101.5	25.3	540	0.1	2.1	23.4	2057	5.3	20.5	0.6	2	1.3	590	0.1	0.2	0.1	188	2.96	0.377	14	1.9	2.32	19	0.339	151	7.3	4.331	0.17	0.2	0.01	3.5	0.1	0.05	17	
29[illegible]	[illegible]2-05	13398	50.00	52.00	2.00	0.5	70.4	22	88	0.1	1.7	21.4	1204	4.82	3.4	0.6	2.4	1.2	296	0.1	0.1	0.1	186	2.37	0.353	13	2.5	1.65	29	0.296	144	6.41	4.421	0.08	0.2	0.01	2.2	0.1	0.05	13	
30[illegible]	[illegible]2-05	13399	52.00	54.00	2.00	0.4	146.7	6.2	87	0.1	2.1	22.7	1389	5.05	2.6	0.7	1.5	1.2	339	0.1	0.1	0.2	176	2.4	0.375	13	2.5	1.65	29	0.324	102	6.85	4.282	0.08	0.1	0.01	2.4	0.1	0.05	14	
301	RP02-05	13400	54.00	56.00	2.00	0.9	122.1	5.3	84	0.1	3	19.2	1148	4.88	2.9	0.9	3	1.4	287	0.1	0.1	0.1	179	2.05	0.273	12	5.5	1.32	36	0.287	143	6.03	4.187	0.13	0.1	0.04	2.7	0.1	0.06	14	
302	RP02-05	13401	56.00	58.00	2.00	1.2	120.3	5.6	90	0.1	3.7	20.9	1195	5.07	4.1	0.8	4.8	1.4	207	0.1	0.1	0.1	172	1.99	0.256	13	5.6	1.33	33	0.29	55	6.71	4.668	0.16	0.2	0.07	3.4	0.2	0.12	15	
303	RP02-05	13402	58.00	60.00	2.00	1.5	147.8	5.4	103	0.1	4	24	1395	5.68	5.7	0.9	4.3	1.5	187	0.1	0.1	0.2	198	2	0.281	13	5.8	1.41	35	0.315	31	6.72	4.792	0.22	0.2	0.06	3.3	0.2	0.17	16	
304	RP02-05	13403	60.00	62.00	2.00	1.3	169.7	5.4	88	0.1	4	23.4	1316	5.29	5.7	0.9	5.6	1.4	143	0.1	0.1	0.1	190	1.97	0.274	13	6.8	1.67	38	0.304	25	6.96	5.009	0.13	0.1	0.07	3.4	0.2	0.09	17	
305	RP02-05	13404	62.00	64.00	2.00	1.2	123.4	4.8	86	0.1	4.2	22.7	1261	5.6	4.2	0.8	3.8	1.4	172	0.1	0.1	0.1	204	1.56	0.276	14	6	1.57	42	0.312	29	6.23	4.409	0.19	0.2	0.07	3.5	0.1	0.13	15	
306	RP02-05	13405	64.00	66.00	2.00	1.2	129.1	5.4	87	0.1	5.6	23.1	1283	5.23	4.3	0.9	4.3	1.4	184	0.1	0.1	0.1	196	2.87	0.288	13	10	1.86	38	0.337	31	6.68	4.357	0.2	0.1	0.11	4.6	0.2	0.2	15	
307	RP02-05	13406	66.00	68.00	2.00	1	138.1	3.3	79	0.1	2.2	18.8	1301	4.64	3.2	0.9	4.9	1.4	243	0.1	0.1	0.1	149	1.85	0.286	13	3.8	1.73	56	0.273	29	6.74	4.552	0.11	0.1	0.02	3.2	0.1	0.08	15	
308	RP02-05	13407	68.00	70.00	2.00	0.9	106.7	5.7	80	0.1	2.7	19.1	1237	4.68	3.6	0.8	2.6	1.3	192	0.1	0.1	0.1	147	2.2	0.271	12	4.1	1.41	31	0.251	28	6.71	5.005	0.12	0.1	0.02	3.3	0.2	0.07	15	
309	RP02-05	13408	70.00	72.00	2.00	0.9	116.4	4	84	0.1	3.9	21.5	1214	5.06	4	0.8	4.2	1.3	285	0.1	0.1	0.1	180	2.55	0.28	13	7.1	1.55	32	0.311	30	6.19	3.954	0.18	0.2	0.01	3.4	0.1	0.08	17	
310	RP02-05	13409	72.00	74.00	2.00	1	108.7	3.6	67	0.1	6.3	19.3	1077	4.82	5.8	0.7	4.3	1.4	186	0.1	0.1	0.1	173	2.08	0.247	13	14.1	1.55	40	0.302	22	5.78	3.742	0.14	0.1	0.02	4.3	0.1	0.08	14	
311	RP02-05	13410	74.00	76.00	2.00	1.2	102.9	5.9	72	0.1	4.4	20.7	1183	5.1	3.4	0.8	2.7	1.3	143	0.1	0.1	0.1	191	2.29	0.252	14	7.2	1.49	38	0.31	30	5.42	3.619	0.19	0.2	0.06	4.3	0.1	0.08	13	
312	RP02-05	13411	76.00	78.00	2.00	1.3	127.8	4	92	0.1	7.4	20.6	1282	4.96	3.9	0.9	10.7	1.3	227	0.1	0.1	0.1	184	2.14	0.246	13	18.7	1.51	45	0.28	28	6.16	4.015	0.17	0.1	0.01	3.8	0.1	0.06	16	
313	RP02-05	13412	78.00	80.00	2.00	1	112.8	4.8	81	0.1	6.1	19	1161	4.4	3.4	0.8	8.1	1.3	254	0.1	0.1	0.1	169	1.67	0.233	12	16.3	1.43	37	0.311	33	5.88	4.103	0.18	0.1	0.03	3.1	0.1	0.05	14	
314	RP02-05	13413	80.00	82.00	2.00	1.4	134.2	6.1	91	0.1	5.1	22.1	1254	5.22	4.4	0.8	4.9	1.4	287	0.1	0.1	0.1	197	1.68	0.281	14	7.7	1.74	60	0.336	41	6.42	3.927	0.2	0.2	0.07	4	0.1	0.15	16	
315	RP02-05	13414	82.00	84.00	2.00	1.6	134.8	6.3	93	0.1	4.5	26	1375	5.8	5.4	0.9	4.8	1.4	230	0.1	0.1	0.1	204	1.59	0.298	14	7.8	1.73	43	0.354	41	6.52	4.352	0.21	0.2	0.08	3.8	0.1	0.21	17	
316	RP02-05	13415	84.00	86.00	2.00	1.6	135.9	5.7	105	0.1	4.1	25.6	1710	6.12	3.9	0.8	3.9	1.5	247	0.1	0.1	0.1	245	1.77	0.295	15	7.9	1.82	48	0.378	35	7.01	4.83	0.18	0.3	0.06	3.9	0.1	0.13	18	
317	RP02-05	13416	86.00	88.00	2.00	1.5	112.4	5.4	91	0.1	5.9	23	1494	5.46	4	0.9	1.7	1.4	189	0.1	0.1	0.1	204	4.83	0.26	14	9.6	1.82	30	0.343	35	6.22	4.171	0.12	0.3	0.01	4.4	0.1	0.13	16	
318	RP02-05	13417	88.00	90.00	2.00	1.2	112.6	7.1	93	0.1	6.1	25.1	1521	5.34	3.4	0.9	2.8	1.4	158	0.1	0.1	0.1	197	4.25	0.277	14	10.1	1.91	33	0.351	28	6.1	4.015	0.14	0.2	0.02	4.2	0.1	0.16	15	
319	RP02-05	13418	90.00	92.00	2.00	0.7	136.3	2.1	88	0.1	3.3	22.9	1398	5.23	2.2	0.9	1.8	1.3	129	0.1	0.1	0.1	198	1.84	0.298	16	4.2	2.01	27	0.326	38	7.21	5.436	0.08	0.1	0.01	3.1	0.1	0.05	16	
320	RP02-05	13419	92.00	94.00	2.00	1.1	137.7	4.8	87	0.1	3.6	21.9	1394	5.26	2.7	0.8	2.2	1.3	196	0.1	0.1	0.1	190	2.13	0.277	14	5.5	1.62	42	0.325	30	5.84	4.121	0.11	0.1	0.02	4.1	0.1	0.08	14	
321	RP02-05	13420	94.00	96.00	2.00	0.8	130.3	5.9	84	0.1	3.9	18.8	1178	4.75	3.5	0.9	3.2	1.5	270	0.1	0.1	0.1	165	1.76	0.219	14	5.2	1.26	44	0.329	17	4.62	2.723	0.09	0.3	0.01	2.3	0.1	0.16	11	
322	RP02-05	13421	96.00	98.00	2.00	1.2	125.7	6.8	93	0.1	3.8	21.5	1425	5.18	3.8	0.7	6.1	1.4	306	0.1	1.5	0.1	182	2.37	0.219	13	6.7	1.55	32	0.302	22	6.12	3.434	0.08	0.3	0.02	3.6	0.1	0.11	14	
323	RP02-05	13422	98.00	100.00	2.00	1.1	103.2	5.7	80	0.1	4.4	19.9	1183	4.98	3.5	0.8	1.5	1.4	352	0.1	0.1	0.1	166	2.46	0.21	13	6.9	1.39	30	0.267	33	5.95	3.295	0.1	0.2	0.01	3.3	0.1	0.09	12	
324	RP02-05	13423	100.00	102.00	2.00	1.1	114.4	3.9	85	0.1	5.2	20.1	1348	5.13	2.7	0.8	2.6	1.5	213	0.1	0.1	0.1	174	1.56	0.226	14	6.7	1.48	34	0.279	31	5.97	3.748	0.09	0.3	0.01	2.8	0.1	0.05	13	
325	RP02-05	13424	102.00	104.00	2.00	1.4	107.2	5.8	69	0.1	23.4	25.7	1040	5.14	5.9	0.7	1.9	1.7	150	0.1	0.1	0.1	213	2.38	0.214	12	40.2	1.84	27	0.24	22	3.73	2.121	0.12	0.4	0.01	5.6	0.1	0.05	10	
326	RP02-05	13425	104.00	106.00	2.00	1.2	55.5	5.3	65	0.1	18.1	24.6	964	5.12	4.6	0.7	2.6	1.7	146	0.1	0.1	0.1	196	2.42	0.228	12	31.8	1.56	26	0.222	18	3.55	2.039	0.13	0.7	0.01	5.4	0.1	0.05	8	
327	RP02-05	13426	106.00	108.00	2.00	1.2	128.1	5.2	66	0.1	17.2	24.4	1157	5.14	3.8	0.7	4.2	1.7	148	0.1	0.1	0.1	228	2.37	0.221	13	32.8	1.72	26	0.246	28	4.19	2.511	0.11	0.3	0.01	5.3	0.1	0.05	9	
328	RP02-05	13427	108.00	110.00	2.00	1.5	241.1	4.6	60	0.1	17.9	23.5	1001	4.78	5.3	0.7	1.6	1.7	172	0.2	0.1	0.1	199	3.41	0.217	12	34.1	1.64	25	0.204	20	3.82	2.316	0.08	0.3	0.01	6.9	0.1	0.05	8	
329	RP02-05	13428	110.00	112.00	2.00	1.2	39.3	5.4	75	0.1	19.1	26.7	1128	5.14	5.5	0.7	2.7	1.7	203	0.1	0.1	0.1	204	3.07	0.224	13	41.6	1.86	28	0.218	16	3.81	2.164	0.09	0.3	0.01	7.5	0.1	0.05	10	
330	RP02-05	13429	112.00	114.00	2.00	1.3	64.6	4.9	65	0.1	21.1	27.2	1090	5.26	5.6	0.7	3.6	1.7	161	0.1	0.2	0.1	215	2.51	0.225	13	42	2.08	26	0.246	25	3.63	2.078	0.12	0.5	0.01	7.4	0.1	0.05	10	
331	RP02-05	13430	114.00	116.00	2.00	1	45.9	4.5	67	0.1	18.7	25.9	1123	4.84	4.9	0.6	1.1	1.5	136	0.1	0.1	0.1	190	2.51	0.219	12	37	1.83	24	0.241	17	4.04	2.478	0.11	0.4	0.01	6.8	0.1	0.05	9	
332	RP02-05	13431	116.00	118.00	2.00	1.2	55.4	5.3	69	0.1	19.7	26.2	1032	4.88	5.4	0.7	1.8	1.8	161	0.1	0.1	0.1	181	2.56	0.237	13	37	1.6	30	0.21	20	3.8	2.276	0.09	0.7	0.01	5.7	0.1	0.05	10	
333	RP02-05	13432	118.00	120.00	2.00	1	37.7	4.8	63	0.1	18	24	1044	4.79	6.8	0.6	1.2	1.6	155	0.1	0.2	0.1	185	4.65	0.231	11	34.8	1.42	26	0.206	20	3.41	2.055	0.1	0.4	0.08	6.9	0.1	0.32	9	
334	RP02-05	13433	120.00	122.00	2.00	1	102.8	4.6	63	0.1	17.5	24.3	1002	4.86	4.8	0.6	1.4	1.7	190	0.1	0.1	0.1	192	2.28	0.237	12	34.5	1.62	28	0.208	66	3.69	2.101	0.12	0.7	0.01	5.1	0.1	0.05	8	
335	RP02-05	13434	122.00	124.00	2.00	1.1	129.6	4.7	69	0.1	19.5	25.1	1102	5.19	5	0.8	2.3	1.7	217	0.1	0.1	0.1	200	2.14	0.224	13	33.2	1.73	31	0.24	17	3.73	2.267	0.13	0.4	0.02	5.8	0.1	0.05	11	
336	[illegible]2-05	13435	124.00	126.00	2.00	1	35	5.1	70	0.1	18.8	23.9	1027	4.91	6.2	0.7	0.6	1.8	202	0.1	0.1	0.1	196	2.78	0.232	12	36.3	1.67	26	0.2	224	3.74	1.983	0.09	0.7	0.01	5.7	0.1	0.08	10	
33[illegible]	[illegible]2-05	13436	126.00	128.00	2.00	1.2	157.9	5.8	69	0.1	19.2	25.9	1079	4.87	4.1	0.8	0.5	1.9	188	0.1	0.1	0.1	202	2.46	0.262	13	38.2	1.96	32	0.22	18	3.8	2.438	0.12	0.4	0.01	6.4	0.1	0.05	10	
338	RP02-05	13437	128.00	130.00	2.00	1.4	111.8	4.4	56	0.1	19.1	22.8	981	4.82	3.7	0.7	5.3	1.7	163	0.1	0.1	0.1	210	2.19	0.256	12	45.2	1.38	31	0.192	20	3.51	2.208	0.1	0.8	0.01	5	0.1	0.05	8	
339	RP02-05	13438	130.00	132.00	2.00	1.1	51.4	5.3	62	0.1	18.5	24.1	983	5.06	4.5	0.7	1.1	1.8	193	0.1	0.1	0.1	224	2.32	0.235	13	41.1	1.65	30	0.224	18	3.57	2.165	0.11	0.4	0.01	6.1	0.1	0.05	9	
340	RP02-05	13439	132.00	134.00	2.00	1.1	34	4.7	62	0.1	17.1	23.8	1049	4.88	4.1	0.6	1.3	1.6	158	0.1	0.1	0.1	228	3.68	0.227	12	44.8	1.61	27	0.211	19	3.92	2.244	0.09	0.5	0.01	6.4	0.1	0.05	10	
341	RP02-05	13440	134.00	136.00	2.00	1.1	36.1	5.2	64	0.1	22.2	23.8	1144	5.12	3.5	0.7	1.5	1.5	152	0.1	0.1	0.1	208	2.54	0.214	11	40	1.53	33	0.213	19	3.68	2.381	0.11	0.3	0.01	5.7	0.1	0.05	9	
342	RP02-05	13441	136.00	138.00	2.00	1.2	37.6	5	64	0.1	20.6	23.9	964	5.25	3.8	0.7	1.1	1.7	278	0.1	0.1	0.1	197	2.35	0.241	12	43.7	1.65	28	0.209	37	3.64	2.036	0.12	0.3	0.01	5.7	0.1	0.05	10	
343	RP02-05	13442	138.00	140.00	2.00	1.2	388.3	5.8	65	0.2	21.8	26.9	1050	5.16	4.1	0.7	2	1.8	192	0.1	0.1	0.1	210	2.57	0.245	13	40.4	1.76	33	0.211	53	3.99	2.473	0.11	0.5	0.02	6.3	0.1	0.05	10	
344	RP02-05	13443	140.00	142.00	2.00	0.9	464.3	4.3	75	0.2	17.2	22.7	1244	5.19	3.8	0.8	1.4	2	154	0.1	0.1	0.1	232	2.32	0.235	14	37.4	1.55	28	0.195	16	3.86	2.489	0.09	0.2	0.01	5.6	0.1	0.05	10	

RIM PROPERTY
CORE GEOCHEMICAL DATA

	Drillhole No.	Sample No.	From(m)	To(m)	Length	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)
345	RP02-05	13444	142.00	144.00	2.00	1	56.9	4.9	63	0.1	17.9	23.7	1088	4.86	5.1	0.7	2.7	1.5	149	0.1	0.1	0.1	198	2.41	0.218	11	42.1	1.69	27	0.197	17	3.72	2.249	0.14	0.5	0.01	6.6	0.1	0.05	9	
346	RP02-05	13445	144.00	146.00	2.00	0.9	56.8	4.7	63	0.1	23.4	22.4	950	4.55	3	0.7	1.4	1.8	234	0.2	0.1	0.1	190	2.11	0.227	11	38.3	1.44	28	0.187	21	3.36	1.739	0.1	0.2	0.01	5.6	0.1	0.05	8	
3[illegible]	[illegible]02-05	13446	146.00	148.00	2.00	1.1	215.1	4.2	60	0.2	16.7	22.5	959	4.5	4.1	0.9	1.5	1.9	160	0.1	0.1	0.1	195	2.31	0.24	12	39.4	1.48	30	0.192	81	3.75	2.341	0.12	0.5	0.01	5.7	0.1	0.06	9	
3[illegible]	[illegible]02-05	13447	148.00	150.00	2.00	1.4	65.9	5	62	0.1	21.9	24.6	1069	5.23	3.7	0.8	1.2	1.9	157	0.1	0.1	0.1	195	2.14	0.255	12	42	1.69	33	0.209	105	3.51	2.028	0.12	0.5	0.01	5.5	0.1	0.05	9	
349	RP02-05	13448	150.00	152.00	2.00	1.3	141.3	5.5	69	0.1	22.8	21.9	1032	4.89	4.4	0.8	2.4	1.8	158	0.1	0.1	0.1	206	2	0.253	13	44.5	1.87	31	0.224	25	3.82	2.475	0.14	0.9	0.02	5.9	0.1	0.05	10	
350	RP02-05	13449	152.00	154.00	2.00	1.2	81.8	5.6	69	0.1	20.1	23.8	1062	4.98	4	0.8	0.9	1.9	155	0.1	0.1	0.1	228	1.99	0.264	13	40.2	1.66	33	0.218	22	3.99	2.493	0.14	0.5	0.01	5.2	0.1	0.05	10	
351	RP02-05	13450	154.00	156.00	2.00	1.1	68.6	5	59	0.1	17.3	21.1	1008	4.59	3	0.8	1.1	2	159	0.1	0.1	0.1	217	2.03	0.255	12	44.8	1.4	34	0.2	23	3.27	2.227	0.16	0.9	0.01	5	0.1	0.05	7	
352	RP02-05	13451	156.00	158.00	2.00	1	43.7	4.2	57	0.1	21.5	25.9	932	5.05	3.7	0.7	1.7	1.5	179	0.1	0.1	0.1	206	3.71	0.288	11	51.7	1.4	27	0.217	21	3.75	2.163	0.11	0.4	0.01	6.3	0.1	0.09	9	
353	RP02-05	13452	158.00	160.00	2.00	1.2	52.7	5.6	68	0.1	23.2	25	931	5.43	3.5	0.7	1.6	1.9	180	0.2	0.1	0.1	233	2.25	0.301	14	37.2	1.84	34	0.253	24	3.85	2.297	0.09	0.6	0.04	5.5	0.1	0.05	10	
354	RP02-05	13453	160.00	162.00	2.00	0.8	146.9	5.4	75	0.1	20.1	25.1	949	5.13	5.3	0.8	3.7	1.8	167	0.1	0.1	0.1	199	1.86	0.272	13	36.1	1.47	30	0.212	20	3.58	2.531	0.09	0.3	0.03	4.9	0.1	0.05	11	
355	RP02-05	13454	162.00	164.00	2.00	1	36.7	4.9	51	0.1	14.6	21.3	822	4.26	6.3	0.8	0.8	1.9	224	0.1	0.1	0.1	192	4.03	0.266	14	24.2	1.32	31	0.185	26	4.16	1.96	0.1	0.5	0.05	5	0.1	0.05	10	
356	RP02-05	13455	164.00	166.00	2.00	1.1	30.8	5	71	0.1	20.7	26	1109	5.53	3.9	0.8	2.5	2	201	0.1	0.1	0.1	225	2.58	0.305	14	32.8	1.64	41	0.221	34	3.85	2.348	0.23	0.3	0.02	5	0.1	0.05	10	
357	RP02-05	13456	166.00	168.00	2.00	1.1	78.4	5	67	0.1	22.6	26.5	1004	5.12	3.7	0.8	2.5	1.9	169	0.1	0.2	0.1	210	2.73	0.263	15	33.9	1.77	37	0.235	27	3.26	1.847	0.25	0.6	0.04	5.5	0.1	0.05	9	
358	RP02-05	13457	168.00	170.00	2.00	1.2	100.5	5.4	68	0.1	18.5	24.1	985	4.97	4.2	0.8	3.2	1.8	179	0.1	0.1	0.1	232	2.74	0.26	14	33.4	1.51	28	0.231	31	3.48	2.044	0.09	0.3	0.03	5	0.1	0.05	10	
359	RP02-05	13458	170.00	172.00	2.00	1.1	43.4	6.5	68	0.1	21.9	27.3	953	5.21	4.4	0.9	2.2	2	176	0.1	0.1	0.1	204	2.89	0.293	15	36.3	1.57	35	0.231	25	3.65	2.191	0.17	0.4	0.05	5.6	0.1	0.05	10	
360	RP02-05	13459	172.00	174.00	2.00	1.1	190.2	5.9	77	0.1	15.5	22.1	947	4.56	5.5	0.9	4.1	2	162	0.1	0.1	0.1	208	2.3	0.286	15	25.5	1.45	28	0.212	25	3.5	2.172	0.16	0.3	0.03	5	0.1	0.05	9	
361	RP02-05	13460	174.00	176.00	2.00	1.2	67.1	5.8	62	0.1	18.7	22.8	908	5.16	4.1	0.9	3.6	1.9	185	0.1	0.1	0.1	208	2.6	0.282	16	30.9	1.53	35	0.211	22	3.38	2.136	0.16	0.5	0.02	5.3	0.1	0.05	9	
362	RP02-05	13461	176.00	178.00	2.00	1.1	162.3	4.9	61	0.1	21.8	25.5	1038	4.77	3.7	0.8	1.6	1.6	161	0.1	0.1	0.1	231	2.65	0.268	13	38.9	1.63	37	0.195	24	3.58	2.157	0.17	0.3	0.02	4.9	0.1	0.05	8	
363	RP02-05	13462	178.00	180.00	2.00	1.3	36.5	5.2	64	0.1	22.6	23.9	1212	5.29	4	0.9	4.5	1.8	189	0.1	0.1	0.1	199	3.19	0.285	15	38.5	1.82	40	0.23	22	3.5	2.117	0.32	0.3	0.01	6.7	0.1	0.05	9	
364	RP02-05	13463	180.00	182.00	2.00	1.1	34.1	5.5	67	0.1	23	26.9	1211	5.15	4.4	0.9	1.8	1.8	198	0.1	0.1	0.1	198	3.03	0.289	15	44.5	1.82	34	0.225	24	3.31	2.044	0.29	0.3	0.02	6.5	0.1	0.05	7	
365	RP02-05	13464	182.00	184.00	2.00	1.1	35.3	5.2	58	0.1	29.2	24.1	1032	4.87	3.1	0.8	2.6	1.7	184	0.1	0.1	0.1	184	2.88	0.287	13	46.9	1.77	31	0.214	16	3.16	1.871	0.18	0.6	0.02	5.1	0.1	0.05	8	
366	RP02-05	13465	184.00	186.00	2.00	0.9	29	5	53	0.1	23.1	22	828	4.32	2.9	0.7	1.2	1.5	138	0.1	0.1	0.1	178	2.25	0.26	12	35	1.56	30	0.198	18	3.36	2.319	0.15	0.3	0.02	4.2	0.1	0.05	8	
367	RP02-05	13466	186.00	188.00	2.00	1.2	292.8	5.8	62	0.1	16.2	24.1	1113	5.3	3.6	0.9	1.4	1.9	164	0.1	0.1	0.1	217	2.65	0.319	15	25.6	1.65	32	0.236	22	4.49	3.118	0.19	0.3	0.02	4.7	0.1	0.05	10	
368	RP02-05	13467	188.00	190.00	2.00	1.1	329.3	6.1	65	0.1	19.8	25.2	1096	5.16	3.3	0.9	2.6	1.9	168	0.1	0.1	0.1	214	2.43	0.308	15	28.2	1.47	29	0.223	38	4.08	3.05	0.12	0.6	0.03	4.4	0.1	0.05	10	
369	RP02-05	13468	190.00	192.00	2.00	1.1	184.4	6.6	72	0.2	19.5	28.4	1082	5.28	3.1	0.9	1.8	1.9	187	0.1	0.1	0.1	221	2.29	0.32	15	30.9	1.58	32	0.242	28	4.64	3.201	0.14	0.4	0.04	3.9	0.1	0.05	10	
370	RP02-05	13469	192.00	194.00	2.00	1	185.7	5.5	64	0.1	14.8	24.5	1000	5.02	2.8	0.8	0.5	2	245	0.1	0.1	0.1	212	2.48	0.318	15	28.3	1.47	42	0.242	34	4.38	2.958	0.16	0.5	0.03	3.8	0.1	0.05	9	
371	RP02-05	13470	194.00	196.00	2.00	0.9	88.6	5.7	67	0.1	19.4	24.3	962	4.84	3.4	0.8	2.3	1.8	153	0.1	0.1	0.1	218	2.17	0.262	14	33.5	1.51	31	0.224	19	3.95	2.777	0.13	0.3	0.02	4.6	0.1	0.05	9	
372	RP02-05	13471	196.00	198.00	2.00	1	309.6	6.5	67	0.2	20.2	25.9	955	4.96	5.3	0.9	4.4	2	183	0.1	0.1	0.1	213	2.48	0.298	15	31.5	1.59	36	0.238	20	3.88	2.768	0.16	0.6	0.03	5	0.1	0.05	8	
373	RP02-05	13472	198.00	200.56	2.56	1	142.1	5.8	65	0.1	19.8	24.9	950	4.89	4.9	1	4.4	2	160	0.1	0.1	0.1	238	2.26	0.293	15	31.3	1.57	30	0.221	25	3.71	2.831	0.14	0.3	0.02	4.8	0.1	0.05	8	
374	RP03-06	42501	29.09	31.00	1.91	1.2	5589.6	67.3	675	25.8	2.1	7	2025	3.05	39.8	0.6	3.3	1.6	158	0.9	5.4	0.2	110	6.41	0.211	14	1.5	0.17	62	0.031	16	0.78	0.085	0.27	0.5	0.76	3.4	0.1	0.11	2	0.9
375	RP03-06	42502	31.00	33.00	2.00	1.3	4832.9	60.7	838	34.8	1.4	6.1	2212	3.38	39.6	0.6	2.9	1.4	157	0.7	6	0.2	123	6.44	0.191	14	1.4	0.17	115	0.049	17	0.85	0.076	0.31	0.4	1.92	4.2	0.1	0.08	2	0.6
376	RP03-06	42503	33.00	35.00	2.00	1.9	6801.7	63.7	822	21	1.5	6.9	2222	3.62	26	0.6	1.7	1.5	160	0.5	6.2	0.2	126	6.93	0.21	14	3.4	0.16	74	0.059	17	0.78	0.078	0.3	0.4	0.61	4.4	0.1	0.13	2	1.3
377	RP03-06	42504	35.00	37.00	2.00	0.8	976.4	72.5	521	3.2	1.7	10.9	1495	3.47	42.6	1.1	14.6	2.7	188	0.4	8.5	0.2	126	4.19	0.21	23	2.9	0.2	94	0.03	24	0.96	0.102	0.37	0.6	0.2	3.8	0.1	< .05	3	< .5
378	RP03-06	42505	37.00	39.00	2.00	1	65.7	159.1	691	2.3	4.4	16.4	2385	5.23	24.4	0.9	7.4	1.6	240	0.5	13.9	0.1	222	6.23	0.259	14	6.4	0.59	1532	0.06	25	2.09	0.599	0.27	0.3	0.33	8.8	0.1	< .05	6	< .5
379	RP03-06	42506	39.00	41.00	2.00	0.9	45	147.3	833	0.7	6.7	27.9	2449	6.09	23.5	0.9	9.4	1.6	247	0.4	11.3	< .1	285	6.33	0.285	13	7.8	1.04	164	0.145	27	3.39	1.32	0.27	0.1	0.11	10.3	0.1	< .05	9	0.6
380	RP03-06	42507	41.00	45.11	4.11	0.9	142.2	198.6	673	1.3	5.4	23.8	2293	5.9	23.9	0.8	4.6	1.5	252	0.2	9.1	< .1	269	5.3	0.254	13	6.3	1.18	129	0.149	20	3.58	1.586	0.15	0.1	0.13	9.3	0.1	< .05	10	0.8
381	RP03-06	42508	43.00	43.00	0.00	1.1	827.1	110	1244	3.8	6.1	19.5	1960	5.89	22	0.9	4.2	1.7	243	0.4	13.4	0.1	251	5.01	0.261	14	8.3	0.74	589	0.133	23	1.89	0.276	0.31	0.3	0.27	6.5	0.1	< .05	7	0.6
382	RP03-07	42509	4.62	6.00	1.38	0.8	100.4	9.6	85	0.2	10.6	21.1	978	5.47	14.1	0.8	1.7	1.5	346	0.1	0.2	< .1	255	2.48	0.283	12	29.8	1.14	95	0.184	12	4.04	2.031	0.08	0.2	0.02	3.2	< .1	< .05	11	< .5
383	RP03-07	42510	6.00	8.00	2.00	0.7	246.3	16.8	168	0.5	42.7	28.1	1214	4.61	14.9	0.4	1.2	0.9	154	0.1	1.4	< .1	181	3.71	0.166	7	83.2	1.98	128	0.07	12	2.77	0.901	0.15	0.2	0.07	8.3	< .1	< .05	8	< .5
384	[illegible]P03-07	42511	8.00	10.00	2.00	0.6	38.9	13.4	96	0.1	11.3	29	1231	4	27.5	0.6	3.7	1.8	199	0.1	0.7	0.1	205	6.72	0.32	15	17.2	1.42	59	0.084	16	3.66	1.837	0.15	0.2	0.02	6.8	< .1	< .05	9	< .5
3[illegible]	[illegible]3-07	42512	10.00	12.00	2.00	0.4	47.2	14.2	78	0.1	6.2	18	1863	4.07	19.8	0.5	3.5	1.6	188	0.1	3.2	0.1	174	8.23	0.261	14	10.7	0.86	62	0.068	14	3.36	1.814	0.19	0.1	0.03	6.8	0.1	< .05	7	< .5
38[illegible]	[illegible]03-07	42513	12.00	14.00	2.00	0.4	72.4	26.4	94	0.1	3.6	22.7	1532	4.66	17.1	0.7	14.9	2.2	186	0.1	1.2	< .1	182	6.65	0.307	19	5.6	1.36	55	0.051	13	3.97	2.419	0.15	0.2	0.01	3.2	0.1	< .05	10	< .5
387	RP03-07	42514	14.00	16.00	2.00	0.3	242.1	38.5	155	0.2	1.7	15.9	1478	3.68	14.5	0.9	1.8	2.3	193	0.4	0.8	< .1	120	6.31	0.321	19	< 1.0	0.87	36	0.026	16	2.73	1.214	0.24	0.2	0.03	3.2	0.1	< .05	6	< .5
388	RP03-07	42515	16.00	18.00	2.00	0.5	2391.7	68.1	824	2	1.2	17.1	2398	3.59	13.6	0.9	1.6	2.1	169	0.4	1.2	< .1	130	5.76	0.32	19	1.3	1.22	56	0.029	17	3.33	1.57	0.17	0.3	0.06	3.6	< .1	< .05	8	< .5
389	RP03-07	42516	18.00	20.00	2.00	0.6	157.1	64	576	2.8	0.5	17.2	2148	3.5	14.1	0.9	4.7	2.2	154	0.1	1	< .1	120	4.4	0.33	20	< 1.0	1.29	53	0.04	22	4.12	2.572	0.17	0.1	0.18	3.8	0.1	< .05	8	< .5
390	RP03-07	42517	20.00	22.00	2.00	0.4	1706.6	68.1	391	1.4	0.5	13.5	2492	3.19	18.3	0.9	0.9	2.2	128	0.8	1	< .1	105	4.98	0.292	18	< 1.0	1.55	43	0.093	18	4.6	2.987	0.11	0.2	0.08	3.7	< .1	< .05	8	< .5
391	RP03-07	42518	22.00	24.00	2.00	0.3	628.9	63.1	608	0.4	0.5	15.5	2443	3.3	22.8	0.9	2	2.2	128	0.2	1.1	< .1	95	4.34	0.304	19	< 1.0	1.7	44	0.111	15	4.56	3.258	0.1	0.2	0.09	3.4	< .1	< .05	9	< .5
392	RP03-07	42519	24.00	26.00	2.00	0.7	450.8	46.1	512	0.5	< .1	17.3	2022	3.62	20.9	1.1	2.3	2.7	177	0.1	0.8	< .1	140	3.02	0.346	22	< 1.0	1.24	71	0.067	26	4.37	3.189	0.16	0.2	0.07	2.8	0.1	< .05	9	< .5
393	RP03-07	42520	26.00	28.00	2.00	1.4	65.3	42.6	154	0.5	0.5	20	1540	4.91	10.2	1.4	2.6	2.8	282	0.1	0.5	< .1	199	2.49	0.345	20	< 1.0	1.18	103	0.064	30	4.56	3.023	0.15	0.1	0.05	2.2	0.1	< .05	10	< .5
394	RP03-07	42521	28.00	30.00	2.00	0.4	57.9	37	109	0.1	0.6	17.5	1502	3.62	20.3	0.9	1	2.2	148	< .1	0.3	< .1	116	4.67	0.276	18	< 1.0	1.08	49	0.082	16	4.2	2.514	0.12	0.1	0.04	3.3	0.1	< .05	8	< .5
395	RP03-07	42522	30.00	32.00	2.00	0.5	300.8	29.1	92	0.1	0.3	17.8	1409	3.56	14.6	0.9	2.2	2.4	192	0.2	0.3	< .1	122	4.04	0.311	20	1	1.15	54	0.101	19	4.37	3.073	0.13	0.2	0.05	3.3	0.1	< .05	9	< .5
396	RP03-07	42523	32.00	34.00	2.00	1	741.3	52.3	89	0.3	0.5	19.8	1446	4.89	7.7	1.3	2.2	2.7	198	15.2	0.3	< .1	228	2.84	0.299	19	< 1.0	1.13	79	0.058	25	4.75	3.047	0.14	0.1	0.04	2	0.1	< .05	10	< .5
397	RP03-07	42524	34.00	36.00	2.00	1	744.9	28.4	95	0.2	0.3	18.9	1238	4.08	12	1.3	2.6	2.9	195	0.7	0.4	< .1	199	2.96	0.328	21	1.8	1.16	68	0.072	26	4.68	3.354	0.16	0.1	0.04	3	0.1	< .05	10	< .5
398	RP03-07	42525	36.00	38.00	2.00	1.3	99.5	22.8	112	0.2	0.4	22.1	1541	5.09	10.4	1.4	3.7	2.9	417	0.2	0.4	< .1	202	3.2	0.324	20	1	1.13	75	0.065	22	4.94	2.957	0.17	0.1	0.03	2.2	0.1	< .05	12	< .5
399	RP03-07	42526	38.00	40.00	2.00	0.8	97.1	34.1	96	0.2	0.3	17.1	1251	3.67	16.6	1.3	3.4	2.6	289	0.1	0.5	< .1	147	3.28	0.328	20	1.3	0.9	69	0.065	27	4.91	3.454	0.18	0.2	0.02	2.3	0.1	< .05	11	< .5
400	RP03-07	42527	40.00	42.00	2.00	1.1	183.2	5.7	73	0.1	0.5	19.4	1279	4.98	12.4	1.3	2.8	2.7	520	0.2	0.3	< .1	197	2.47	0.328	19	< 1.0	0.94	62	0.069	30	4.8	2.84	0.15	0.2	0.01	1.7	< .1	< .05	12	< .5
401	RP03-07	42528	42.00	44.00	2.00	1.2	202.5	4.5	72	0.1	0.6	19.2	1185	4.79	16.3	1.2	2.1	2.6	688	0.1	0.3	< .1	185	2.56	0.324	17	1.5	0.79	65	0.07	25	4.66	2.366	0.15	0.2	0.01	1	< .1	< .05	12	< .5
402	RP03-07	42529	44.00	46.00	2.00	1.6	173.7	5	77	0.1	0.6	20.9	1305	5.06	22.3	1.3	3.5	2.8	627	0.1	0.4	< .1	191	2.9	0.34	19	1.4	0.84	73	0.062	26	4.47	2.139	0.15	0.2	0.09	1.2	0.1	< .05	11	< .5
403	RP03-07	42530	46.00	48.00	2.00	1.4	79.9	16.7	111	0.7	0.5	22.5	1371	5.19	21.1	1.4	4	3	388	0.1	0.6	< .1	199	2.99	0.369	21	1.5	1.14	81	0.052	31	4.5	3.019	0.19	0.2	0.21	3.1	0.2	0.06	12	< .5
404	RP03-07	42531	48.00	50.00	2.00	1.1	59.7	17.7	91	0.4	104.7	26.6	1316	4.97	15	1.2	2.3	2.6	356	0.1	0.4	< .1	181	2.68	0.27	16	19.1	2.18	170	0.105	19	3.88	2.027	0.25	0.2	0.13	2.5	0.1	< .05	11	< .5
405	RP03-07	42532	50.00	52.00	2.00	1.1	72.9	12.9	82	0.2	133.7	27.6	1337	5.07	12	1.1	2.5	2.6	367	0.1	0.4	< .1	179	2.37	0.295	16	23.2	2.45	157	0.106	20	4	2.051	0.24	0.2	0.13	2.4	0.1	< .05	11	< .5
406	RP03-07	42533	52.00	54.00	2.00	1.2	94.9	10.2	83	0.1	1	20.5	1319	5.04	7.7	1.3	4.1	2.4	472	0.2	0.4	0.1	182	3.99	0.329	21	1.3	0.91	65	0.044	22	4.63	2.276	0.16	0.1	0.02	1.8	0.1	< .05	12	< .5
407	RP03-07	42534	54.00	56.00	2.00	1.4	85.7	11.9	81	0.1	0.5	19.1	1235	5.01	7.9	1.2	3.7	2.5	679	0.1	0.5	< .1	177	2.72	0.322	19	1.6	0.9	65	0.062	22	4.42	1.992	0.17	0.2	0.02	1.4	< .1	< .05	12	< .5
408	RP03-07	42535	56.00	58.00	2.00	1.5	82.6	12.1	81	0.4	0.3	18.1	1388	5.03	11.7	1.3	4.2	2.5	646	0.1	0.5	< .1	184	3.1	0.316	18	1	0.92	63	0.082	17	4.35	1.822	0.16	0.1	0.04	1.2	< .1	< .05	12	< .5
409	RP03-07	42536	58.00	60.00	2.00	1.9	105.9	9.8	81	0.2	0.4	19.7	1268	5.05	12.4	1.2	3.2	2.6	636	0.1	0.5	< .1	185	2.44	0.334	18	1.7	0.86	60	0.101	20	4.36	2.104	0.16	0.1	0.03	1.2	< .1	< .05	12	< .5
410	RP03-07	42537	60.00	62.00	2.00	1.4	70.4	10.5	83	0.1	0.1	19.5	1185	4.86	8.6	1.2	5.1	2.4	494	0.1	0.4	< .1	185	2.52	0.32	18	1.3	0.9	60	0.076	22	4.07	2.22	0.19	0.1	0.04	1.6	0.1	< .05	11	< .5
411	RP03-07	42538	62.00	64.00	2.00	1.5	55.8	15.1	99	0.2	0.9	18.2	1149	5.14	6.7	1.1	3.6	2.2	286	0.2	0.7	< .1	183	3.02	0.285	17	5.4	0.9	74	0.057	23	4	2.002	0.27	0.1	0.04	2	0.1	< .05	9	< .5
412	RP03-07	42539	64.00	66.00	2.00	0.4	42.1	32.3	126	0.3	1.6	19	1412	4.78	9.3	0.8	4.6	1.6	208	0.2	1.2	< .1	157	6.63	0.317	16	1.8	0.91	41	0.04	21	2.73	0.893	0.32	0.1	0.04	4.4	0.1	< .05	8	< .5
413	RP03-07	42540	66.00	68.00	2.00	0.3	46.3	37	167	0.1	2	21.5	1518	4.95	7.4	0.7	4.3	1.3	181	0.2	1	0.1	157	6.62	0.345	15	2.4	0.97	40	0.052	24	3.06	1.227	0.27	0.2	0.03	6.6	0.1	< .05	9	< .5
414	RP03-07	42541	68.00	70.00	2.00	0.5	43.8	40	151	0.1	2.5	24.9	1726	6.03	8.4	0.7	4.3	1.3	189	0.2	2.1	< .1	205	6.08	0.362	17	2.2	1.04	52	0.071	21	3.95	1.9	0.26	0.1	0.02	7.6	0.1	< .05	10	< .5
415	RP03-07	42542	70.00	72.00	2.00	0.8	45.1	44.3	113	0.1	1.7	24.3	1461	5.97	8.1	0.8	4.3	1.3	194	0.2	1.5	< .1	209	4.6	0.355	15	2	1.11	56	0.07	23	3.75	2.034	0.18	0.1	0.03	5.5	0.1	< .05	11	< .5
416	RP03-07	42543	72.00	74.00	2.00	0.4	77.6	41.5	124	< .1	1.8	23.4	1727	5.31	11	0.8	3.2	1.3	153	0.1	1.2	< .1	179	5.44	0.356	15	2.4	1.31	57	0.139	19	4.87	3.261	0.17	0.1	0.02	7.8	0.1	< .05	11	0.5
417	RP03-07	42544	74.00	76.00	2.00	0.4	69.6	32.5	147	0.1	1.4	19.6	1654	4.23	9.9	1	4.3	1.5	165	0.2	0.8	< .1	124	5.17	0.305	14	2.4	1.48	37	0.121	18	3.85	2.143	0.16	0.2	0.03	5.8	0.1	< .05	10	< .5
418	RP03-07	42545	76.00	78.00	2.00	0.8	104.3	9.8	78	< .1	1.6	22.2	1238	4.93	11.7	0.7	4.5	1.3	265	0.2	0.5	< .1	184	2.83	0.348	13	3.7	1.16	62	0.111	19	4.26	2.71	0.13	0.1	0.03	3.2	0.1	< .05	11	< .5
419	RP03-07	42546	78.00	80.00	2.00	1.2	158.8	3.8	69	0.1	1.3	23.4	1255	5.46	18.8	0.8	3.6	1.3	313	0.1	0.4	< .1	205	2.55	0.382	14	3	1.09	62	0.112	21	4.08	2.616	0.12	0.1	0.01	2.7	< .1	< .05	10	0.6
420	RP03-07	42547	80.00	82.00	2.00	1.2	182	4.5	77	0.1	0.7	23.7	1324	5.6	17	0.8	5.9	1.6	389	0.1	0.4	< .1	204	2.21	0.398	15	2.2	1.03	71	0.129	21	3.97	2.402	0.12	0.1	0.02	2	< .1	< .05	12	0.5
421	RP03-07	42548	82.00	84.00	2.00	1.6	194.2	4.4	80	0.1	1.2	22.7	1318	5.5	15.6	0.8	4.7	1.6	330	0.2	0.4	< .1	186	2.14	0.368	15	2.3	0.97	77	0.126	21	3.63	2.004	0.13	0.1	0.03	1.5	< .1	< .05	10	< .5
42[illegible]	[illegible]3-07	42549	84.00	86.00	2.00	1.2	95.5	4.4	93	0.1	1.2	24.8	1404	5.87	17.3	0.8	4.1	1.5	336	0.1	0.3	< .1	210	2.52	0.36	15	2.2	1	69	0.22	27	4.29	2.581	0.14	0.1	0.02	1.8	< .1	< .05	12	0.5
42[illegible]	[illegible]3-07	42550	86.00	88.00	2.00	1.7	355.4	4.8	102	0.2	2	27.1	1452	6.15	17.1	0.9	5.4	1.4	530	0.1	0.3	< .1	250	2.83	0.381	14	6.1	1.09	79	0.285	34	4.64	2.477	0.13	0.1	0.02	1.5	< .1	< .05	14	0.5
424	RP03-07	42551	88.00	90.00	2.00	2	225.7	4.3	90	0.1	1	23.5	1304	5.79	20.1	1	6.4	1.6	530	0.1	0.2	< .1	213	2.17	0.37	14	4.1	0.95	75	0.219	29	4.15	2.271	0.12	0.1	0.02	1.2	< .1	< .05	12	< .5
425	RP03-07	42552	90.00	92.00	2.00	1.5	375.4	4.5	81	0.1	1.5	25.4	1539	6.32	14	0.9	7.2	1.6	677	0.1	0.2	< .1	229	3.23	0.405	17	2.5	1.06	80	0.169	226	5.05	2.712	0.1	0.1	0.02	1.7	< .1	< .05	16	0.5
426	RP03-07	42553	92.00	94.00	2.00	1.2	159.9	4.1	78	0.1	1	24	1277	5.49	15.1	0.9	5.7	1.5	496	0.1	0.3	< .1	203	2.68	0.363	15	2.6	0.82	67	0.135	57	4.52	2.663	0.09	0.1	0.01	1.5	< .1	< .05	12	< .5
427	RP03-07	42554	94.00	96.00	2.00	1.1	171.4	8.5	78	0.1	2.1	25.1	1504	5.8	14.3	0.9	3.5	1.5	277	0.1	0.4	< .1	226	3.28	0.424	15	2.3	1.12	65	0.177	23	4.09	2.665	0.09	0.1	0.03	3.2	< .1	< .05	11	< .5
428	RP03-07	42555	96.00	98.00	2.00	0.5	71.6	13.2	87	< .1	1.2	22.5	1485	4.62	34.5	0.9	3.8	1.4	121	0.1	0.6	< .1	150	3.82	0.361	15	2.5	1.28	35	0.213	19	4.92	3.861	0.1	0.2	0.02	4.6	< .1	< .05	11	< .5
429	RP03-07	42556	98.00	100.00	2.00	0.4	84.8	11.3	78	< .1	1.3	23.1	1417	4.88	35.6	0.9	3.8	1.5	129	0.1	0.7	< .1	179	2.58	0.378	16	3	1.38	43	0.223	23	4.72	3.427	0.17	0.2	0.01	3.7	< .1	< .05	11	0.5
430	RP03-07	42557	100.00	102.00	2.00	0.5	79.3	10.3	88	< .1	1.2	23.1	1468	5.14	33.5	1	5.2	1.7	128	< .1	0.7	< .1	197	2.87	0.326	16	2.3	1.55	46	0.213	28	4.95	3.315	0.18	0.2	0.01	3.5	< .1	< .05	13	< .5

RIM PROPERTY
CORE GEOCHEMICAL DATA

	Drillhole No.	Sample No.	From(m)	To(m)	Length	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)
431	RP03-07	42558	102.00	104.00	2.00	0.4	59.3	13.8	86	< .1	2.1	26	1353	5.34	33.4	0.9	3	1.4	124	0.1	0.7	< .1	206	3.02	0.36	16	3.1	1.45	45	0.206	28	4.89	3.598	0.14	0.2	0.03	4	< .1	< .05	12	< .5
432	RP03-07	42559	104.00	106.00	2.00	0.5	43.6	24.7	95	0.2	1.6	26.6	1613	5.65	27.9	0.9	4.5	1.5	130	0.3	0.8	< .1	222	3.93	0.344	16	2.8	1.7	46	0.215	33	5.09	3.816	0.11	0.2	0.03	5.4	< .1	< .05	13	0.5
433	RP03-07	42560	106.00	108.00	2.00	0.6	30	46.1	132	0.2	2	31	1700	6.57	32.3	0.7	4.5	1.6	152	0.2	0.9	0.1	236	4.45	0.369	17	3	1.81	37	0.225	21	5.73	4.332	0.07	0.3	0.02	5.7	< .1	< .05	17	< .5
434	RP03-07	42561	108.00	110.00	2.00	0.4	33.8	28.7	106	0.3	1.2	24.1	1362	4.98	28.2	0.7	2.3	1.6	133	0.1	0.6	0.1	177	5.26	0.311	16	1.3	1.15	33	0.175	15	5.35	4.022	0.06	0.2	0.03	6.4	< .1	< .05	12	< .5
435	RP03-07	42562	110.00	112.00	2.00	0.6	22.8	49.8	103	0.2	1.1	24.4	1356	5.2	45.8	0.7	3.7	1.7	141	0.1	0.9	0.6	184	5.07	0.342	17	1.4	1.22	44	0.156	14	5.66	4.589	0.08	0.2	0.03	5.1	0.1	< .05	13	< .5
436	RP03-07	42563	112.00	114.00	2.00	1.2	14.6	147.9	174	< .1	1.8	32.2	1834	7.13	72	0.6	7	2	220	0.2	2	0.1	261	4.42	0.398	20	2.4	1.63	56	0.23	43	6.35	4.843	0.29	0.3	0.04	5.9	0.2	< .05	16	0.8
437	RP03-07	42564	114.00	116.00	2.00	0.7	41.9	110.2	361	0.4	1.8	31.6	1912	6.21	44.3	0.6	7.6	1.8	152	0.2	1.2	< .1	216	4.01	0.343	17	2	1.86	44	0.279	23	5.75	4.324	0.11	0.3	0.05	5.9	< .1	< .05	15	0.6
438	RP03-07	42565	116.00	118.00	2.00	0.6	49.3	72.8	334	0.5	0.8	24.8	1786	4.28	28	0.7	6.7	2	132	0.2	0.9	0.1	147	4.45	0.318	14	1.6	1.65	39	0.147	19	6.01	3.545	0.06	0.2	0.07	5	0.1	0.08	13	< .5
439	RP03-07	42566	118.00	120.00	2.00	0.6	47.4	74.8	477	0.2	1	22.6	2018	4.66	19.4	0.6	3.6	1.7	145	0.1	0.7	< .1	156	6.07	0.301	14	1.3	1.53	37	0.125	14	6.04	3.433	0.05	0.2	0.05	5.5	0.1	< .05	11	< .5
440	RP03-07	42567	120.00	122.00	2.00	0.4	39.7	69.2	383	0.1	0.2	17.2	1627	3.32	26.9	0.4	1.5	1.9	195	0.2	0.6	< .1	150	6.16	0.307	15	1.1	0.92	30	0.054	16	4.2	2.747	0.05	0.3	0.02	6.5	0.1	< .05	7	< .5
441	RP03-07	42568	122.00	124.00	2.00	1	113.7	60.3	233	0.4	< .1	20.9	1939	4.6	16.4	0.8	4.6	2.1	415	0.1	0.6	< .1	224	4.26	0.338	16	1.1	1.02	64	0.119	25	5.91	3.438	0.05	0.1	0.06	3.5	0.1	< .05	13	< .5
442	RP03-07	42569	124.00	126.00	2.00	1.4	88.2	27.8	153	0.6	0.9	25.5	1584	5.58	8.6	1	7.1	2.1	489	0.1	0.3	< .1	234	2.58	0.351	15	1.7	1.04	64	0.313	172	6.48	3.698	0.05	0.2	0.1	2	0.1	< .05	17	< .5
443	RP03-07	42570	126.00	128.00	2.00	1.4	396.9	6.5	120	0.2	0.2	27.1	1629	5.59	13.1	1.1	7.6	2.4	692	0.2	0.2	< .1	232	2.47	0.388	16	1.1	0.83	69	0.358	47	6.5	3.234	0.05	0.1	0.04	1.1	< .1	< .05	16	< .5
444	RP03-07	42571	128.00	130.00	2.00	1.1	332.4	6.3	120	0.1	0.3	23.9	1678	5.74	12.5	1.3	6.8	2.5	485	0.2	0.2	< .1	246	2.14	0.374	15	1.8	1.08	80	0.36	35	6.41	3.424	0.07	0.1	0.02	1.2	0.1	< .05	16	< .5
445	RP03-07	42572	130.00	132.00	2.00	1.3	163.5	11.2	128	0.3	0.7	27.5	1715	5.81	13.4	1.1	8.1	2.2	327	0.2	0.4	< .1	267	2.58	0.37	15	1.1	1.25	91	0.303	29	6.31	3.524	0.1	0.1	0.15	1.7	0.2	< .05	15	< .5
446	RP03-07	42573	132.00	134.00	2.00	1.2	89.5	8.2	105	0.2	0.5	21.6	1672	5.21	10.2	1.2	4.4	2.4	236	0.2	0.4	< .1	210	2.56	0.288	17	2.4	1.26	90	0.261	25	5.7	3.07	0.22	0.2	0.06	1.7	0.1	< .05	13	< .5
447	RP03-07	42574	134.00	136.00	2.00	0.9	85.7	7.8	96	0.1	85.8	26.7	1408	5.09	12.6	0.8	1.4	2.5	232	0.1	0.3	0.1	207	1.75	0.231	15	17.9	2.5	200	0.205	136	4.77	1.986	0.47	0.1	0.06	3.3	0.2	< .05	15	0.7
448	RP03-07	42575	136.00	138.00	2.00	0.9	77.2	4.4	69	0.1	322.7	35.3	797	4.6	3.4	1	0.7	3.6	404	0.1	0.1	0.1	168	1.1	0.153	9	66.3	4.4	528	0.282	16	2.66	0.401	0.71	0.5	0.03	3.2	0.3	< .05	8	< .5
449	RP03-07	42576	138.00	140.00	2.00	1	158.9	6.1	97	0.1	104.5	26	1223	4.89	6	0.9	4.4	2.6	231	0.1	0.2	< .1	179	1.5	0.232	14	19.9	2.39	231	0.17	12	3.89	1.568	0.53	0.1	0.03	2.7	0.1	< .05	12	< .5
450	RP03-07	42577	140.00	142.00	2.00	0.7	83.4	11.2	108	0.1	1.4	23	1633	5.38	24.3	0.7	8	2.2	158	0.1	0.6	< .1	211	2.29	0.265	17	3.5	1.62	55	0.21	24	6.36	3.778	0.16	0.2	< .01	2.3	0.1	< .05	12	< .5
451	RP03-07	42578	142.00	144.00	2.00	0.6	1810.5	16.6	103	0.4	2.2	21.3	1825	5.33	30.1	0.7	3.3	2.1	129	0.2	0.7	< .1	224	4.8	0.215	17	3.9	1.22	58	0.216	25	6.52	4.019	0.14	0.2	0.06	3.3	0.1	< .05	13	0.5
452	RP03-07	42579	144.00	146.00	2.00	0.9	46.4	12.9	117	0.1	3.8	21.2	1630	4.98	13.5	0.7	3.6	2	100	0.3	0.7	< .1	176	2.7	0.212	17	5.4	0.8	52	0.244	17	5.16	3.481	0.08	0.2	0.01	2.6	< .1	< .05	12	< .5
453	RP03-07	42580	146.00	148.00	2.00	1.3	93.3	11.8	132	0.1	1.8	18.3	2020	4.47	8.9	0.6	1.7	1.8	92	0.1	0.4	< .1	158	1.75	0.2	15	3.2	1.08	36	0.32	17	4.18	2.379	0.09	0.2	0.03	1.7	< .1	< .05	11	< .5
454	RP03-07	42581	148.00	150.00	2.00	0.8	52.8	38.7	188	0.1	1.1	19.6	2248	4.75	18.1	0.8	2.9	1.7	107	0.2	1	< .1	169	3.46	0.204	17	4	1.4	35	0.277	14	6.05	3.501	0.08	0.2	0.02	3.5	< .1	< .05	14	< .5
455	RP03-07	42582	150.00	152.00	2.00	0.5	365.9	42	124	0.1	1.9	20.4	2420	5.01	18.7	0.9	5.3	1.9	95	0.1	1.3	< .1	177	3.83	0.202	18	6.2	1.49	36	0.256	16	6.08	3.709	0.08	0.3	0.02	4.9	< .1	< .05	13	< .5
456	RP03-07	42583	152.00	154.00	2.00	0.3	1130.4	67.2	165	0.2	1.9	15.2	1300	4.38	26.8	0.9	5.5	1.7	97	0.2	1.1	< .1	151	7.92	0.183	17	6.3	1.12	28	0.092	12	5.38	3.637	0.06	0.4	0.02	3.2	< .1	< .05	8	< .5
457	RP03-07	42584	154.00	156.00	2.00	0.4	45.1	47	181	0.1	1.7	17.8	1744	4.38	15.2	0.6	2	1.9	113	0.2	1	< .1	147	4.52	0.2	17	7.5	1.24	27	0.181	14	5.33	3.393	0.08	0.2	0.01	4.6	< .1	< .05	10	< .5
458	RP03-07	42585	156.00	157.89	1.89	0.6	56.7	38.2	175	0.1	1.3	19.2	2092	4.83	12.8	0.7	2.7	1.9	114	0.1	1.1	< .1	174	3.46	0.221	18	4.3	1.26	31	0.269	15	5.74	3.961	0.08	0.3	0.02	4	< .1	< .05	12	< .5

ACME ANALYTICAL 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

Crest Geological Consulting PROJECT 195 File # A300058 Page 1

2197 Park Crescent, Coquitlam BC V3J 6T1 Submitted by: Craig Payne

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
SI	.1	2.3	.4	<1	<.1	.4	<.1	5	.05	<.5	<.1	<.5	<.1	4	<.1	<.1	<.1	10	.17	<.001	<1	1.2	<.01	5	<.001	3	.01	.694	.01	.4	<.01	.1	<.1	.19	<1
13101	.9	56.8	4.6	71	<.1	20.4	26.5	1030	5.30	3.3	.6	1.4	1.5	165	<.1	<.1	<.1	249	2.36	.287	13	41.5	2.47	46	.194	13	3.53	2.087	.20	.6	.02	8.4	<.1	.10	10
13102	.9	78.8	4.3	78	.1	18.4	25.9	1087	5.77	3.6	.6	.5	1.6	153	<.1	<.1	<.1	257	2.23	.248	14	38.9	2.42	32	.190	12	3.97	2.512	.11	.2	.03	9.1	<.1	<.05	12
13103	.8	76.0	4.6	65	.2	16.6	25.5	1012	5.59	3.1	.8	1.3	1.9	141	.1	<.1	<.1	260	2.69	.260	13	35.4	2.21	34	.181	16	3.56	2.109	.15	.6	.03	7.9	<.1	<.05	9
13104	1.0	65.9	4.9	67	.1	19.4	24.8	1026	5.26	2.8	.8	3.5	1.9	182	.1	<.1	<.1	237	2.47	.272	14	34.1	2.27	41	.175	17	3.49	2.048	.17	.3	.02	7.7	<.1	<.05	11
13105	1.3	59.1	4.9	75	.2	20.1	28.4	1143	5.59	3.3	.8	3.4	1.9	178	<.1	<.1	<.1	234	2.83	.263	14	35.6	2.39	36	.192	13	3.74	2.124	.16	.4	.04	8.7	<.1	<.05	11
13106	.9	41.8	5.0	68	.1	19.0	25.8	1094	5.13	3.7	.8	2.0	1.8	184	.1	<.1	<.1	232	3.37	.263	14	34.0	2.16	42	.178	14	3.68	2.171	.15	.3	.01	7.9	<.1	<.05	12
13107	1.6	106.0	6.7	86	.1	23.8	29.8	1147	6.19	7.6	.9	2.4	2.1	212	.1	<.1	<.1	245	3.50	.319	15	53.5	2.70	44	.209	9	3.85	2.023	.22	.5	.03	10.0	<.1	<.05	12
13108	1.2	56.5	5.4	86	.1	22.4	27.2	1113	5.62	5.7	.9	2.8	2.2	182	<.1	<.1	<.1	230	2.51	.298	16	42.4	2.36	43	.189	14	3.94	2.340	.16	.4	.02	8.0	<.1	<.05	11
13109	.8	46.0	4.8	67	.1	46.9	26.8	968	5.08	5.1	.8	2.1	2.0	176	<.1	<.1	<.1	212	2.64	.258	13	39.8	2.14	81	.181	12	3.54	2.060	.16	.5	.01	6.7	<.1	<.05	9
13110	1.3	110.7	4.2	82	.1	24.3	29.2	1166	5.52	7.7	.8	5.9	2.0	184	.1	<.1	<.1	239	2.30	.265	14	55.0	2.40	38	.192	15	3.86	2.007	.16	.4	<.01	7.2	<.1	<.05	12
13111	1.0	52.6	5.3	76	.1	21.6	27.3	1008	5.75	8.1	.9	3.3	2.1	161	.1	<.1	<.1	246	2.71	.288	15	45.2	2.49	35	.194	14	3.83	2.127	.15	.2	.01	9.1	<.1	<.05	12
13112	.9	39.2	4.9	77	<.1	20.4	27.0	1076	5.25	8.2	.9	3.5	2.2	160	<.1	<.1	<.1	228	3.33	.267	14	43.1	2.20	29	.197	15	3.32	1.911	.17	.5	.02	9.4	<.1	<.05	10
13113	1.2	215.0	5.0	73	.1	21.7	27.7	1278	5.47	8.3	.9	2.9	2.2	172	<.1	<.1	<.1	242	4.15	.281	16	41.7	1.77	33	.195	10	3.90	2.401	.10	.2	.02	8.9	<.1	<.05	11
13114	1.3	335.8	5.5	78	.2	21.1	26.4	1264	5.68	9.3	.9	2.5	2.2	162	.1	<.1	<.1	244	3.76	.258	16	46.6	1.72	31	.191	10	3.41	2.056	.12	.4	.03	10.3	<.1	<.05	10
13115	1.4	342.6	5.0	71	.1	19.9	25.7	1054	5.57	9.2	1.0	2.9	2.2	164	<.1	<.1	<.1	235	3.80	.267	15	42.3	1.70	26	.159	12	3.44	1.991	.11	.2	.02	9.3	<.1	<.05	9
13116	1.2	316.5	4.5	83	.1	26.6	29.4	1017	6.23	10.2	.8	3.7	2.0	202	<.1	<.1	<.1	274	3.88	.288	16	53.0	2.14	24	.108	12	3.62	1.887	.09	.2	.01	11.6	<.1	<.05	12
13117	1.0	436.0	4.6	59	.1	43.1	28.5	1507	4.86	9.2	.6	3.4	1.3	243	.2	<.1	<.1	219	8.85	.194	10	69.7	2.03	16	.119	11	2.40	.525	.08	.2	.03	13.3	<.1	.17	10
13118	1.0	121.1	6.3	55	<.1	56.8	29.7	1030	5.28	13.1	.5	2.8	.9	168	<.1	<.1	<.1	164	4.94	.162	8	84.4	1.82	31	.164	14	2.53	1.157	.21	.2	.01	9.8	<.1	.07	6
13119	.7	14.9	3.4	56	<.1	88.4	35.1	977	4.77	7.0	.4	4.2	.6	248	<.1	<.1	<.1	213	4.24	.160	6	72.2	2.80	44	.140	19	2.43	.969	.22	.2	.01	7.2	<.1	.06	6
13120	.6	9.1	2.5	55	<.1	97.9	35.6	973	4.85	3.2	.3	4.5	.6	270	<.1	<.1	<.1	214	3.94	.154	5	115.9	3.46	51	.117	19	2.38	1.046	.15	.2	.02	6.0	<.1	<.05	7
RE 13120	.7	10.0	2.6	58	<.1	97.0	36.4	958	4.94	2.8	.3	3.4	.6	255	<.1	<.1	<.1	206	4.19	.147	5	112.1	3.24	50	.116	15	2.26	.963	.15	.2	.02	5.6	<.1	<.05	6
RRE 13120	.8	8.2	2.5	52	<.1	93.1	33.1	924	4.62	3.0	.3	4.6	.6	238	<.1	<.1	<.1	226	3.93	.145	5	108.4	3.13	52	.111	16	2.23	.980	.13	.2	.01	5.6	<.1	<.05	6
13121	1.2	21.5	5.7	60	<.1	61.2	30.9	1058	5.17	2.1	.5	4.2	.8	167	<.1	<.1	<.1	289	3.90	.162	8	97.1	3.42	30	.190	22	2.60	1.078	.27	.2	.01	10.6	<.1	<.05	9
13122	.9	19.2	5.2	62	<.1	66.5	33.6	914	5.67	2.0	.4	5.5	.8	140	<.1	<.1	<.1	268	2.57	.174	7	67.5	3.20	30	.189	21	2.11	.844	.07	.2	.03	9.0	<.1	<.05	8
13123	.9	28.9	4.9	60	<.1	53.9	28.4	796	4.65	2.1	.5	2.1	.8	125	<.1	<.1	<.1	229	2.58	.182	7	62.4	2.89	27	.175	12	1.82	.563	.06	.4	.01	7.7	<.1	<.05	8
13124	1.4	45.6	8.0	81	<.1	62.9	36.7	1002	6.23	1.8	.6	6.8	1.0	186	<.1	<.1	<.1	251	5.50	.220	9	166.8	2.59	34	.228	18	3.98	2.222	.36	.1	<.01	10.8	<.1	<.05	10
13125	1.5	44.9	6.6	74	<.1	43.9	30.3	1152	5.48	1.1	.6	4.6	1.1	164	<.1	<.1	<.1	251	3.36	.200	9	82.6	2.96	23	.230	24	3.60	1.972	.33	.2	.02	9.1	<.1	<.05	9
13126	.9	46.4	7.6	68	<.1	40.0	27.1	888	4.98	2.3	.6	2.8	1.1	117	<.1	<.1	<.1	208	2.74	.201	9	46.3	2.47	28	.226	15	2.72	1.590	.13	.2	<.01	8.2	<.1	<.05	9
13127	.5	31.5	6.2	57	<.1	41.5	27.8	751	4.51	2.1	.5	8.7	1.0	102	<.1	<.1	<.1	184	3.33	.181	8	47.2	1.61	25	.198	9	2.40	1.389	.09	.2	.01	5.6	<.1	<.05	7
13128	.9	41.6	6.6	72	<.1	48.4	28.9	1242	5.07	2.2	.5	1.4	1.1	171	<.1	<.1	<.1	278	2.76	.206	9	47.2	1.74	35	.198	15	3.20	1.973	.09	.4	.01	5.6	<.1	<.05	9
13129	.9	60.0	6.5	72	<.1	44.8	28.2	1000	4.89	2.2	.7	2.9	1.1	95	<.1	<.1	<.1	239	3.35	.201	8	27.4	2.09	26	.223	15	3.33	1.994	.10	.2	<.01	6.5	<.1	<.05	10
13129A	1.0	75.6	5.8	73	<.1	47.7	26.8	1067	4.96	2.5	.6	1.5	1.1	106	<.1	<.1	<.1	258	3.40	.179	8	31.1	2.13	25	.208	16	2.93	1.849	.09	.3	.01	5.9	<.1	<.05	10
13130	1.5	79.7	6.7	71	<.1	54.0	30.9	923	5.38	1.8	.6	3.3	1.0	135	<.1	<.1	<.1	222	4.35	.183	8	109.2	2.10	26	.238	26	3.42	2.054	.24	.4	<.01	7.6	<.1	<.05	9
13131	1.0	25.6	5.1	66	<.1	64.1	35.2	1125	4.94	1.5	.4	2.9	.7	121	<.1	<.1	<.1	238	3.86	.146	6	93.5	2.73	24	.201	21	2.37	1.142	.10	.7	.02	6.1	<.1	<.05	9
STANDARD DS4	6.6	121.5	29.8	154	.4	34.5	11.8	830	3.21	23.6	6.3	26.2	3.5	28	5.9	4.7	5.2	73	.57	.089	17	164.3	.59	144	.087	1	1.72	.031	.16	4.1	.28	3.7	1.1	<.05	6

GROUP 1DA - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 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: CORE R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JAN 9 2003 DATE REPORT MAILED: Jan 20/2003 SIGNED BY .....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data L 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
13132	.8	48.1	4.9	60	<.1	55.7	28.7	862	4.66	1.0	.4	3.7	.6	125	<.1	<.1	<.1	228	3.37	.140	6	81.7	2.14	19	.192	22	2.88	1.370	.19	.4	<.01	6.2	<.1	.14	8
13133	.9	36.9	3.7	65	<.1	56.9	32.6	945	4.72	1.0	.3	5.2	.5	142	<.1	<.1	<.1	223	2.86	.113	5	50.8	2.00	20	.175	24	2.58	1.395	.15	.7	<.01	4.7	<.1	.10	7
13134	.9	79.6	5.9	63	<.1	48.6	25.8	847	4.48	.7	.4	6.6	.7	123	<.1	<.1	<.1	199	2.36	.155	7	33.2	2.30	19	.204	21	2.98	1.573	.17	.2	<.01	5.6	<.1	.07	9
13135	.8	77.0	6.7	59	<.1	39.8	23.7	1026	4.14	1.5	.3	2.5	.7	132	<.1	<.1	<.1	173	2.77	.166	7	31.2	1.79	27	.187	13	2.83	1.696	.09	.7	<.01	4.9	<.1	<.05	8
13136	.7	69.4	5.6	65	<.1	48.9	28.4	1025	4.68	1.0	.4	2.0	.8	180	<.1	<.1	<.1	222	2.91	.181	7	80.9	1.77	30	.202	27	3.70	2.179	.24	.2	<.01	5.2	<.1	<.05	8
13137	.9	117.8	5.8	57	<.1	45.1	22.6	814	4.74	1.3	.4	4.1	.9	126	<.1	<.1	<.1	238	3.45	.160	8	33.7	1.73	17	.197	19	3.08	1.718	.19	.5	<.01	4.9	<.1	<.05	8
13138	.8	57.7	3.4	56	<.1	51.2	25.0	1110	4.46	.7	.3	2.6	.7	290	<.1	<.1	<.1	213	2.07	.164	7	25.4	1.82	37	.175	19	2.90	1.438	.05	.3	<.01	2.4	<.1	<.05	8
13139	.8	104.3	5.2	62	<.1	45.0	25.3	804	4.16	1.1	.5	4.6	.8	107	<.1	<.1	<.1	200	3.30	.155	7	46.0	1.78	15	.190	41	2.88	1.579	.20	.5	<.01	5.3	<.1	<.05	8
13140	.9	112.5	5.4	59	<.1	41.4	30.3	1009	4.72	.9	.4	3.5	.7	138	<.1	<.1	<.1	235	3.11	.156	7	84.7	1.65	19	.196	30	3.54	2.058	.39	.2	<.01	6.9	<.1	<.05	9
13141	.9	158.0	4.6	59	<.1	27.5	27.4	902	4.70	.6	.3	1.8	.7	102	<.1	<.1	<.1	270	2.06	.130	7	47.0	1.49	16	.192	21	3.17	1.960	.13	.7	.01	5.3	<.1	<.05	8
13142	1.0	70.7	4.7	75	<.1	40.1	27.3	1146	5.02	.7	.3	3.0	.7	103	<.1	<.1	<.1	230	1.99	.153	7	63.5	1.93	18	.197	27	3.57	2.047	.12	.2	<.01	5.0	<.1	<.05	9
13143	1.0	174.2	4.6	67	<.1	35.9	29.2	1084	4.91	1.0	.3	2.5	.7	226	<.1	<.1	<.1	236	2.05	.130	6	60.4	1.73	18	.194	117	3.26	1.814	.09	.8	<.01	4.5	<.1	<.05	8
13144	.8	61.6	4.7	57	<.1	32.8	23.6	968	4.57	<.5	.3	1.5	.5	125	<.1	<.1	<.1	220	2.25	.118	6	60.4	1.48	19	.177	41	3.03	1.854	.06	.4	<.01	4.9	<.1	<.05	7
13145	.6	200.3	4.3	63	<.1	31.4	24.2	891	4.66	.7	.3	2.8	.6	102	<.1	<.1	<.1	242	1.93	.121	6	57.3	1.45	15	.174	31	3.23	2.176	.06	.7	<.01	5.1	<.1	<.05	8
13146	1.2	123.9	6.3	64	<.1	41.7	28.0	1297	5.20	1.1	.3	4.8	.7	130	<.1	<.1	.1	258	1.98	.140	6	43.0	2.01	18	.196	27	3.49	1.899	.15	.4	<.01	5.7	<.1	<.05	9
13147	.6	44.8	5.2	62	<.1	55.1	28.5	1255	4.82	1.4	.3	29.6	.7	108	<.1	<.1	.1	197	1.60	.146	6	30.0	2.19	19	.186	13	3.06	1.754	.09	.2	.01	6.0	<.1	<.05	9
13148	.7	55.4	4.0	59	<.1	56.5	27.9	1107	4.22	1.5	.3	5.1	.6	181	<.1	<.1	<.1	192	2.40	.141	6	29.3	1.88	25	.165	52	2.69	1.480	.05	.7	.01	4.1	<.1	<.05	7
13149	.8	138.8	1.5	63	<.1	61.0	31.4	1380	5.09	1.0	.3	3.7	.6	356	<.1	<.1	<.1	245	2.10	.137	5	29.0	2.20	58	.191	11	2.78	.847	.05	.2	<.01	2.5	<.1	<.05	7
13150	1.0	52.5	4.4	58	<.1	37.4	27.1	1586	4.74	.7	.4	2.1	.7	228	<.1	<.1	<.1	229	2.41	.159	7	65.5	1.75	18	.191	24	2.88	1.517	.06	.7	<.01	4.5	<.1	<.05	8
RE 13150	1.0	51.9	4.4	58	<.1	31.0	24.7	1500	4.54	.7	.3	2.6	.7	223	<.1	<.1	<.1	222	2.24	.150	6	61.0	1.66	15	.179	24	2.74	1.350	.05	.7	<.01	3.9	<.1	<.05	7
RRE 13150	1.2	52.4	4.2	54	<.1	34.0	26.0	1493	4.65	<.5	.4	1.3	.7	248	<.1	<.1	<.1	223	2.16	.158	7	63.2	1.69	15	.180	48	2.89	1.426	.05	.8	<.01	4.0	<.1	<.05	8
13151	.9	283.5	4.4	58	.1	30.3	24.0	1262	4.85	<.5	.4	2.2	.8	478	<.1	<.1	<.1	272	2.26	.165	6	72.2	1.44	17	.175	13	2.42	.839	.05	.3	.01	3.5	<.1	<.05	7
13152	1.4	49.2	5.1	64	<.1	47.2	33.3	2749	5.13	.7	.4	.9	.9	210	<.1	<.1	<.1	279	2.17	.166	7	45.1	1.86	14	.211	19	2.82	1.479	.10	.4	.01	6.4	<.1	<.05	8
13153	1.4	49.6	5.1	65	<.1	61.7	32.3	2863	5.11	1.0	.4	2.3	.8	108	<.1	.2	<.1	224	3.24	.172	7	65.7	2.24	15	.195	14	2.66	1.271	.07	.7	.01	5.9	<.1	<.05	8
13154	1.4	52.7	4.6	58	<.1	67.5	32.1	1895	4.82	.7	.4	.9	.8	108	<.1	<.1	<.1	266	4.16	.174	7	115.4	2.33	12	.192	16	2.32	1.084	.06	.5	<.01	5.0	<.1	<.05	7
13155	1.6	145.2	5.0	63	<.1	66.7	34.8	2415	5.15	1.1	.4	.6	.8	131	<.1	<.1	<.1	232	2.32	.178	7	142.3	2.26	13	.202	18	2.33	1.009	.07	.9	<.01	5.0	<.1	<.05	8
13156	1.1	133.3	4.5	55	<.1	60.0	32.1	1479	4.63	1.1	.3	2.7	.8	131	<.1	<.1	<.1	259	3.36	.159	7	104.4	2.03	14	.186	16	2.44	1.160	.07	.3	<.01	4.8	<.1	<.05	7
13157	1.1	49.3	4.3	51	<.1	65.4	29.5	1203	4.51	.9	.3	1.1	.7	98	<.1	<.1	<.1	228	3.65	.151	6	115.2	2.31	13	.173	15	2.33	1.125	.05	.4	<.01	4.9	<.1	<.05	6
13158	1.0	37.9	4.1	53	<.1	70.2	29.7	1698	4.53	.8	.3	2.9	.7	95	<.1	<.1	<.1	256	4.90	.152	6	123.4	2.30	14	.169	20	2.70	1.451	.06	.8	<.01	5.3	<.1	.07	7
13159	1.2	61.6	5.0	63	<.1	66.1	32.4	1471	5.05	.7	.4	1.6	.8	153	<.1	<.1	<.1	258	3.02	.184	7	50.7	2.62	16	.211	28	3.17	1.618	.11	.3	<.01	6.2	<.1	<.05	8
13160	1.0	143.1	5.8	62	<.1	46.3	27.1	1165	4.91	.8	.4	2.9	1.0	195	<.1	<.1	<.1	258	2.30	.189	8	33.4	1.96	19	.212	41	3.66	2.135	.07	.3	<.01	4.3	<.1	<.05	9
13161	1.1	67.3	5.6	54	<.1	69.1	32.0	971	4.71	1.0	.4	2.5	.8	136	<.1	<.1	<.1	226	3.50	.151	7	67.2	2.36	21	.189	22	2.81	1.372	.13	.7	<.01	4.5	<.1	<.05	8
13162	.6	62.9	3.4	55	<.1	91.8	35.0	1050	4.53	.6	.3	2.2	.7	147	<.1	<.1	<.1	184	3.61	.141	6	88.5	2.91	26	.159	11	1.78	.591	.05	.3	<.01	4.1	<.1	<.05	7
13163	1.1	31.8	4.5	57	<.1	73.8	34.0	1075	5.35	1.3	.4	3.5	.8	199	<.1	<.1	<.1	231	3.38	.150	6	90.7	2.35	29	.171	19	3.15	1.649	.13	.3	<.01	4.5	<.1	<.05	8
STANDARD DS4	6.5	124.2	30.0	152	.3	32.0	11.3	759	3.00	22.8	6.0	26.8	3.5	28	5.0	4.5	4.9	77	.51	.083	16	157.5	.56	141	.085	1	1.71	.030	.15	4.2	.28	3.5	1.1	.07	6

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

Data A FA ___

ACME ANALYTICAL

Crest Geological Consulting PROJECT 195 FILE # A300058 Page 3

ACME ANALYTICAL

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
13164	1.0	21.8	5.8	86	<.1	37.7	27.6	962	5.19	1.5	.4	8.5	.9	105	<.1	.1	<.1	222	2.15	.200	8	41.9	1.55	25	.193	41	3.80	2.756	.12	.3	.01	4.5	<.1	<.05	8
13165	.9	25.6	5.5	69	<.1	31.5	26.7	1165	5.06	1.7	.5	2.4	.9	112	<.1	.1	<.1	207	2.69	.210	8	20.4	1.47	32	.204	19	3.18	2.148	.10	.2	<.01	4.2	<.1	<.05	8
13166	.8	35.9	7.2	76	<.1	34.2	27.4	1059	5.48	2.2	.5	2.4	1.0	151	<.1	.2	<.1	254	2.87	.222	9	27.4	1.59	34	.210	40	4.21	2.628	.07	.3	.01	4.2	<.1	<.05	10
13167	.9	49.2	5.7	76	<.1	38.8	29.2	994	5.28	1.8	.5	2.7	.9	153	<.1	.1	<.1	261	2.40	.199	8	22.9	1.58	27	.201	72	3.92	2.650	.08	.3	<.01	4.6	<.1	<.05	9
13168	1.0	398.7	6.2	77	.1	39.2	30.4	1089	5.46	2.0	.5	2.6	.9	84	<.1	<.1	<.1	269	2.67	.191	8	20.1	2.05	24	.222	12	3.84	2.439	.09	.4	<.01	5.6	<.1	<.05	10
13169	.9	17.1	6.4	72	<.1	74.6	33.0	1196	5.69	1.9	.4	12.0	.9	126	<.1	.1	.1	192	2.88	.182	8	112.2	2.58	27	.212	22	4.10	2.347	.20	.2	<.01	6.7	<.1	<.05	10
13170	1.1	19.4	9.6	78	.1	36.4	26.3	949	5.32	2.0	.5	3.3	.9	124	.1	.2	.1	228	2.50	.204	8	59.0	1.97	27	.228	51	4.14	2.734	.22	.4	.01	6.2	<.1	<.05	9
13171	1.4	15.1	6.5	83	<.1	60.5	36.6	1112	6.38	1.6	.5	2.2	.9	122	<.1	.1	<.1	253	2.95	.193	8	170.5	2.29	25	.258	27	4.06	2.367	.27	.3	<.01	6.6	<.1	<.05	10
13172	1.0	19.1	6.7	71	<.1	60.9	33.0	908	5.45	1.5	.5	5.7	.9	117	<.1	.1	<.1	187	2.16	.199	9	93.2	2.42	27	.220	26	4.45	2.613	.21	.3	<.01	5.6	<.1	<.05	9
13173	.6	54.7	3.3	62	<.1	72.5	29.9	904	4.88	1.1	.3	3.3	.8	166	<.1	.1	<.1	195	3.06	.161	6	45.0	2.02	32	.170	14	2.04	1.023	.05	.2	.01	2.8	<.1	<.05	7
13174	.7	54.0	3.7	57	<.1	75.1	31.3	897	4.65	1.1	.4	3.2	.7	230	<.1	.1	<.1	207	2.20	.161	6	45.5	2.39	34	.158	15	2.53	1.327	.04	.5	<.01	2.8	<.1	<.05	7
13175	.7	68.4	3.9	57	<.1	76.6	32.1	936	5.06	1.7	.4	3.7	.7	165	<.1	.1	<.1	233	2.41	.160	7	50.6	2.56	28	.172	16	2.34	1.279	.04	.3	<.01	3.1	<.1	<.05	7
13176	1.2	61.7	6.2	71	<.1	51.1	28.4	1018	4.88	1.7	.5	3.9	.8	137	<.1	.1	.1	160	3.31	.200	8	84.2	2.04	32	.207	130	4.48	2.945	.22	.4	.01	5.4	<.1	<.05	9
13177	.7	122.3	5.8	58	<.1	34.5	24.8	864	4.47	1.9	.3	1.7	.7	99	<.1	<.1	<.1	206	3.34	.181	7	71.9	1.45	24	.181	12	3.39	2.235	.08	.4	<.01	3.5	<.1	<.05	7
13178	.8	80.9	6.1	62	<.1	39.9	25.7	890	4.73	2.4	.4	1.6	.8	95	<.1	.1	<.1	219	4.20	.189	7	68.8	1.75	23	.200	14	3.32	2.198	.07	.3	<.01	4.1	<.1	<.05	7
13179	1.2	59.2	6.1	65	<.1	68.3	32.1	1044	4.95	1.8	.4	7.1	.8	106	<.1	<.1	<.1	206	2.60	.181	8	33.3	2.31	23	.211	23	3.67	2.113	.15	.3	<.01	4.4	<.1	<.05	9
13180	1.0	40.9	5.4	60	<.1	67.5	27.7	809	4.40	1.6	.4	3.3	.7	88	<.1	.1	<.1	197	4.13	.169	7	18.7	2.18	19	.179	22	3.69	2.103	.08	.5	.01	3.4	<.1	<.05	7
RE 13180	.9	37.3	5.5	60	<.1	61.4	25.9	745	4.16	1.7	.3	2.3	.7	82	<.1	<.1	<.1	187	3.72	.146	7	17.3	1.97	19	.159	15	3.15	1.728	.07	.5	<.01	3.1	<.1	<.05	8
RRE 13180	.8	36.0	5.5	58	<.1	63.3	26.8	718	4.33	1.6	.4	2.1	.7	82	<.1	.1	<.1	181	3.69	.146	6	17.5	1.98	18	.162	16	3.17	1.774	.08	.5	<.01	2.9	<.1	<.05	7
13181	.6	38.6	4.9	56	<.1	68.2	26.3	767	4.13	2.0	.4	2.2	.6	72	<.1	<.1	<.1	184	4.45	.148	6	24.5	1.93	14	.154	30	2.54	1.616	.04	.3	<.01	3.4	<.1	<.05	7
13182	.6	27.1	4.7	58	<.1	74.1	28.1	845	4.24	1.8	.4	1.4	.7	88	<.1	.1	<.1	175	4.21	.151	6	32.2	1.95	18	.155	23	2.62	1.712	.05	.5	<.01	3.6	<.1	<.05	7
13183	.5	62.6	2.8	55	<.1	142.2	38.4	1054	4.42	1.7	.3	1.7	.6	201	<.1	.1	<.1	152	5.07	.129	5	65.5	3.24	33	.116	18	2.42	1.014	.06	.3	.01	4.0	<.1	<.05	6
13184	.6	15.3	3.5	61	<.1	123.8	36.7	1152	4.90	1.6	.3	1.9	.6	213	<.1	<.1	<.1	168	4.47	.123	5	65.6	3.08	37	.140	20	2.74	1.258	.09	.4	<.01	3.4	<.1	<.05	7
13185	.9	18.2	5.7	56	<.1	51.2	25.7	900	4.31	1.6	.4	1.2	.7	94	<.1	.1	<.1	226	4.23	.164	7	22.1	1.84	19	.188	24	3.35	2.004	.07	.6	<.01	2.9	<.1	<.05	7
13186	.7	15.7	7.8	62	<.1	95.2	34.8	923	4.91	1.5	.3	4.9	.7	95	<.1	<.1	.1	210	4.96	.131	7	81.1	2.69	17	.184	25	3.08	1.853	.07	.3	<.01	3.7	<.1	<.05	8
13187	.3	21.6	2.8	55	<.1	129.5	38.9	950	4.42	1.5	.3	1.3	.5	143	<.1	<.1	<.1	160	3.94	.125	5	135.5	2.59	24	.122	14	1.89	.931	.05	.5	.01	3.0	<.1	<.05	6
13188	.4	29.8	2.3	54	<.1	117.1	33.6	894	3.82	1.1	.2	1.6	.5	165	<.1	.1	<.1	160	4.13	.114	4	114.9	3.03	24	.105	10	2.12	1.011	.04	.3	.01	2.5	<.1	<.05	5
13189	.8	9.6	4.4	58	<.1	59.1	28.5	771	4.36	1.8	.3	2.3	.7	104	<.1	<.1	<.1	214	3.92	.149	6	48.8	1.97	23	.170	36	2.98	1.797	.06	.4	.01	3.1	<.1	<.05	7
13190	.9	15.0	6.5	66	<.1	36.4	26.2	995	4.98	1.6	.4	2.8	.8	127	<.1	.1	<.1	242	2.41	.186	8	19.5	1.67	30	.208	22	4.27	2.561	.07	.3	<.01	3.8	<.1	<.05	10
13191	.5	23.6	5.3	62	<.1	31.0	24.1	725	4.26	2.6	.4	<.5	.8	67	<.1	.1	<.1	157	3.07	.190	8	19.8	1.40	21	.169	11	3.34	2.237	.06	.6	.01	3.8	<.1	<.05	9
13192	.6	23.1	6.0	62	<.1	33.7	25.7	977	4.64	2.0	.4	3.6	.8	130	<.1	.1	<.1	230	2.62	.184	8	19.8	1.59	30	.183	36	3.89	2.341	.09	.2	.01	3.7	<.1	<.05	9
13193	.9	29.2	5.3	69	<.1	27.5	25.1	1354	5.28	2.2	.4	2.5	.8	139	<.1	<.1	<.1	222	2.86	.187	7	19.0	1.75	31	.226	14	3.81	2.461	.09	.5	<.01	4.8	<.1	<.05	9
13194	.7	28.5	5.4	64	<.1	29.0	25.9	1159	4.87	1.9	.4	1.7	.7	119	<.1	.1	<.1	252	2.91	.160	7	38.2	1.61	26	.197	14	3.56	2.345	.12	.3	<.01	5.6	<.1	<.05	8
13195	.9	91.8	6.0	71	<.1	42.1	30.6	1230	5.15	1.9	.5	1.6	.7	125	<.1	.1	<.1	201	3.93	.166	7	100.2	1.88	21	.210	16	4.00	2.360	.29	.8	<.01	8.6	<.1	<.05	11
STANDARD DS4	7.0	123.5	30.6	160	.2	35.4	12.5	787	3.39	22.7	6.6	25.7	3.6	28	5.3	4.7	5.2	77	.52	.099	16	164.6	.58	138	.090	1	1.67	.030	.16	4.2	.27	3.5	1.1	<.05	6

Sample type: CORE R150 60C. 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
13196	.6	33.5	3.5	50	<.1	39.6	27.1	895	4.03	1.6	.3	1.1	.6	116	<.1	.1	<.1	141	2.74	.129	5	61.7	1.52	27	.138	10	2.15	1.512	.04	.7	.01	4.8	<.1	<.05	6
13197	.6	58.7	3.3	53	<.1	38.6	25.5	889	3.72	1.3	.2	1.4	.5	132	.1	.1	<.1	144	3.01	.121	5	54.0	1.38	26	.127	9	2.03	1.392	.03	.3	.01	4.3	<.1	<.05	6
13198	.6	49.0	3.4	58	<.1	45.1	26.9	902	4.03	1.3	.3	1.9	.6	117	.1	.1	<.1	189	3.16	.131	5	57.6	1.66	24	.140	40	2.34	1.670	.04	.9	.01	4.6	<.1	<.05	7
13199	.6	70.5	3.7	59	<.1	45.2	27.0	959	4.33	1.4	.3	2.0	.5	110	<.1	<.1	<.1	200	2.47	.124	5	53.8	1.91	25	.167	96	2.23	1.461	.05	.4	.01	5.3	<.1	<.05	8
13200	.8	134.9	4.8	65	<.1	41.0	27.8	955	4.87	1.7	.4	1.4	.7	171	.1	.1	<.1	161	3.54	.158	7	88.9	1.80	43	.175	22	3.62	2.802	.22	.6	.01	5.7	<.1	<.05	9
13201	.9	66.6	5.6	66	<.1	29.3	27.3	783	5.04	1.8	.6	1.4	.8	136	.1	.1	<.1	201	2.50	.173	7	59.3	1.79	41	.198	23	4.14	3.162	.31	.2	<.01	5.6	<.1	<.05	9
13202	.6	43.1	5.4	67	<.1	61.1	29.8	998	5.08	1.6	.7	4.9	.8	196	<.1	<.1	<.1	190	2.53	.177	7	104.0	3.30	42	.172	29	4.31	2.897	.34	.2	<.01	5.7	<.1	<.05	10
13203	.5	24.0	6.2	58	<.1	34.1	27.4	967	5.02	1.1	.7	1.5	.9	244	.1	.1	<.1	185	1.90	.201	8	105.2	3.07	56	.113	31	5.01	3.237	.46	.1	<.01	8.1	<.1	<.05	10
13204	.5	29.5	5.7	67	<.1	49.2	32.7	998	5.26	1.4	.6	3.7	.8	227	.1	<.1	<.1	205	1.89	.186	8	114.6	3.52	51	.147	30	4.88	3.093	.37	.1	<.01	7.1	<.1	<.05	10
13205	.8	201.8	5.5	69	<.1	42.2	27.5	947	4.86	2.4	.4	3.0	.8	115	<.1	.1	<.1	224	2.90	.157	7	30.0	2.17	32	.200	19	3.03	1.916	.12	.3	.01	5.4	<.1	<.05	9
13206	.5	296.0	5.5	54	<.1	43.4	24.2	999	4.27	2.4	.4	1.6	.8	84	.1	.1	<.1	172	4.19	.127	6	34.4	1.47	27	.166	33	2.68	1.782	.06	.4	<.01	5.4	<.1	<.05	8
13207	.5	201.2	5.5	67	<.1	40.8	27.6	984	4.58	2.4	.4	1.5	.8	79	<.1	<.1	<.1	204	2.83	.143	6	36.7	1.61	27	.184	18	2.74	2.002	.07	.2	.01	6.2	<.1	<.05	8
13208	.5	72.9	5.8	62	<.1	40.7	26.3	1014	4.46	2.4	.4	2.4	.8	86	<.1	.1	<.1	205	3.29	.143	6	38.5	1.77	24	.181	21	2.84	1.919	.05	.5	.01	4.9	<.1	<.05	9
13209	.6	66.1	5.3	62	<.1	42.8	26.4	1223	4.68	2.1	.4	2.6	.8	145	<.1	.1	<.1	165	2.93	.136	6	38.0	1.79	37	.176	15	2.86	1.869	.07	.3	<.01	4.0	<.1	<.05	8
13210	.7	39.7	5.7	58	<.1	45.7	27.7	877	4.88	2.3	.5	3.6	.8	131	.1	<.1	<.1	172	3.45	.144	6	90.3	1.85	32	.171	16	3.48	2.331	.18	.4	<.01	4.5	<.1	<.05	8
13211	.7	21.0	5.2	56	<.1	92.7	33.7	841	5.10	2.3	.6	4.9	.8	161	<.1	<.1	<.1	170	3.00	.155	7	225.3	3.06	29	.175	23	3.65	1.918	.35	.2	<.01	5.1	<.1	<.05	8
13212	.5	27.0	4.5	51	<.1	113.9	33.5	949	5.04	1.7	.5	3.2	.8	275	.1	<.1	<.1	179	5.17	.166	7	170.6	3.20	36	.113	21	3.60	1.592	.41	.2	.01	5.6	<.1	<.05	8
13213	.6	26.3	5.8	59	<.1	83.2	34.7	935	4.94	2.1	.5	9.8	.8	198	<.1	.1	<.1	163	2.89	.124	6	107.0	2.96	37	.152	23	3.72	2.048	.27	.1	<.01	5.0	<.1	<.05	8
13214	1.0	38.2	6.5	56	<.1	70.7	30.4	928	4.86	3.0	.6	4.0	.8	133	.1	.1	<.1	182	3.80	.157	7	84.4	2.53	25	.191	22	3.67	2.419	.18	.3	<.01	4.7	<.1	<.05	9
13215	.7	144.9	5.9	57	<.1	63.0	27.4	875	4.68	4.1	.5	3.0	.9	106	.1	.1	<.1	221	4.02	.173	7	53.3	1.94	22	.190	16	2.92	2.023	.06	.3	.01	4.1	<.1	<.05	8
13216	.5	77.9	6.1	52	<.1	66.3	26.5	1010	4.56	3.8	.4	4.3	.8	118	.1	.1	<.1	213	4.39	.149	6	39.7	2.14	25	.190	16	3.09	1.924	.04	.4	<.01	3.9	<.1	<.05	8
13217	.6	86.5	6.0	54	<.1	65.8	28.4	868	4.80	3.8	.4	4.3	.9	115	.1	.1	<.1	224	3.40	.167	7	53.9	2.23	24	.193	16	3.52	2.413	.04	.2	<.01	5.1	<.1	<.05	9
13218	.7	89.9	6.1	59	<.1	66.2	31.4	1075	4.98	3.8	.4	4.1	.9	120	.1	.1	<.1	219	3.79	.160	7	48.5	2.39	23	.204	16	3.54	2.373	.05	.3	<.01	6.0	<.1	<.05	9
13219	.6	205.6	5.6	59	<.1	65.8	28.2	974	4.99	4.4	.5	3.1	.9	106	<.1	.1	<.1	236	4.05	.156	7	47.1	2.56	22	.215	16	2.82	1.599	.08	.3	<.01	8.7	<.1	<.05	9
13220	.7	210.5	6.2	59	<.1	68.2	29.7	1116	5.27	4.0	.4	3.0	.9	125	.1	<.1	<.1	245	5.64	.156	7	42.3	2.42	22	.208	15	3.42	2.074	.08	.4	<.01	7.6	<.1	<.05	9
RE 13220	.7	196.8	6.2	61	<.1	67.0	30.1	1097	5.18	3.7	.5	3.5	.9	120	.1	<.1	<.1	240	5.56	.165	7	41.2	2.39	23	.206	14	3.38	1.947	.08	.3	<.01	7.7	<.1	<.05	10
RRE 13220	.7	211.5	5.9	57	<.1	63.6	28.1	1029	4.98	3.6	.4	3.4	.9	118	.1	<.1	<.1	230	5.19	.154	7	39.2	2.28	21	.200	13	3.16	1.861	.07	.3	<.01	7.4	<.1	<.05	9
13221	1.1	127.2	5.1	70	.1	21.2	30.2	1207	5.55	4.5	.8	2.8	2.1	157	<.1	.1	<.1	226	3.40	.256	14	42.4	2.16	39	.197	15	3.75	2.166	.16	.5	.02	9.1	<.1	<.05	11
13222	1.0	232.7	4.8	78	.1	20.8	29.1	1386	5.60	5.2	.9	2.2	2.5	179	<.1	.1	<.1	247	3.37	.266	16	40.1	2.29	39	.218	16	3.84	2.249	.17	.2	.07	8.4	<.1	<.05	10
13223	1.1	65.8	5.3	80	.1	23.8	31.8	1430	6.11	4.4	.8	1.5	2.1	172	<.1	.1	<.1	261	3.58	.264	14	53.3	2.75	38	.232	17	3.97	2.177	.18	.4	.02	10.8	<.1	<.05	11
13224	1.0	117.1	5.5	71	.1	20.9	31.1	1182	6.08	4.2	.9	3.6	2.1	223	.1	.1	<.1	257	3.29	.260	14	43.4	2.43	49	.211	17	4.28	2.478	.20	.3	.04	9.3	<.1	<.05	10
13225	1.2	560.8	5.3	74	.2	23.2	29.7	1231	5.75	2.4	1.0	3.4	2.5	180	<.1	.1	<.1	254	2.79	.304	15	56.7	2.28	40	.194	18	3.62	2.099	.13	.6	.02	7.7	<.1	<.05	10
13226	1.1	80.6	5.0	71	.1	25.0	29.2	1227	5.45	2.9	.9	2.6	2.2	181	<.1	.1	<.1	230	3.19	.252	14	48.2	2.29	38	.203	16	3.42	1.968	.14	.2	.01	9.4	<.1	<.05	11
13227	1.1	63.2	5.4	73	<.1	22.4	30.7	1164	5.39	5.3	1.0	3.0	2.3	162	<.1	.1	.1	216	2.69	.276	16	43.0	2.34	38	.199	18	3.51	2.097	.24	.4	.04	9.1	<.1	<.05	9
STANDARD DS4	6.8	127.6	30.7	158	.3	35.2	12.4	821	3.25	23.9	6.5	27.7	3.7	30	5.3	4.7	5.2	76	.57	.089	17	161.7	.58	149	.093	1	1.75	.030	.16	4.2	.29	3.7	1.2	.07	6

Sample type: CORE R150 60C. 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
13228	1.3	59.1	5.1	67	<.1	26.6	26.9	965	5.12	2.9	.9	4.3	2.0	165	<.1	.1	<.1	225	2.89	.251	14	41.8	2.28	39	.219	16	3.68	2.084	.14	.4	.01	8.6	<.1	<.05	9
13229	1.0	112.6	4.6	71	.1	71.8	29.6	1073	4.84	2.4	.8	4.7	1.8	178	.1	.1	<.1	205	2.45	.247	13	42.1	2.67	65	.198	13	3.47	1.785	.15	.2	.01	7.9	<.1	.07	9
13230	1.0	77.2	5.1	91	<.1	29.8	31.7	1174	5.41	3.9	.9	8.4	2.0	231	<.1	.1	.1	267	2.91	.247	14	53.7	2.35	43	.230	15	3.73	2.232	.15	.5	.01	9.1	<.1	.06	10
13231	1.1	88.9	4.5	73	.1	35.1	28.6	1026	5.07	3.2	.9	4.6	1.9	181	<.1	.1	.1	221	2.72	.263	14	54.6	2.52	42	.209	17	3.14	1.477	.21	.3	.01	8.3	<.1	<.05	9
13232	1.0	85.5	4.6	67	<.1	28.4	27.6	985	5.09	3.1	.7	4.8	1.7	186	.1	.1	<.1	217	3.05	.263	13	51.1	2.29	41	.204	15	3.53	2.016	.18	.6	.01	7.5	<.1	<.05	9
13233	1.2	57.1	5.1	81	<.1	34.3	29.9	1192	5.59	4.1	.9	2.7	1.9	179	.1	.1	.1	223	3.17	.262	15	56.8	2.67	46	.237	16	3.55	1.676	.22	.3	.01	9.5	<.1	<.05	11
13234	1.2	299.2	4.8	87	.1	31.9	28.5	1052	5.04	3.7	.9	3.8	2.0	194	<.1	.1	<.1	235	2.68	.262	14	40.0	2.32	40	.236	17	3.40	1.701	.15	.4	.01	8.6	<.1	<.05	10
13235	.9	86.5	4.7	69	.1	25.8	27.3	1100	5.00	3.1	.8	4.1	1.9	180	<.1	.1	<.1	210	3.06	.271	14	48.3	2.43	38	.211	13	3.78	2.132	.11	.3	.01	8.7	<.1	<.05	9
13236	1.2	46.4	4.9	76	<.1	23.5	29.2	1018	5.27	3.7	.8	4.0	1.7	165	<.1	.1	.1	218	2.68	.255	14	43.3	2.38	36	.229	12	3.31	1.608	.19	.4	.01	8.9	<.1	<.05	10
13237	1.1	43.7	5.3	73	.1	29.2	29.6	1069	5.73	2.3	.7	4.7	1.7	263	.1	.1	<.1	229	2.91	.267	14	52.4	2.12	43	.200	16	4.10	2.437	.14	.3	.01	7.4	<.1	<.05	10
13238	1.1	135.3	5.7	68	<.1	27.7	27.9	1053	5.50	2.6	.8	4.0	1.9	169	.1	.1	.1	232	2.95	.275	13	53.3	2.39	37	.221	15	3.62	2.089	.16	.4	.01	8.9	<.1	<.05	10
13239	1.0	177.1	4.9	77	.1	22.1	29.3	1043	5.20	2.6	.8	4.7	1.9	169	<.1	.1	<.1	227	2.49	.257	14	41.6	2.41	37	.196	16	3.68	2.289	.13	.3	.01	8.2	<.1	<.05	9
13240	.8	43.4	5.2	66	<.1	30.2	30.8	1047	5.82	2.1	.7	3.6	1.8	183	<.1	.1	<.1	224	2.35	.268	15	50.8	2.61	48	.228	22	3.93	2.078	.32	.3	.02	10.2	<.1	<.05	10
13241	1.0	57.8	4.7	62	<.1	23.8	27.7	946	5.28	2.4	.7	4.1	1.6	185	.1	.1	<.1	226	2.37	.234	13	47.5	2.57	40	.204	23	3.52	2.054	.24	.2	.02	9.5	<.1	<.05	9
13242	1.0	56.3	4.7	69	<.1	27.1	30.8	1201	5.45	3.3	.7	3.0	1.7	213	.1	.1	<.1	214	3.36	.255	13	58.3	2.85	40	.190	15	3.37	1.507	.30	.2	.02	11.7	<.1	<.05	9
13243	.9	120.0	4.7	65	<.1	29.6	29.6	1039	5.65	3.1	.7	3.2	1.6	172	<.1	.1	<.1	246	3.47	.240	13	61.9	2.43	38	.205	16	3.26	1.688	.16	.2	.01	10.2	<.1	<.05	9
13244	1.3	87.1	4.5	65	<.1	25.5	27.7	1220	5.07	1.7	.7	4.0	1.8	175	<.1	.1	<.1	204	2.64	.262	13	55.0	2.78	37	.197	13	3.46	1.671	.13	.4	.01	10.9	<.1	<.05	9
13245	.7	74.5	4.8	59	<.1	24.3	28.7	1281	5.32	3.7	.7	.9	1.9	218	.1	.1	.1	194	4.33	.257	14	57.3	2.57	39	.141	22	3.22	1.286	.42	.1	.01	11.9	<.1	<.05	7
13246	.8	82.9	4.9	66	<.1	26.3	31.9	1267	5.38	3.3	.6	2.3	1.9	256	.1	<.1	.1	198	4.37	.269	14	62.0	2.36	42	.120	20	2.97	1.209	.48	.2	.01	11.7	<.1	<.05	7
13247	1.0	82.0	4.1	60	<.1	28.2	28.1	1033	4.90	1.6	.5	4.7	1.5	159	.1	<.1	<.1	222	3.65	.220	12	72.2	2.00	35	.189	13	3.22	1.806	.15	.2	.01	8.6	<.1	<.05	7
13248	1.1	59.1	2.5	50	<.1	62.3	33.2	1137	4.98	1.0	.5	2.0	1.4	174	.1	<.1	<.1	222	4.69	.229	11	168.0	1.85	28	.133	11	2.36	1.179	.12	.5	<.01	6.5	<.1	<.05	6
13249	1.3	158.1	1.0	52	<.1	76.5	35.3	993	4.35	1.1	.5	2.8	1.3	204	.1	<.1	<.1	191	3.40	.234	10	259.1	2.83	25	.059	14	2.20	.794	.04	.2	.01	3.9	<.1	<.05	6
13250	1.0	1032.4	1.9	50	.1	76.3	33.4	1101	4.50	1.0	.5	2.2	1.1	224	.1	<.1	<.1	182	3.91	.198	8	195.8	2.86	21	.061	15	2.38	.897	.05	.2	.02	7.7	<.1	<.05	7
RE 13250	.8	1028.5	1.7	49	.1	73.1	33.8	1053	4.42	1.0	.5	2.1	1.1	228	.1	<.1	<.1	201	3.87	.203	9	198.2	2.98	24	.064	15	2.43	.889	.05	.2	.02	8.1	<.1	<.05	7
RRE 13250	.9	1121.6	1.9	49	.1	75.8	38.2	1255	4.76	.7	.5	2.2	1.2	230	<.1	<.1	<.1	210	4.42	.213	9	234.6	3.14	22	.065	14	2.48	.869	.06	.3	.01	8.1	<.1	<.05	7
13251	1.0	1032.2	4.4	53	.1	58.4	31.5	1181	5.25	1.8	.4	6.1	.7	186	<.1	<.1	<.1	233	5.66	.131	6	125.0	2.91	23	.131	14	2.83	1.273	.19	.1	.02	12.7	<.1	<.05	8
13252	.8	623.1	3.0	47	<.1	62.6	30.6	1081	4.81	1.2	.3	2.0	.5	201	.1	<.1	<.1	190	4.77	.131	5	158.4	2.38	26	.111	10	2.01	.757	.05	.1	.01	9.2	<.1	<.05	6
13253	.9	336.3	2.5	52	<.1	66.8	29.9	1171	5.02	.9	.4	3.1	.6	225	<.1	<.1	<.1	212	3.21	.142	5	110.4	2.91	33	.148	11	1.91	.458	.05	.4	.01	7.8	<.1	<.05	7
13254	.7	10.5	5.4	46	<.1	55.8	31.0	1047	4.56	1.5	.3	3.9	.5	161	<.1	<.1	<.1	180	4.63	.093	5	66.5	3.00	21	.151	16	2.25	.921	.19	.1	<.01	10.1	<.1	<.05	6
13255	.6	13.4	2.1	43	<.1	60.5	29.1	1041	4.11	1.5	.2	2.1	.4	177	<.1	<.1	<.1	124	3.60	.092	4	47.8	2.69	24	.119	9	1.85	.688	.04	.4	.01	7.3	<.1	<.05	5
13256	.6	26.0	3.8	50	<.1	57.1	32.0	915	4.85	1.4	.4	2.8	.6	221	<.1	<.1	<.1	156	3.99	.135	6	85.3	2.76	37	.154	22	2.90	1.346	.28	.1	<.01	9.2	<.1	<.05	6
13257	.8	13.0	4.7	51	<.1	43.3	28.7	1080	4.71	1.7	.3	6.0	.6	156	<.1	<.1	<.1	192	3.65	.143	6	66.2	3.43	24	.175	16	2.86	1.524	.15	.1	.01	11.8	<.1	<.05	7
13258	1.0	15.1	5.1	48	<.1	44.6	27.7	873	4.84	1.8	.4	2.0	.6	158	<.1	<.1	<.1	202	3.24	.157	7	52.3	3.07	25	.169	19	2.77	1.611	.18	.1	<.01	9.5	<.1	<.05	7
13259	.8	18.8	5.3	54	<.1	46.0	28.0	865	4.89	1.5	.3	1.8	.7	117	<.1	.1	<.1	191	2.07	.151	7	45.1	2.76	23	.186	12	2.64	1.405	.11	.3	.01	10.4	<.1	<.05	8
STANDARD DS4	6.8	129.6	30.8	160	.3	36.2	12.6	791	3.15	23.9	6.4	28.0	3.6	30	5.6	4.9	5.3	73	.53	.083	16	164.5	.57	150	.086	2	1.75	.030	.14	4.1	.27	3.4	1.1	<.05	6

Sample type: CORE R150 60C. 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
13260	.8	24.9	5.0	51	<.1	47.8	24.8	1104	4.52	1.2	.3	<.5	.7	149	<.1	<.1	<.1	208	3.02	.156	6	28.5	2.39	27	.151	19	2.83	1.559	.07	.1	<.01	7.0	<.1	.09	8
13261	.8	18.0	4.4	58	<.1	46.6	25.1	1051	4.38	1.4	.3	1.1	.6	127	.1	.1	<.1	172	2.71	.138	6	23.3	2.47	26	.142	16	2.58	1.105	.08	.1	<.01	6.5	<.1	.07	7
13262	1.1	23.5	4.3	51	<.1	27.7	22.1	913	4.24	.9	.3	2.8	.6	133	<.1	<.1	<.1	168	2.67	.110	5	62.1	1.60	24	.131	24	2.51	1.328	.27	.1	<.01	6.9	<.1	<.05	6
13263	.9	15.4	4.0	55	<.1	24.9	24.5	928	4.50	.7	.3	1.3	.5	153	<.1	<.1	<.1	198	3.08	.118	5	38.5	2.02	21	.139	17	2.67	1.290	.17	.1	<.01	8.1	<.1	.07	7
13264	.9	12.4	4.1	58	<.1	23.8	30.4	960	4.75	.8	.3	<.5	.6	134	<.1	<.1	<.1	195	2.60	.124	5	43.1	1.95	21	.145	17	2.82	1.567	.12	.1	<.01	7.4	<.1	<.05	7
13265	.9	17.3	5.3	63	<.1	40.0	25.2	1175	5.18	.5	.3	3.8	.5	142	<.1	<.1	<.1	197	3.87	.098	5	71.1	2.55	22	.176	28	3.38	1.476	.34	.1	<.01	10.2	<.1	<.05	8
13266	.9	17.5	4.5	58	<.1	34.1	25.0	880	4.74	.9	.3	1.7	.5	112	<.1	<.1	<.1	184	2.20	.120	5	60.4	2.15	20	.137	16	2.78	1.504	.10	.2	.01	7.1	<.1	<.05	7
13267	.6	24.5	3.8	54	<.1	28.7	25.6	953	4.49	.8	.3	<.5	.5	105	<.1	<.1	<.1	198	1.73	.111	5	61.9	2.00	19	.133	13	2.65	1.535	.07	.1	<.01	7.1	<.1	<.05	7
13268	.5	15.0	3.5	52	<.1	29.6	23.5	994	4.34	<.5	.3	<.5	.5	107	<.1	<.1	<.1	173	1.94	.113	5	55.9	1.86	18	.120	9	2.70	1.593	.06	.1	<.01	7.1	<.1	<.05	7
13269	.5	16.3	3.4	53	<.1	30.2	23.5	1147	4.25	.9	.3	<.5	.4	103	<.1	.1	<.1	173	3.86	.111	5	55.0	2.01	17	.130	11	2.91	1.632	.06	.1	<.01	7.7	<.1	<.05	7
13270	.6	32.3	3.6	59	<.1	28.3	25.2	1050	4.48	.6	.3	<.5	.5	95	<.1	<.1	<.1	155	2.50	.110	5	54.0	2.08	15	.151	9	2.71	1.569	.06	.1	.01	7.7	<.1	<.05	7
13271	.7	347.2	3.9	66	<.1	30.8	26.5	1055	4.67	.6	.3	1.8	.5	113	<.1	.1	<.1	194	2.58	.121	6	63.8	2.11	17	.156	12	2.96	1.679	.10	.1	.01	8.6	<.1	<.05	8
13272	1.2	9.5	4.2	61	<.1	33.1	22.0	1092	4.83	.8	.3	1.2	.7	186	<.1	<.1	<.1	177	2.04	.138	6	63.8	2.24	17	.156	16	2.32	1.070	.08	.1	<.01	8.0	<.1	<.05	9
13273	1.0	12.3	4.2	63	<.1	35.5	25.4	1469	4.89	.8	.3	4.1	.6	193	<.1	<.1	<.1	212	3.40	.156	6	61.4	2.24	15	.180	19	2.26	.934	.12	.1	<.01	8.9	<.1	<.05	9
13274	1.5	14.2	4.5	66	<.1	37.8	26.1	2035	5.25	.8	.4	<.5	.7	135	<.1	<.1	<.1	243	3.47	.178	6	54.8	2.43	18	.173	17	2.40	1.067	.09	.2	.01	12.0	<.1	<.05	9
13275	1.2	26.4	4.1	54	<.1	45.9	28.6	2436	4.78	.8	.3	1.3	.6	141	<.1	.1	<.1	146	3.84	.144	6	54.8	2.10	18	.138	16	2.31	1.238	.06	.1	.01	9.5	<.1	<.05	7
13276	1.2	20.4	4.5	63	<.1	54.9	30.9	2088	5.20	1.0	.3	2.7	.7	118	.1	<.1	.1	264	3.79	.157	6	66.4	2.81	16	.171	16	2.41	1.157	.07	.2	.01	9.8	<.1	<.05	9
13277	1.0	20.7	5.7	73	<.1	52.7	29.7	2314	4.75	1.3	.3	1.9	.6	131	.1	.5	.1	204	3.73	.151	6	74.4	2.43	19	.160	14	2.42	1.050	.08	.2	.03	8.1	<.1	<.05	7
13278	1.1	32.2	4.1	58	<.1	64.8	31.8	3965	5.08	.6	.3	1.2	.7	207	<.1	<.1	<.1	174	3.94	.164	6	96.9	2.73	25	.180	21	1.94	.495	.06	.3	.02	10.6	<.1	<.05	8
13279	.7	20.3	3.8	64	<.1	62.6	29.9	2302	4.83	.9	.3	.8	.6	162	.1	.2	<.1	185	4.46	.148	6	87.2	2.82	17	.169	16	2.14	.844	.05	.2	.02	9.3	<.1	<.05	7
13280	.7	21.3	3.7	52	<.1	59.0	28.2	1577	4.62	.8	.3	1.1	.6	120	<.1	<.1	<.1	210	3.09	.151	6	80.9	2.52	15	.140	15	2.33	1.185	.04	.2	<.01	7.6	<.1	<.05	7
RE 13280	.8	23.8	3.9	58	<.1	59.9	30.4	1711	4.83	.8	.3	.6	.7	127	<.1	<.1	<.1	204	3.30	.153	6	85.4	2.66	17	.148	15	2.46	1.217	.04	.2	.01	7.6	<.1	<.05	8
RRE 13280	1.0	25.8	3.7	68	<.1	66.7	35.0	1860	5.38	.9	.3	<.5	.7	134	<.1	<.1	<.1	239	3.74	.182	7	92.3	3.10	17	.164	19	2.71	1.371	.05	.2	<.01	8.8	<.1	<.05	8
13281	.7	24.1	3.7	58	<.1	54.7	28.6	1405	4.71	1.0	.3	<.5	.6	121	<.1	.1	<.1	194	5.38	.158	6	81.8	2.70	15	.163	12	2.09	1.072	.05	.1	.01	9.3	<.1	<.05	7
13282	1.1	16.5	3.8	62	<.1	59.7	28.5	1259	4.52	1.2	.3	.6	.6	131	<.1	<.1	<.1	181	5.56	.150	6	98.2	3.05	15	.165	17	2.16	.879	.05	.2	.01	9.7	<.1	<.05	8
13283	1.3	16.8	4.3	66	<.1	67.6	32.6	1484	5.65	1.5	.3	2.2	.7	143	<.1	<.1	<.1	211	3.00	.159	7	52.4	3.60	16	.189	22	2.74	1.299	.07	.1	.01	12.8	<.1	<.05	10
13284	1.2	26.4	5.8	61	<.1	65.6	34.7	1522	5.58	1.6	.4	2.5	.8	165	<.1	<.1	<.1	186	3.91	.143	6	65.5	3.79	20	.192	23	3.07	1.532	.09	.1	<.01	15.0	<.1	<.05	9
13285	1.1	1131.4	4.6	70	.1	68.2	34.9	1352	5.73	1.7	.3	5.3	.7	157	<.1	<.1	<.1	220	3.61	.150	7	71.2	3.28	23	.181	20	2.57	1.248	.06	.2	.01	10.6	<.1	<.05	9
13286	1.0	21.0	4.3	62	<.1	71.2	32.8	1206	5.21	1.8	.3	1.3	.7	133	<.1	<.1	<.1	186	2.62	.144	6	69.5	3.19	20	.168	14	2.21	.939	.06	.1	<.01	9.9	<.1	<.05	8
13287	1.0	20.6	2.9	63	<.1	85.2	31.2	991	4.86	1.8	.3	4.8	.6	170	<.1	<.1	<.1	212	4.39	.138	5	83.6	3.51	27	.150	17	1.91	.575	.08	.3	.01	8.0	<.1	<.05	7
13288	1.0	13.3	4.3	62	<.1	112.3	37.1	1025	5.05	1.8	.4	1.3	.5	157	<.1	<.1	<.1	179	5.68	.126	5	87.7	3.72	19	.157	22	2.37	1.026	.19	.1	.01	8.2	<.1	<.05	8
13289	.8	11.9	1.9	51	<.1	143.9	37.2	1054	4.49	1.9	.2	1.4	.5	266	<.1	<.1	<.1	144	4.40	.109	4	84.1	3.70	28	.090	20	1.85	.672	.03	.1	.01	4.4	<.1	<.05	5
13290	1.4	64.2	5.3	68	.1	29.0	15.5	712	3.48	6.1	.8	24.6	2.7	208	.2	.3	.1	118	2.65	.141	13	35.6	1.07	131	.151	6	2.37	.651	.20	.2	.03	5.3	.1	<.05	7
13291	1.2	94.4	5.6	65	<.1	69.1	32.2	1335	5.12	6.9	.6	1.6	1.7	218	.1	<.1	.1	157	4.44	.233	12	90.5	3.38	81	.121	13	3.63	1.867	.15	.1	.01	12.1	<.1	<.05	9
STANDARD	6.4	119.7	30.5	152	.3	32.3	11.7	785	3.18	23.1	6.4	26.3	3.5	30	5.5	4.8	5.3	73	.56	.089	16	139.0	.57	148	.087	1	1.71	.030	.15	4.1	.28	3.6	1.1	.07	6

Standard is STANDARD DS4. 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
13292	.8	50.0	3.6	54	<.1	75.6	32.2	862	4.21	2.6	.5	.7	1.3	175	<.1	<.1	<.1	152	3.12	.227	8	202.3	3.35	45	.060	12	2.54	1.148	.14	.1	.01	7.2	<.1	<.05	7
13293	.9	42.5	2.6	48	<.1	77.3	30.8	751	3.87	1.7	.3	<.5	1.4	169	<.1	<.1	<.1	144	3.42	.256	9	209.4	2.67	38	.051	9	1.90	.937	.04	.3	.01	4.6	<.1	<.05	6
13294	.7	64.2	1.8	50	<.1	78.2	31.5	752	4.02	3.1	.4	.6	1.3	167	<.1	.1	<.1	140	3.24	.259	9	214.2	2.90	37	.049	12	1.95	.861	.04	.2	.01	4.4	<.1	<.05	6
13295	.9	78.5	2.0	50	<.1	73.2	32.2	651	3.87	2.8	.5	.5	1.4	173	<.1	<.1	<.1	133	2.96	.266	8	200.5	3.04	35	.047	9	1.88	.806	.05	.3	.01	4.9	<.1	<.05	6
13296	.7	117.2	1.9	47	<.1	74.1	29.4	858	4.03	2.8	.4	1.4	1.3	156	<.1	<.1	<.1	142	2.92	.236	8	213.6	3.05	38	.044	11	1.80	.619	.05	.2	.01	4.2	<.1	<.05	6
13297	.8	120.9	1.9	58	<.1	75.4	32.8	1079	4.15	2.3	.5	2.1	1.3	173	<.1	.1	<.1	143	3.76	.237	8	210.5	3.43	42	.051	12	2.03	.659	.07	.2	.02	6.1	<.1	<.05	7
13298	.7	102.8	1.2	55	<.1	77.7	31.9	701	4.21	3.4	.5	1.1	1.3	155	<.1	<.1	<.1	142	2.01	.248	8	245.5	3.34	42	.048	14	1.94	.677	.04	.1	.01	5.1	<.1	<.05	6
13299	.9	46.0	2.8	57	<.1	80.7	35.2	1036	4.36	5.3	.6	.7	1.2	175	<.1	<.1	<.1	141	4.32	.220	8	202.9	2.96	65	.098	12	2.31	.964	.07	.3	.07	9.1	<.1	<.05	7
13300	.9	458.5	3.9	59	.2	33.2	31.3	1066	4.50	4.6	.5	<.5	1.5	218	<.1	.1	<.1	189	3.87	.252	11	82.2	2.26	61	.124	8	2.87	1.695	.04	.2	.07	10.3	<.1	<.05	7
13301	1.0	25.3	4.5	65	<.1	28.0	28.5	912	4.90	5.5	.6	3.4	1.5	232	<.1	.1	<.1	191	3.59	.261	11	60.7	1.98	97	.150	13	3.36	2.066	.10	.3	.05	8.4	<.1	<.05	9
13302	.7	88.0	4.8	66	<.1	18.3	24.8	790	4.91	5.3	.4	2.9	1.4	141	<.1	.1	<.1	191	3.38	.261	11	23.8	1.68	54	.165	16	3.70	2.510	.10	.2	.02	7.9	<.1	<.05	8
13303	1.1	41.5	5.6	77	<.1	20.1	30.4	1025	5.75	6.6	.5	2.0	1.7	156	<.1	.1	<.1	223	3.25	.287	12	31.1	2.16	52	.181	11	3.96	2.715	.09	.3	.03	10.2	<.1	<.05	10
13304	.6	149.3	4.8	72	<.1	15.6	28.6	1291	4.52	5.2	.5	1.8	1.4	152	<.1	<.1	<.1	145	3.59	.272	12	30.0	2.41	40	.136	8	3.32	2.010	.06	.2	.03	12.7	<.1	<.05	9
13305	.5	131.0	4.1	62	<.1	13.5	23.3	1016	3.60	3.5	.4	.8	1.4	132	<.1	.1	<.1	141	3.56	.255	11	27.5	1.86	30	.106	7	3.03	1.856	.05	.3	.05	10.1	<.1	<.05	8
13306	.7	134.5	3.0	64	<.1	14.9	24.6	1544	4.24	2.7	.4	<.5	1.4	189	<.1	.1	.1	160	5.40	.259	11	37.7	2.40	33	.081	9	2.91	1.209	.04	.1	.07	13.0	<.1	.11	9
13307	.8	37.8	1.6	62	<.1	13.0	25.0	681	5.02	3.1	.5	.7	1.3	236	<.1	.1	<.1	185	2.72	.264	10	25.2	1.47	65	.060	14	3.07	1.573	.06	.3	.02	5.5	<.1	<.05	8
13308	.8	76.8	3.5	66	<.1	23.3	26.1	995	5.34	5.8	.5	5.2	1.3	183	<.1	.1	<.1	188	3.68	.267	11	50.3	1.85	59	.124	11	3.64	2.061	.06	.2	.11	9.1	<.1	.07	9
13309	.6	107.8	3.9	70	<.1	33.0	27.5	815	5.14	3.9	.4	3.3	1.2	150	<.1	.1	<.1	224	3.47	.236	9	53.3	1.59	54	.100	13	3.65	2.460	.04	.1	.17	7.7	<.1	.13	10
13310	1.0	126.2	3.0	75	.1	35.1	30.6	831	5.39	5.4	.5	2.8	1.2	210	.1	.2	<.1	222	3.20	.260	9	60.2	1.95	67	.103	10	3.73	1.884	.04	.1	.28	7.1	.1	.40	10
RE 13310	1.1	129.5	3.2	77	.1	37.4	30.8	841	5.87	5.0	.5	2.8	1.2	215	<.1	.2	<.1	222	3.07	.259	10	62.1	2.04	72	.108	11	3.85	1.894	.04	.1	.28	6.9	<.1	.41	9
RRE 13310	1.1	126.2	3.2	77	.1	35.2	30.4	880	5.74	5.1	.5	3.3	1.3	225	<.1	.1	<.1	223	3.01	.270	10	65.0	2.12	73	.111	15	3.84	1.956	.04	.1	.27	7.3	.1	.42	11
13311	6.2	140.4	3.4	69	.2	36.0	28.8	988	5.33	3.4	.5	3.4	1.0	191	<.1	<.1	<.1	205	4.80	.233	9	64.7	2.43	37	.151	8	3.10	1.295	.02	.1	.43	9.7	.1	1.45	10
13312	.9	314.8	3.6	59	<.1	32.1	28.0	1422	4.97	4.2	.3	<.5	.5	171	.2	<.1	<.1	184	5.75	.129	5	106.8	3.06	28	.138	9	2.79	.952	.05	.1	.04	16.6	<.1	.20	8
13313	.9	60.4	3.2	61	<.1	32.9	27.8	1547	5.37	4.9	.3	<.5	.6	144	<.1	<.1	<.1	182	4.77	.131	5	112.7	2.72	28	.147	9	2.92	1.208	.06	.1	.01	15.2	<.1	<.05	8
13314	1.1	186.4	3.9	60	<.1	41.3	31.6	2236	5.52	7.7	.3	<.5	.6	155	.1	.1	<.1	210	4.98	.152	6	85.7	3.05	37	.155	11	2.81	1.089	.06	.2	.01	15.1	<.1	<.05	9
13315	.9	36.1	4.1	67	<.1	45.5	32.1	2163	5.36	6.3	.3	.5	.7	149	<.1	.1	<.1	229	4.03	.163	7	94.1	3.42	35	.167	12	2.60	.833	.05	.2	.01	15.5	<.1	<.05	9
13316	.9	26.9	4.3	70	<.1	46.8	32.9	2347	5.63	10.2	.3	<.5	.7	143	<.1	.1	<.1	221	3.26	.166	7	76.6	2.81	39	.167	12	2.62	1.238	.05	.2	.03	13.3	<.1	<.05	9
13317	.9	759.3	4.3	59	<.1	44.0	38.1	3137	4.81	103.8	.3	<.5	.6	161	.1	.5	<.1	198	6.37	.154	6	84.4	2.82	53	.135	9	2.42	.395	.07	.2	.83	12.4	<.1	.49	9
13318	.9	104.6	4.0	60	<.1	49.5	36.1	3127	5.09	23.1	.3	<.5	.6	140	<.1	.2	<.1	153	3.87	.151	6	87.1	2.93	42	.151	12	2.47	.910	.05	.3	.24	13.1	<.1	<.05	8
13319	.7	28.1	4.1	62	<.1	50.0	34.2	1656	5.45	11.6	.3	<.5	.7	152	<.1	.1	<.1	202	4.22	.157	6	110.9	2.93	39	.115	15	2.21	.808	.04	.1	.10	14.5	<.1	.06	7
13320	.7	47.8	3.8	65	<.1	63.6	35.8	1653	5.25	14.2	.3	<.5	.7	190	<.1	.1	<.1	187	7.98	.160	6	165.1	2.67	32	.089	19	2.40	.539	.09	.1	.02	18.8	<.1	.06	8
13321	.8	27.6	2.5	20	<.1	35.0	11.3	2145	2.72	7.4	.2	<.5	.4	230	.1	.1	<.1	101	15.18	.085	4	97.5	.69	24	.018	14	.89	.061	.08	<.1	.02	11.6	<.1	.16	2
13322	.6	34.5	1.9	55	<.1	98.3	38.0	1530	5.05	10.0	.2	<.5	.4	242	.1	.1	<.1	161	10.36	.095	4	147.4	1.95	30	.065	12	1.45	.305	.06	.1	.03	13.4	<.1	.10	4
13323	.8	27.8	5.5	60	<.1	41.8	26.6	701	5.05	7.7	.3	1.2	.7	142	<.1	.1	<.1	193	4.28	.149	6	82.2	2.20	35	.143	12	3.16	1.802	.23	.1	.02	11.0	<.1	.08	8
STANDARD	6.7	124.0	30.2	156	.3	32.7	11.7	797	3.02	23.0	6.2	26.0	3.6	28	5.5	5.0	5.1	72	.54	.097	15	166.2	.57	144	.087	2	1.66	.030	.16	3.8	.27	3.7	1.1	<.05	6

Standard is STANDARD DS4. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data K 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
13324	.9	54.3	4.3	60	<.1	37.4	26.1	807	5.35	6.6	.3	.6	.8	150	.1	.1	<.1	226	3.63	.166	7	44.9	1.73	47	.135	11	3.19	1.998	.09	.1	.03	9.6	<.1	.11	8
13325	.8	531.5	3.1	56	.1	43.9	28.4	1063	3.95	2.9	.2	<.5	.7	58	.1	<.1	<.1	175	3.91	.153	6	44.0	1.87	15	.124	4	2.15	1.083	.03	.2	.02	7.5	<.1	.13	8
13326	.9	473.3	4.0	50	<.1	49.6	32.6	1165	4.43	3.4	.3	<.5	.7	76	.3	<.1	<.1	187	4.57	.155	7	53.4	1.99	21	.147	6	2.33	1.249	.03	.2	.02	9.6	<.1	.10	8
13327	1.0	453.3	2.8	57	.1	47.0	29.0	1109	4.48	3.0	.3	<.5	.7	70	.2	<.1	<.1	228	4.08	.151	6	61.1	2.45	17	.146	6	2.34	1.041	.04	.1	.01	9.1	<.1	.06	10
13328	1.1	225.9	4.7	53	<.1	73.9	35.4	1044	5.06	7.5	.3	1.1	.8	80	<.1	<.1	<.1	212	3.54	.160	7	119.2	2.59	25	.161	7	1.80	.597	.04	.3	.01	9.2	<.1	<.05	8
13329	1.4	244.8	4.3	59	<.1	61.7	31.8	1083	4.88	8.4	.3	1.8	.8	79	<.1	<.1	<.1	222	3.37	.157	7	119.0	2.80	26	.177	12	2.36	.986	.04	.2	<.01	10.3	<.1	<.05	8
13330	1.0	106.5	3.5	55	<.1	59.6	29.3	1127	4.79	6.1	.3	3.5	.6	78	<.1	<.1	<.1	183	5.11	.138	6	109.6	2.42	21	.157	9	2.18	.948	.04	.2	.01	10.2	<.1	<.05	8
13331	.9	493.4	3.6	66	.1	65.3	37.5	1625	5.27	4.2	.3	<.5	.8	112	.2	<.1	<.1	203	5.74	.169	7	68.7	3.66	21	.198	9	2.98	1.115	.06	.1	.02	15.7	<.1	.07	11
13332	1.0	178.4	3.6	57	<.1	56.9	29.3	1503	5.01	3.7	.3	.8	.7	172	<.1	<.1	<.1	230	5.00	.154	7	49.1	2.19	33	.175	8	2.10	.727	.04	.1	.02	9.4	<.1	.10	7
13333	1.1	186.2	5.2	61	<.1	59.3	33.0	1144	5.48	6.8	.3	.7	.7	103	<.1	<.1	<.1	179	4.05	.161	7	53.3	2.94	28	.208	14	2.66	1.363	.07	.1	<.01	14.7	<.1	<.05	7
13334	.6	37.6	3.2	50	<.1	46.6	25.2	1015	4.16	3.7	.2	1.2	.7	153	<.1	.1	<.1	157	4.80	.150	6	48.4	1.80	35	.162	7	1.98	.809	.05	.2	<.01	7.3	<.1	<.05	6
13335	1.0	54.8	4.7	55	<.1	66.0	33.2	992	4.72	5.6	.3	<.5	.6	94	<.1	<.1	<.1	140	5.25	.129	6	77.3	2.54	27	.177	9	1.97	.895	.06	.1	<.01	10.7	<.1	<.05	6
13336	.8	35.3	2.5	53	<.1	78.4	32.0	1075	4.71	3.3	.3	2.1	.7	186	<.1	<.1	<.1	175	3.48	.139	6	102.6	2.66	46	.132	10	2.20	.749	.04	.2	.01	6.0	<.1	<.05	6
13337	.6	32.4	2.1	48	<.1	79.9	33.9	997	4.44	3.7	.3	1.2	.5	160	<.1	<.1	.1	177	4.63	.125	5	110.8	3.29	37	.115	9	2.25	.824	.06	.1	.01	6.3	<.1	<.05	6
13338	.8	41.0	2.6	51	<.1	95.4	35.8	988	4.85	3.8	.3	<.5	.6	176	<.1	<.1	<.1	165	3.34	.128	5	114.6	3.98	32	.119	19	2.74	1.170	.20	.1	.01	6.3	<.1	<.05	6
13339	.8	63.6	3.5	57	<.1	97.0	33.7	1200	5.05	5.5	.3	3.2	.5	169	<.1	<.1	<.1	158	2.89	.117	5	86.1	3.76	38	.135	17	2.66	1.135	.13	<.1	<.01	7.1	<.1	<.05	8
13340	.7	122.1	4.7	67	<.1	36.8	28.4	1087	5.45	4.7	.3	1.6	.8	123	<.1	<.1	<.1	207	3.45	.170	7	55.1	2.38	33	.191	14	3.36	2.139	.09	.2	.02	9.5	<.1	<.05	8
RE 13340	.8	112.0	4.6	60	<.1	35.6	27.7	982	5.18	4.6	.3	1.7	.7	132	<.1	<.1	<.1	207	3.24	.167	7	55.1	2.30	37	.182	9	3.18	2.009	.08	.1	.01	8.6	<.1	<.05	7
RRE 13340	.8	99.2	5.0	62	<.1	32.7	25.9	1001	5.15	4.6	.3	2.3	.7	123	<.1	<.1	<.1	210	3.44	.171	7	53.2	2.30	35	.189	11	3.41	2.050	.08	.2	.01	9.6	<.1	<.05	8
13341	1.2	581.8	5.1	69	.1	47.4	33.7	1079	6.20	6.2	.4	3.5	.7	113	<.1	<.1	<.1	244	2.53	.183	7	53.3	4.28	27	.209	14	4.38	2.339	.09	.1	<.01	13.6	<.1	.07	12
13342	.6	7.8	4.0	62	<.1	79.4	37.6	1063	5.37	7.3	.3	2.7	.6	137	<.1	<.1	<.1	171	3.07	.158	6	92.0	3.75	30	.169	13	3.27	1.615	.16	.1	<.01	9.7	<.1	<.05	8
13343	1.1	463.9	5.6	68	.1	36.9	32.9	1138	6.49	9.3	.4	.5	.8	122	<.1	<.1	<.1	228	3.78	.179	7	84.1	3.18	34	.227	12	3.89	2.024	.14	.1	.01	12.2	<.1	<.05	10
13344	.9	32.5	4.5	69	<.1	37.4	30.7	1159	5.76	7.9	.3	2.4	.7	180	<.1	<.1	<.1	227	2.67	.183	7	59.7	2.31	51	.206	14	3.90	2.037	.06	.1	.01	7.5	<.1	.06	9
13345	1.0	104.2	5.6	64	<.1	51.9	32.6	921	5.52	8.5	.4	.9	.7	130	.1	.1	<.1	203	3.54	.160	7	126.4	2.71	39	.206	15	4.07	2.339	.21	.2	.02	10.1	<.1	.06	9
13346	.7	5.7	5.2	64	<.1	41.5	26.5	761	4.97	7.7	.4	2.9	.7	115	<.1	<.1	<.1	199	2.65	.169	7	89.8	2.63	35	.177	17	3.99	2.367	.16	.1	<.01	7.3	<.1	<.05	8
13347	.8	7.1	5.2	64	<.1	43.5	28.1	925	4.79	9.3	.3	13.1	.9	100	<.1	<.1	<.1	217	1.96	.148	7	51.1	3.04	31	.188	15	3.76	2.062	.16	.2	<.01	9.5	<.1	<.05	9
13348	.8	80.6	5.0	62	<.1	56.2	27.1	979	4.91	7.7	.4	2.6	.7	104	<.1	<.1	<.1	186	3.22	.153	7	44.0	2.91	29	.159	9	3.27	2.043	.07	.1	.01	9.5	<.1	<.05	8
13349	.6	226.1	4.7	56	<.1	52.8	30.1	1024	4.58	10.7	.2	<.5	.7	88	<.1	.1	<.1	152	3.50	.160	7	98.2	1.78	23	.147	7	2.70	1.746	.05	.2	.01	7.5	<.1	<.05	6
13350	.5	86.4	4.9	57	<.1	53.9	26.1	972	4.23	9.0	.3	.6	.7	86	<.1	.1	<.1	142	4.25	.158	7	66.2	2.08	25	.146	7	3.02	2.013	.06	.1	.01	7.6	<.1	<.05	7
13351	.7	24.7	4.5	57	<.1	64.1	26.1	1050	4.50	5.5	.3	.8	.7	105	.1	.1	<.1	184	3.86	.151	7	35.3	3.01	31	.165	10	3.09	1.670	.07	.2	.01	6.9	<.1	<.05	8
13352	.6	13.6	3.9	54	<.1	62.5	28.5	947	4.64	6.4	.3	<.5	.6	130	<.1	<.1	<.1	173	4.63	.132	5	41.5	2.52	38	.143	10	2.89	1.599	.07	.2	<.01	5.8	<.1	<.05	7
13353	.9	350.0	3.0	49	<.1	79.3	32.4	1311	5.35	5.5	.3	<.5	.6	193	.1	<.1	<.1	200	4.34	.136	6	51.4	3.25	45	.132	15	2.80	1.380	.07	.1	.01	6.4	<.1	<.05	8
13354	.6	320.0	3.1	57	<.1	72.6	31.2	1090	4.48	4.8	.3	1.5	.5	163	<.1	<.1	<.1	202	4.48	.120	5	56.2	3.01	35	.125	10	2.48	1.140	.05	.1	.01	5.3	<.1	.06	7
13355	.4	36.5	3.7	56	<.1	76.8	31.2	946	3.98	4.8	.2	.6	.6	108	<.1	<.1	<.1	121	2.89	.136	5	56.2	2.77	28	.131	9	2.81	1.501	.05	.2	<.01	5.1	<.1	.06	7
STANDARD DS4	7.0	129.5	31.0	159	.3	35.7	12.4	846	3.25	22.9	6.2	25.1	3.8	27	5.4	4.6	4.9	77	.52	.092	17	169.5	.57	141	.092	1	1.72	.030	.16	4.2	.29	3.6	1.1	<.05	6

Sample type: CORE R150 60C. 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
13356	.5	28.9	3.0	52	<.1	97.5	32.4	966	4.11	4.3	.3	2.0	.5	146	.1	<.1	<.1	171	5.06	.112	5	45.8	2.74	35	.138	13	2.43	1.210	.07	.1	.01	4.6	<.1	.09	7
13357	.5	20.3	3.4	50	<.1	57.8	26.0	847	3.39	3.4	.2	1.4	.5	118	<.1	<.1	<.1	169	2.85	.131	6	65.8	2.04	32	.125	12	2.41	1.333	.06	.2	<.01	3.3	<.1	<.05	6
13358	.7	54.7	1.8	52	<.1	71.1	32.9	941	4.53	4.6	.4	1.8	.7	238	<.1	<.1	<.1	194	1.66	.159	5	83.0	2.76	56	.122	14	2.73	1.160	.03	.1	<.01	3.2	<.1	<.05	6
13359	.9	50.0	3.1	53	<.1	59.4	29.9	1015	4.44	6.4	.4	1.6	.6	168	<.1	<.1	<.1	183	2.16	.148	5	76.7	2.69	34	.162	15	3.04	1.615	.05	.2	<.01	4.9	<.1	<.05	8
13360	1.7	856.3	6.5	59	.2	46.3	30.9	1199	6.01	7.3	.3	5.0	.9	122	<.1	<.1	<.1	271	1.64	.154	8	35.8	3.49	34	.222	24	4.71	3.441	.13	.2	<.01	9.8	<.1	<.05	11
13361	1.1	82.0	4.9	62	<.1	29.8	24.0	926	4.73	4.2	.3	2.5	.8	146	.1	<.1	<.1	249	3.18	.190	7	24.0	1.70	37	.184	14	4.22	2.534	.05	.1	<.01	4.7	<.1	.14	10
13362	1.0	155.3	5.9	65	<.1	36.9	27.8	1059	4.98	5.3	.5	1.3	.8	135	<.1	.1	<.1	218	3.68	.184	7	33.6	2.42	38	.206	17	4.09	2.556	.17	.2	.01	7.5	<.1	<.05	10
13363	.7	138.2	4.5	69	<.1	40.2	29.4	1082	4.69	4.2	.4	1.8	.7	123	<.1	.1	<.1	244	3.28	.156	6	31.4	1.99	36	.197	13	3.40	2.119	.07	.2	.01	5.9	<.1	<.05	9
13364	.8	112.1	4.2	58	<.1	44.6	31.6	1101	5.24	3.0	.4	2.9	.7	148	<.1	<.1	<.1	277	3.33	.162	6	31.8	2.30	36	.214	13	3.49	1.901	.06	.2	.01	6.1	<.1	<.05	9
13365	.7	157.7	3.4	60	.1	46.1	28.5	1044	5.01	2.6	.4	3.1	.7	209	<.1	<.1	<.1	222	2.78	.154	6	32.1	1.93	58	.194	17	3.49	1.749	.05	.2	<.01	4.6	<.1	<.05	8
13366	.6	16.2	4.9	62	<.1	24.9	24.1	914	4.44	3.5	.4	1.6	.7	127	<.1	.1	<.1	193	3.79	.162	6	29.2	1.90	37	.178	13	3.84	2.727	.06	.2	.01	6.7	<.1	<.05	8
13367	.7	21.9	5.2	58	<.1	27.5	25.8	910	4.85	3.1	.3	.6	.7	142	<.1	<.1	<.1	243	3.15	.152	6	30.7	2.24	37	.178	11	3.89	2.475	.07	.1	.01	7.9	<.1	<.05	8
13368	.7	43.3	5.0	66	<.1	30.2	29.7	975	5.00	3.5	.3	1.2	.6	141	<.1	<.1	<.1	171	2.54	.144	6	45.2	2.15	35	.183	12	3.56	2.255	.14	.2	<.01	8.7	<.1	<.05	9
13369	.6	42.1	3.0	61	<.1	28.3	26.2	928	5.29	2.9	.4	4.3	.7	318	.1	<.1	<.1	252	2.63	.140	6	31.6	1.55	75	.195	17	3.23	1.438	.06	.3	.01	5.7	<.1	<.05	8
13370	.5	26.1	4.4	60	<.1	44.6	30.1	932	4.93	3.2	.3	1.0	.6	158	<.1	.1	<.1	203	3.32	.141	6	48.1	2.24	40	.183	11	3.43	1.897	.09	.3	.01	7.3	<.1	<.05	8
13371	.5	14.0	2.1	48	<.1	104.2	33.9	986	4.34	4.1	.2	1.7	.5	193	<.1	<.1	<.1	147	4.15	.118	4	101.7	2.82	32	.107	11	2.05	.715	.06	.3	.01	5.0	<.1	<.05	6
13372	.6	25.1	5.0	62	<.1	61.0	30.3	732	4.86	5.7	.5	3.7	.8	173	<.1	<.1	<.1	170	4.24	.163	7	102.3	2.75	43	.172	19	4.39	2.560	.35	.1	<.01	8.3	<.1	<.05	9
13373	.6	18.1	6.5	73	<.1	39.9	29.0	773	5.10	4.8	.7	9.9	.9	204	.1	<.1	<.1	202	2.63	.204	8	135.7	3.46	57	.215	31	6.16	3.616	.41	.1	<.01	11.0	<.1	<.05	10
13374	.7	29.6	4.3	61	<.1	118.0	39.1	1057	5.20	3.9	.5	10.0	.7	211	<.1	<.1	<.1	182	2.83	.155	6	159.9	5.06	38	.161	25	4.05	1.592	.24	.2	<.01	8.0	<.1	<.05	8
13375	.9	80.2	3.8	60	<.1	87.3	32.5	816	5.00	3.6	.4	2.6	.6	110	<.1	.1	<.1	215	3.53	.149	6	260.3	3.07	26	.166	17	2.30	.944	.07	.6	.01	7.3	<.1	<.05	8
13376	1.0	121.3	5.0	84	.1	4.1	21.8	1190	4.84	5.3	.8	3.4	1.4	169	.1	.1	.1	177	2.35	.232	14	6.0	1.53	29	.258	20	6.09	3.123	.13	.2	.07	5.0	.1	.08	14
13377	1.6	141.6	2.9	95	.1	4.5	20.4	1199	5.40	2.2	.9	3.7	1.8	193	<.1	.2	<.1	175	1.71	.278	14	8.2	1.39	26	.264	20	7.30	4.465	.05	<.1	.02	2.6	<.1	<.05	14
13378	1.0	127.4	4.9	84	.1	3.5	23.3	1247	5.34	5.0	.8	3.7	1.4	131	.1	.1	.1	192	2.97	.253	13	5.5	1.65	25	.233	16	6.86	3.485	.09	.1	.11	4.9	.1	.11	14
13379	1.1	154.9	5.7	85	.1	3.8	23.5	1334	5.73	6.4	.9	3.2	1.4	112	.1	.2	.1	178	2.50	.253	13	5.0	1.77	20	.307	15	6.85	3.632	.06	.2	.15	5.2	.3	.07	16
13380	.9	131.6	8.0	85	.1	3.6	20.9	1296	5.52	5.5	.8	4.8	1.3	133	.3	.1	.1	188	2.24	.275	15	5.1	1.61	32	.343	16	7.33	4.093	.11	.3	.12	4.1	.1	.08	15
RE 13380	.9	128.2	7.3	81	.1	3.4	20.4	1301	5.30	4.5	.7	3.4	1.3	131	.3	.1	<.1	163	2.11	.266	14	5.4	1.59	29	.318	18	6.81	4.091	.10	.2	.11	3.8	.1	<.05	13
RRE 13380	.9	128.1	6.8	86	.1	3.5	22.1	1395	5.58	5.0	.7	4.9	1.3	127	.4	.1	.1	182	2.08	.275	14	4.7	1.57	30	.323	13	6.85	3.970	.10	.1	.12	3.8	.1	.07	15
13381	.7	137.7	4.5	97	.1	4.1	23.4	1497	5.81	4.7	.7	2.8	1.2	150	.1	.2	.1	200	1.52	.288	14	5.5	1.71	35	.384	18	6.96	3.678	.17	.2	.04	3.0	.1	<.05	14
13382	1.0	102.4	7.3	79	.1	3.3	18.4	1253	4.92	5.9	.7	2.7	1.2	155	.5	.1	.1	169	1.75	.250	13	4.4	1.41	31	.277	73	6.23	3.212	.10	.1	.06	3.1	.1	.10	13
13383	.5	149.0	4.4	109	.1	2.9	18.7	1335	5.04	2.9	.8	1.1	1.4	132	.1	.1	<.1	158	1.94	.263	12	4.1	1.22	22	.238	45	7.59	4.641	.05	.2	.01	2.2	<.1	<.05	13
13384	1.7	204.2	228.2	570	1.0	3.2	21.2	2495	5.75	5.3	.8	3.2	1.3	110	10.8	.1	.2	181	2.42	.272	13	6.3	1.82	29	.303	46	7.10	3.966	.09	.2	.03	3.9	.1	.08	17
13385	.8	379.6	97.6	388	1.2	3.4	22.9	2348	5.94	4.8	.7	4.1	1.3	165	7.3	.1	.1	212	2.15	.281	14	6.7	1.67	41	.312	16	6.02	2.925	.11	.3	.02	4.0	.1	.09	15
13386	1.4	118.0	37.7	215	.1	3.1	18.4	1646	5.07	5.2	.8	2.0	1.4	226	5.2	.1	<.1	177	2.34	.244	13	4.6	1.39	33	.314	28	5.62	2.760	.12	.1	.04	3.3	.1	.08	13
13387	1.0	135.5	6.3	98	.1	2.9	19.6	1283	4.99	6.7	.9	2.5	1.4	210	.7	.1	.1	170	3.20	.256	13	6.4	1.56	26	.274	275	6.22	3.433	.12	.2	.04	3.6	.1	.08	14
STANDARD	6.8	119.9	30.9	155	.3	35.3	11.9	827	3.18	22.7	6.6	25.9	3.6	27	5.4	4.7	4.9	77	.51	.093	15	167.4	.56	140	.088	1	1.71	.030	.14	4.0	.27	3.4	1.0	.09	6

Standard is STANDARD DS4. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data k 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
13388	.7	141.8	6.2	83	.1	2.2	18.4	1237	4.50	5.7	.7	4.0	1.3	267	.7	.1	.1	178	2.33	.283	12	3.7	1.74	34	.255	251	5.74	3.600	.10	.1	.04	2.7	.1	.12	13
13389	1.0	126.8	9.4	137	.1	4.0	19.2	1334	4.66	6.6	.8	3.1	1.3	301	.7	.2	.1	178	1.93	.258	13	6.1	1.53	36	.275	163	5.76	3.885	.14	.1	.04	3.6	.1	.13	15
13390	.9	126.3	404.7	613	.9	3.4	18.4	2276	4.68	7.8	.9	5.3	1.2	139	10.1	.1	.1	191	4.80	.243	13	7.1	1.70	30	.271	89	5.55	3.590	.10	.2	.03	4.0	.1	.11	14
13391	.8	111.3	82.9	379	.3	5.0	18.8	2087	4.21	7.2	.8	2.6	1.2	143	.5	.1	.1	162	5.93	.238	11	7.3	1.53	28	.251	22	5.11	3.237	.12	.1	.06	4.4	.1	.16	12
13392	.8	243.8	201.0	873	2.3	6.4	21.7	2277	5.66	5.1	.9	13.2	1.2	109	2.6	.2	.1	203	3.85	.247	12	13.1	1.75	30	.305	26	5.47	3.690	.10	.2	.03	6.6	.1	<.05	15
13393	.7	584.2	483.7	705	6.9	2.9	19.5	2111	4.30	5.6	.7	3.6	1.1	133	8.2	.1	.1	168	2.24	.247	12	4.9	1.69	28	.271	16	5.06	3.384	.15	.1	.03	4.7	.1	.11	13
13394	.8	129.4	148.7	611	.6	2.9	18.3	2044	4.52	6.1	.8	2.9	1.3	157	3.9	.1	.1	180	2.10	.253	12	5.0	1.74	30	.253	18	5.77	3.740	.11	.2	.04	4.0	.1	<.05	15
13395	1.1	115.8	87.3	362	.2	3.1	18.9	1907	4.85	6.9	.7	4.2	1.2	113	2.4	.1	.1	183	1.87	.257	12	4.7	1.74	31	.295	37	6.23	3.899	.21	.1	.08	3.9	.1	.12	13
13396	1.4	207.6	89.5	557	.4	2.7	21.4	2329	5.11	23.6	.9	2.5	1.2	290	.1	.1	.1	182	2.26	.322	14	2.7	1.94	28	.349	104	6.70	4.204	.25	.3	.02	3.5	.1	<.05	14
13397	1.5	101.5	25.3	540	.1	2.1	23.4	2057	5.30	20.5	.6	2.0	1.3	590	<.1	.2	<.1	188	2.96	.377	14	1.9	2.32	19	.339	151	7.30	4.331	.17	.2	.01	3.5	.1	<.05	17
13398	.5	70.4	22.0	88	<.1	1.7	21.4	1204	4.82	3.4	.6	2.4	1.2	296	<.1	.1	.1	186	2.37	.353	13	2.5	1.65	29	.296	144	6.41	4.421	.08	.2	.01	2.2	<.1	<.05	13
13399	.4	146.7	6.2	87	.1	2.1	22.7	1389	5.05	2.6	.7	1.5	1.2	339	<.1	<.1	.2	176	2.40	.375	13	2.5	1.65	29	.324	102	6.85	4.282	.08	.1	.01	2.4	<.1	<.05	14
13400	.9	122.1	5.3	84	.1	3.0	19.2	1148	4.88	2.9	.9	3.0	1.4	287	.1	.1	.1	179	2.05	.273	12	5.5	1.32	36	.287	143	6.03	4.187	.13	.1	.04	2.7	.1	.06	14
13401	1.2	120.3	5.6	90	.1	3.7	20.9	1195	5.07	4.1	.8	4.8	1.4	207	<.1	.1	.1	172	1.99	.256	13	5.6	1.33	33	.290	55	6.71	4.668	.16	.2	.07	3.4	.2	.12	15
13402	1.5	147.8	5.4	103	.1	4.0	24.0	1395	5.68	5.7	.9	4.3	1.5	187	.1	.1	.2	198	2.00	.281	13	5.8	1.41	35	.315	31	6.72	4.792	.22	.2	.06	3.3	.2	.17	16
13403	1.3	169.7	5.4	88	.1	4.0	23.4	1316	5.29	5.7	.9	5.6	1.4	143	.1	.1	.1	190	1.97	.274	13	6.8	1.67	38	.304	25	6.96	5.009	.13	.1	.07	3.4	.2	.09	17
13404	1.2	123.4	4.8	86	.1	4.2	22.7	1261	5.60	4.2	.8	3.8	1.4	172	<.1	.1	.1	204	1.56	.276	14	6.0	1.57	42	.312	29	6.23	4.409	.19	.2	.07	3.5	.1	.13	15
13405	1.2	129.1	5.4	87	.1	5.6	23.1	1283	5.23	4.3	.9	4.3	1.4	184	<.1	.1	.1	196	2.87	.288	13	10.0	1.86	38	.337	31	6.68	4.357	.20	.1	.11	4.6	.2	.20	15
13406	1.0	138.1	3.3	79	.1	2.2	18.8	1301	4.64	3.2	.9	4.9	1.4	243	<.1	.1	<.1	149	1.85	.286	13	3.8	1.73	56	.273	29	6.74	4.552	.11	.1	.02	3.2	.1	.08	15
13407	.9	106.7	5.7	80	.1	2.7	19.1	1237	4.68	3.6	.8	2.6	1.3	192	.1	.1	<.1	147	2.20	.271	12	4.1	1.41	31	.251	28	6.71	5.005	.12	.1	.02	3.3	.2	.07	15
13408	.9	116.4	4.0	84	.1	3.9	21.5	1214	5.06	4.0	.8	4.2	1.3	285	<.1	.1	.1	180	2.55	.280	13	7.1	1.55	32	.311	30	6.19	3.954	.18	.2	.01	3.4	.1	.08	17
13409	1.0	108.7	3.6	67	.1	6.3	19.3	1077	4.82	5.8	.7	4.3	1.4	186	<.1	.1	.1	173	2.08	.247	13	14.1	1.55	40	.302	22	5.78	3.742	.14	.1	.02	4.3	.1	.08	14
13410	1.2	102.9	5.9	72	.1	4.4	20.7	1183	5.10	3.4	.8	2.7	1.3	143	<.1	.1	.1	191	2.29	.252	14	7.2	1.49	38	.310	30	5.42	3.619	.19	.2	.06	4.3	.1	.08	13
RE 13410	1.1	105.8	5.4	76	.1	4.2	21.1	1206	5.16	3.7	.9	2.6	1.3	147	<.1	.1	.1	187	2.30	.259	14	7.1	1.51	38	.306	35	5.50	3.611	.19	.2	.06	3.9	.1	.07	14
RRE 13410	1.0	111.4	5.0	75	.1	3.9	21.2	1143	4.98	3.6	.9	3.0	1.3	145	<.1	.1	.1	191	2.24	.264	14	7.1	1.47	37	.316	30	5.81	3.555	.19	.1	.06	4.3	.1	.11	14
13411	1.3	127.8	4.0	92	.1	7.4	20.6	1282	4.96	3.9	.9	10.7	1.3	227	<.1	.1	.1	184	2.14	.246	13	18.7	1.51	45	.280	28	6.16	4.015	.17	.1	<.01	3.8	.1	.06	16
13412	1.0	112.8	4.8	81	.1	6.1	19.0	1161	4.40	3.4	.8	8.1	1.3	254	<.1	.1	.1	169	1.67	.233	12	16.3	1.43	37	.311	33	5.88	4.103	.18	.1	.03	3.1	.1	<.05	14
13413	1.4	134.2	6.1	91	.1	5.1	22.1	1254	5.22	4.4	.8	4.9	1.4	287	.1	.1	.1	197	1.68	.281	14	7.7	1.74	60	.336	41	6.42	3.927	.20	.2	.07	4.0	.1	.15	16
13414	1.6	134.8	6.3	93	.1	4.5	26.0	1375	5.80	5.4	.9	4.8	1.4	230	.1	.1	.1	204	1.59	.298	14	7.8	1.73	43	.354	41	6.52	4.352	.21	.2	.08	3.8	.1	.21	17
13415	1.6	135.9	5.7	105	.1	4.1	25.6	1710	6.12	3.9	.8	3.9	1.5	247	<.1	.1	.1	245	1.77	.295	15	7.9	1.82	48	.378	35	7.01	4.830	.18	.3	.06	3.9	.1	.13	18
13416	1.5	112.4	5.4	91	.1	5.9	23.0	1494	5.46	4.0	.9	1.7	1.4	189	.1	.1	.1	204	4.83	.260	14	9.6	1.82	30	.343	35	6.22	4.171	.12	.3	.01	4.4	.1	.13	16
13417	1.2	112.6	7.1	93	.1	6.1	25.1	1521	5.34	3.4	.9	2.8	1.4	158	.1	.1	.1	197	4.25	.277	14	10.1	1.91	33	.351	28	6.10	4.015	.14	.2	.02	4.2	.1	.16	15
13418	.7	136.3	2.1	88	.1	3.3	22.9	1398	5.23	2.2	.9	1.8	1.3	129	<.1	<.1	<.1	198	1.84	.298	16	4.2	2.01	27	.326	38	7.21	5.436	.08	.1	<.01	3.1	<.1	<.05	16
13419	1.1	137.7	4.8	87	.1	3.6	21.9	1394	5.26	2.7	.8	2.2	1.3	196	<.1	.1	.1	190	2.13	.277	14	5.5	1.62	42	.325	30	5.84	4.121	.11	.1	.02	4.1	.1	.08	14
STANDARD DS4	6.6	129.8	31.0	160	.3	35.4	11.8	846	3.16	22.8	6.6	26.3	3.8	31	5.3	4.7	5.0	78	.58	.102	16	168.2	.61	148	.097	1	1.80	.030	.17	4.0	.29	3.8	1.2	.11	6

Sample type: CORE R150 60C. 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
13420	.8	130.3	5.9	84	.1	3.9	18.8	1178	4.75	3.5	.9	3.2	1.5	270	.1	.1	.1	165	1.76	.219	14	5.2	1.26	44	.329	17	4.62	2.723	.09	.3	.01	2.3	.1	.16	11
13421	1.2	125.7	6.8	93	.1	3.8	21.5	1425	5.18	3.8	.7	6.1	1.4	306	.1	1.5	.1	182	2.37	.219	13	6.7	1.55	32	.302	22	6.12	3.434	.08	.3	.02	3.6	.1	.11	14
13422	1.1	103.2	5.7	80	.1	4.4	19.9	1183	4.98	3.5	.8	1.5	1.4	352	<.1	.1	.1	166	2.46	.210	13	6.9	1.39	30	.267	33	5.95	3.295	.10	.2	<.01	3.3	.1	.09	12
13423	1.1	114.4	3.9	85	<.1	5.2	20.1	1348	5.13	2.7	.8	2.6	1.5	213	<.1	.1	.1	174	1.56	.226	14	6.7	1.48	34	.279	31	5.97	3.748	.09	.3	<.01	2.8	<.1	<.05	13
13424	1.4	107.2	5.8	69	<.1	23.4	25.7	1040	5.14	5.9	.7	1.9	1.7	150	<.1	.1	<.1	213	2.38	.214	12	40.2	1.84	27	.240	22	3.73	2.121	.12	.4	<.01	5.6	<.1	<.05	10
13425	1.2	55.5	5.3	65	<.1	18.1	24.6	964	5.12	4.6	.7	2.6	1.7	146	<.1	.1	<.1	196	2.42	.228	12	31.8	1.56	26	.222	18	3.55	2.039	.13	.7	<.01	5.4	<.1	<.05	8
13426	1.2	128.1	5.2	66	.1	17.2	24.4	1157	5.14	3.8	.7	4.2	1.7	148	<.1	.1	<.1	228	2.37	.221	13	32.8	1.72	26	.246	28	4.19	2.511	.11	.3	<.01	5.3	<.1	<.05	9
13427	1.5	241.1	4.6	60	.1	17.9	23.5	1001	4.78	5.3	.7	1.6	1.7	172	.2	.1	<.1	199	3.41	.217	12	34.1	1.64	25	.204	20	3.82	2.316	.08	.3	.01	6.9	<.1	<.05	8
13428	1.2	39.3	5.4	75	<.1	19.1	26.7	1128	5.14	5.5	.7	2.7	1.7	203	<.1	.1	<.1	204	3.07	.224	13	41.6	1.86	28	.218	16	3.81	2.164	.09	.3	<.01	7.5	<.1	<.05	10
13429	1.3	64.6	4.9	65	<.1	21.1	27.2	1090	5.26	5.6	.7	3.6	1.7	161	<.1	.2	<.1	215	2.51	.225	13	42.0	2.08	26	.246	25	3.63	2.078	.12	.5	.01	7.4	<.1	<.05	10
13430	1.0	45.9	4.5	67	<.1	18.7	25.9	1123	4.84	4.9	.6	1.1	1.5	136	<.1	.1	<.1	190	2.51	.219	12	37.0	1.83	24	.241	17	4.04	2.478	.11	.4	.01	6.8	<.1	<.05	9
13431	1.2	55.4	5.3	69	<.1	19.7	26.2	1032	4.88	5.4	.7	1.8	1.8	161	<.1	.1	<.1	181	2.56	.237	13	37.0	1.60	30	.210	20	3.80	2.276	.09	.7	<.01	5.7	<.1	<.05	10
13432	1.0	37.7	4.8	63	<.1	18.0	24.0	1044	4.79	6.8	.6	1.2	1.6	155	<.1	.2	<.1	185	4.65	.231	11	34.8	1.42	26	.206	20	3.41	2.055	.10	.4	.08	6.9	.1	.32	9
13433	1.0	102.8	4.6	63	<.1	17.5	24.3	1002	4.86	4.8	.6	1.4	1.7	190	<.1	.1	<.1	192	2.28	.237	12	34.5	1.62	28	.208	66	3.69	2.101	.12	.7	.01	5.1	<.1	<.05	8
13434	1.1	129.6	4.7	69	<.1	19.5	25.1	1102	5.19	5.0	.8	2.3	1.7	217	.1	.1	<.1	200	2.14	.224	13	33.2	1.73	31	.240	17	3.73	2.267	.13	.4	.02	5.8	<.1	<.05	11
13435	1.0	35.0	5.1	70	<.1	18.8	23.9	1027	4.91	6.2	.7	.6	1.8	202	.1	.1	<.1	196	2.78	.232	12	36.3	1.67	26	.200	224	3.74	1.983	.09	.7	<.01	5.7	.1	.08	10
13436	1.2	157.9	5.8	69	.1	19.2	25.9	1079	4.87	4.1	.8	<.5	1.9	188	.1	.1	.1	202	2.46	.262	13	38.2	1.96	32	.220	16	3.80	2.438	.12	.4	<.01	6.4	<.1	<.05	10
13437	1.4	111.8	4.4	56	.1	19.1	22.8	981	4.82	3.7	.7	5.3	1.7	163	<.1	.1	<.1	210	2.19	.256	12	45.2	1.38	31	.192	20	3.51	2.208	.10	.8	<.01	5.0	<.1	<.05	8
13438	1.1	51.4	5.3	62	<.1	18.5	24.1	983	5.06	4.5	.7	1.1	1.8	193	.1	.1	<.1	224	2.32	.235	13	41.1	1.65	30	.224	18	3.57	2.165	.11	.4	<.01	6.1	<.1	<.05	9
13439	1.1	34.0	4.7	62	<.1	17.1	23.8	1049	4.88	4.1	.6	1.3	1.6	158	.1	.1	<.1	228	3.68	.227	12	44.8	1.61	27	.211	19	3.92	2.244	.09	.5	.01	6.4	<.1	<.05	10
13440	1.1	36.1	5.2	64	<.1	22.2	23.8	1144	5.12	3.5	.7	1.5	1.5	152	.1	.1	<.1	208	2.54	.214	11	40.0	1.53	33	.213	19	3.68	2.381	.11	.3	.01	5.7	<.1	<.05	9
RE 13440	1.0	35.0	4.9	68	<.1	21.1	22.9	1165	4.88	3.3	.6	2.5	1.6	151	.1	.1	<.1	205	2.43	.235	11	38.6	1.52	31	.207	24	3.54	2.367	.11	.3	.01	5.4	<.1	<.05	8
RRE 13440	1.1	35.2	4.8	63	<.1	21.3	22.9	1120	4.90	3.3	.6	<.5	1.5	149	.1	.1	<.1	199	2.37	.228	11	37.1	1.50	31	.204	16	3.57	2.255	.11	.5	.01	4.9	<.1	<.05	9
13441	1.2	37.6	5.0	64	<.1	20.6	23.9	964	5.25	3.8	.7	1.1	1.7	278	.1	.1	<.1	197	2.35	.241	12	43.7	1.65	28	.209	37	3.64	2.036	.12	.3	<.01	5.7	<.1	<.05	10
13442	1.2	388.3	5.8	65	.2	21.8	26.9	1050	5.16	4.1	.7	2.0	1.8	192	.1	.1	<.1	210	2.57	.245	13	40.4	1.76	33	.211	53	3.99	2.473	.11	.5	.02	6.3	<.1	<.05	10
13443	.9	464.3	4.3	75	.2	17.2	22.7	1244	5.19	3.8	.8	1.4	2.0	154	.1	<.1	<.1	232	2.32	.235	14	37.4	1.55	28	.195	16	3.86	2.489	.09	.2	.01	5.6	<.1	<.05	10
13444	1.0	56.9	4.9	63	<.1	17.9	23.7	1088	4.86	5.1	.7	2.7	1.5	149	<.1	.1	<.1	198	2.41	.218	11	42.1	1.69	27	.197	17	3.72	2.249	.14	.5	.01	6.6	<.1	<.05	9
13445	.9	56.8	4.7	63	<.1	23.4	22.4	950	4.55	3.0	.7	1.4	1.8	234	.2	.1	<.1	190	2.11	.227	11	38.3	1.44	28	.187	21	3.36	1.739	.10	.2	<.01	5.6	<.1	<.05	8
13446	1.1	215.1	4.2	60	.2	16.7	22.5	959	4.50	4.1	.9	1.5	1.9	160	.1	.1	<.1	195	2.31	.240	12	39.4	1.48	30	.192	81	3.75	2.341	.12	.5	.01	5.7	<.1	.06	9
13447	1.4	65.9	5.0	62	<.1	21.9	24.6	1069	5.23	3.7	.8	1.2	1.9	157	.1	.1	<.1	195	2.14	.255	12	42.0	1.69	33	.209	105	3.51	2.028	.12	.5	.01	5.5	<.1	<.05	9
13448	1.3	141.3	5.5	69	.1	22.8	21.9	1032	4.89	4.4	.8	2.4	1.8	158	.1	.1	<.1	206	2.00	.253	13	44.5	1.87	31	.224	25	3.82	2.475	.14	.9	.02	5.9	<.1	<.05	10
13449	1.2	81.8	5.6	69	.1	20.1	23.8	1062	4.98	4.0	.8	.9	1.9	155	<.1	.1	<.1	228	1.99	.264	13	40.2	1.66	33	.218	22	3.99	2.493	.14	.5	.01	5.2	<.1	<.05	10
13450	1.1	68.6	5.0	59	<.1	17.3	21.1	1008	4.59	3.0	.8	1.1	2.0	159	<.1	.1	<.1	217	2.03	.255	12	44.8	1.40	34	.200	23	3.27	2.227	.16	.9	<.01	5.0	<.1	<.05	7
13451	1.0	43.7	4.2	57	<.1	21.5	25.9	932	5.05	3.7	.7	1.7	1.5	179	<.1	.1	<.1	206	3.71	.288	11	51.7	1.40	27	.217	21	3.75	2.163	.11	.4	<.01	6.3	<.1	.09	9
STANDARD DS4	6.7	123.7	30.8	151	.3	34.0	11.8	846	3.27	23.4	6.4	25.7	3.6	29	5.6	4.7	5.2	72	.51	.081	15	166.0	.58	141	.082	1	1.73	.030	.16	4.1	.27	3.5	1.1	.09	6

Sample type: CORE R150 60C. 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
13452	1.2	52.7	5.6	68	<.1	23.2	25.0	931	5.43	3.5	.7	1.6	1.9	180	.2	.1	<.1	233	2.25	.301	14	37.2	1.84	34	.253	24	3.85	2.297	.09	.6	.04	5.5	.1	<.05	10
13453	.8	146.9	5.4	75	.1	20.1	25.1	949	5.13	5.3	.8	3.7	1.8	167	.1	.1	<.1	199	1.86	.272	13	36.1	1.47	30	.212	20	3.58	2.531	.09	.3	.03	4.9	.1	<.05	11
13454	1.0	36.7	4.9	51	<.1	14.6	21.3	822	4.26	6.3	.8	.8	1.9	224	.1	.1	<.1	192	4.03	.266	14	24.2	1.32	31	.185	26	4.16	1.960	.10	.5	.05	5.0	.1	<.05	10
13455	1.1	30.8	5.0	71	<.1	20.7	26.0	1109	5.53	3.9	.8	2.5	2.0	201	.1	.1	<.1	225	2.58	.305	14	32.8	1.64	41	.221	34	3.85	2.348	.23	.3	.02	5.0	<.1	<.05	10
13456	1.1	78.4	5.0	67	.1	22.6	26.5	1004	5.12	3.7	.8	2.5	1.9	169	.1	.2	<.1	210	2.73	.263	15	33.9	1.77	37	.235	27	3.26	1.847	.25	.6	.04	5.5	<.1	<.05	9
13457	1.2	100.5	5.4	68	<.1	18.5	24.1	985	4.97	4.2	.8	3.2	1.8	179	<.1	<.1	<.1	232	2.74	.260	14	33.4	1.51	28	.231	31	3.48	2.044	.09	.3	.03	5.0	<.1	<.05	10
13458	1.1	43.4	6.5	68	<.1	21.9	27.3	953	5.21	4.4	.9	2.2	2.0	176	.1	.1	<.1	204	2.89	.293	15	36.3	1.57	35	.231	25	3.65	2.191	.17	.4	.05	5.6	<.1	<.05	10
13459	1.1	190.2	5.9	77	.1	15.5	22.1	947	4.56	5.5	.9	4.1	2.0	162	.1	.1	.1	208	2.30	.286	15	25.5	1.45	28	.212	25	3.50	2.172	.16	.3	.03	5.0	<.1	<.05	9
13460	1.2	67.1	5.8	62	<.1	18.7	22.8	908	5.16	4.1	.9	3.6	1.9	185	.1	.1	<.1	208	2.60	.282	16	30.9	1.53	35	.211	22	3.38	2.136	.16	.5	.02	5.3	<.1	<.05	9
13461	1.1	162.3	4.9	61	<.1	21.8	25.5	1038	4.77	3.7	.8	1.6	1.6	161	<.1	.1	<.1	231	2.65	.268	13	38.9	1.63	37	.195	24	3.58	2.157	.17	.3	.02	4.9	<.1	<.05	8
13462	1.3	36.5	5.2	64	<.1	22.6	23.9	1212	5.29	4.0	.9	4.5	1.8	189	.1	.1	.1	199	3.19	.285	15	38.5	1.82	40	.230	22	3.50	2.117	.32	.3	.01	6.7	<.1	<.05	9
13463	1.1	34.1	5.5	67	<.1	23.0	26.9	1211	5.15	4.4	.9	1.8	1.8	198	<.1	.1	.1	198	3.03	.289	15	44.5	1.82	34	.225	24	3.31	2.044	.29	.3	.02	6.5	<.1	<.05	7
13464	1.1	35.3	5.2	58	.1	29.2	24.1	1032	4.87	3.1	.8	2.6	1.7	184	<.1	.1	<.1	184	2.88	.287	13	46.9	1.77	31	.214	16	3.16	1.871	.18	.6	.02	5.1	<.1	<.05	8
RE 13464	1.2	37.6	5.3	58	<.1	28.9	25.5	1070	4.74	3.2	.8	2.7	1.7	181	<.1	.1	<.1	184	2.82	.273	13	46.4	1.79	34	.214	21	3.13	2.229	.16	.6	.01	4.8	<.1	<.05	8
RRE 13464	1.1	34.2	5.4	60	<.1	27.8	22.5	998	4.90	3.7	.8	.9	1.7	172	<.1	.1	<.1	194	2.77	.259	12	45.9	1.70	31	.219	14	3.12	1.835	.17	.5	.02	4.9	<.1	<.05	9
13465	.9	29.0	5.0	53	.1	23.1	22.0	828	4.32	2.9	.7	1.2	1.5	138	.1	.1	<.1	178	2.25	.260	12	35.0	1.56	30	.198	18	3.36	2.319	.15	.3	.02	4.2	<.1	<.05	8
13466	1.2	292.8	5.8	62	.1	16.2	24.1	1113	5.30	3.6	.9	1.4	1.9	164	.1	.1	<.1	217	2.65	.319	15	25.6	1.65	32	.236	22	4.49	3.118	.19	.3	.02	4.7	<.1	<.05	10
13467	1.1	329.3	6.1	65	.1	19.8	25.2	1096	5.16	3.3	.9	2.6	1.9	168	.1	<.1	<.1	214	2.43	.308	15	28.2	1.47	29	.223	38	4.08	3.050	.12	.6	.03	4.4	<.1	<.05	10
13468	1.1	184.4	6.6	72	.2	19.5	28.4	1082	5.28	3.1	.9	1.8	1.9	187	<.1	.1	<.1	221	2.29	.320	15	30.9	1.58	32	.242	28	4.64	3.201	.14	.4	.04	3.9	<.1	<.05	10
13469	1.0	185.7	5.5	64	.1	14.8	24.5	1000	5.02	2.8	.8	<.5	2.0	245	.1	.1	<.1	212	2.48	.318	15	28.3	1.47	42	.242	34	4.38	2.958	.16	.5	.03	3.8	<.1	<.05	9
13470	.9	88.6	5.7	67	.1	19.4	24.3	962	4.84	3.4	.8	2.3	1.8	153	<.1	.1	.1	218	2.17	.262	14	33.5	1.51	31	.224	19	3.95	2.777	.13	.3	.02	4.6	<.1	<.05	9
13471	1.0	309.6	6.5	67	.2	20.2	25.9	955	4.96	5.3	.9	4.4	2.0	183	.1	.1	.1	213	2.48	.298	15	31.5	1.59	36	.238	20	3.88	2.768	.16	.6	.03	5.0	<.1	<.05	8
13472	1.0	142.1	5.8	65	.1	19.8	24.9	950	4.89	4.9	1.0	4.4	2.0	160	<.1	.1	.1	238	2.26	.293	15	31.3	1.57	30	.221	25	3.71	2.831	.14	.3	.02	4.8	<.1	<.05	8
STANDARD DS4	6.8	127.9	30.3	158	.3	33.3	11.8	795	3.20	23.8	5.9	26.9	3.6	30	5.5	4.7	5.3	74	.55	.087	16	165.1	.57	139	.090	1	1.70	.031	.16	3.8	.27	3.5	1.1	<.05	6

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

Data ✓ FA ___

ACME ANALYTICAL 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

Crest Geological Consulting PROJECT 195 File # A300521 Page 1

2197 Park Crescent, Coquitlam BC V3J 6T1 Submitted by: Craig Payne

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
42501	1.2	5589.6	67.3	675	25.8	2.1	7.0	2025	3.05	39.8	.6	3.3	1.6	158	.9	5.4	.2	110	6.41	.211	14	1.5	.17	62	.031	16	.78	.085	.27	.5	.76	3.4	.1	.11	2	.9
42502	1.3	4832.9	60.7	838	34.8	1.4	6.1	2212	3.38	39.6	.6	2.9	1.4	157	.7	6.0	.2	123	6.44	.191	14	1.4	.17	115	.049	17	.85	.076	.31	.4	1.92	4.2	.1	.08	2	.6
42503	1.9	6801.7	63.7	822	21.0	1.5	6.9	2222	3.62	26.0	.6	1.7	1.5	160	.5	6.2	.2	126	6.93	.210	14	3.4	.16	74	.059	17	.78	.078	.30	.4	.61	4.4	.1	.13	2	1.3
42504	.8	976.4	72.5	521	3.2	1.7	10.9	1495	3.47	42.6	1.1	14.6	2.7	188	.4	8.5	.2	126	4.19	.210	23	2.9	.20	94	.030	24	.96	.102	.37	.6	.20	3.8	.1	<.05	3	<.5
42505	1.0	65.7	159.1	691	2.3	4.4	16.4	2385	5.23	24.4	.9	7.4	1.6	240	.5	13.9	.1	222	6.23	.259	14	6.4	.59	1532	.060	25	2.09	.599	.27	.3	.33	8.8	.1	<.05	6	<.5
42506	.9	45.0	147.3	833	.7	6.7	27.9	2449	6.09	23.5	.9	9.4	1.6	247	.4	11.3	<.1	285	6.33	.285	13	7.8	1.04	164	.145	27	3.39	1.320	.27	.1	.11	10.3	.1	<.05	9	.6
42507	.9	142.2	198.6	673	1.3	5.4	23.8	2293	5.90	23.9	.8	4.6	1.5	252	.2	9.1	<.1	269	5.30	.254	13	6.3	1.18	129	.149	20	3.58	1.586	.15	.1	.13	9.3	.1	<.05	10	.8
42508	1.1	827.1	110.0	1244	3.8	6.1	19.5	1960	5.89	22.0	.9	4.2	1.7	243	.4	13.4	.1	251	5.01	.261	14	8.3	.74	589	.133	23	1.89	.276	.31	.3	.27	6.5	.1	<.05	7	.6
42509	.8	100.4	9.6	85	.2	10.6	21.1	978	5.47	14.1	.8	1.7	1.5	346	.1	.2	<.1	255	2.48	.283	12	29.8	1.14	95	.184	12	4.04	2.031	.08	.2	.02	3.2	<.1	<.05	11	<.5
42510	.7	246.3	16.8	168	.5	42.7	28.1	1214	4.61	14.9	.4	1.2	.9	154	.1	1.4	<.1	181	3.71	.166	7	83.2	1.98	128	.070	12	2.77	.901	.15	.2	.07	8.3	<.1	<.05	8	<.5
42511	.6	38.9	13.4	96	.1	11.3	29.0	1231	4.00	27.5	.6	3.7	1.8	199	.1	.7	.1	205	6.72	.320	15	17.2	1.42	59	.084	16	3.66	1.837	.15	.2	.02	6.8	<.1	<.05	9	<.5
42512	.4	47.2	14.2	78	.1	6.2	18.0	1863	4.07	19.8	.5	3.5	1.6	188	.1	3.2	.1	174	8.23	.261	14	10.7	.86	62	.068	14	3.36	1.814	.19	.1	.03	6.8	.1	<.05	7	<.5
42513	.4	72.4	26.4	94	.1	3.6	22.7	1532	4.66	17.1	.7	14.9	2.2	186	.1	1.2	<.1	182	6.65	.307	19	5.6	1.36	55	.051	13	3.97	2.419	.15	.2	.01	3.2	.1	<.05	10	<.5
42514	.3	242.1	38.5	155	.2	1.7	15.9	1478	3.68	14.5	.9	1.8	2.3	193	.4	.8	<.1	120	6.31	.321	19	<1	.87	36	.026	16	2.73	1.214	.24	.2	.03	3.2	.1	<.05	6	<.5
42515	.5	2391.7	68.1	824	2.0	1.2	17.1	2398	3.59	13.6	.9	1.6	2.1	169	.4	1.2	<.1	130	5.76	.320	19	1.3	1.22	56	.029	17	3.33	1.570	.17	.3	.06	3.6	<.1	<.05	8	<.5
42516	.6	157.1	64.0	576	2.8	.5	17.2	2148	3.50	14.1	.9	4.7	2.2	154	.1	1.0	<.1	120	4.40	.330	20	<1	1.29	53	.040	22	4.12	2.572	.17	.1	.18	3.8	.1	<.05	8	<.5
42517	.4	1706.6	68.1	391	1.4	.5	13.5	2492	3.19	18.3	.9	.9	2.2	128	.8	1.0	<.1	105	4.98	.292	18	<1	1.55	43	.093	18	4.60	2.987	.11	.2	.08	3.7	<.1	<.05	8	<.5
42518	.3	628.9	63.1	608	.4	.5	15.5	2443	3.30	22.8	.9	2.0	2.2	128	.2	1.1	<.1	95	4.34	.304	19	<1	1.70	44	.111	15	4.56	3.258	.10	.2	.09	3.4	<.1	<.05	9	<.5
42519	.7	450.8	46.1	512	.5	<.1	17.3	2022	3.62	20.9	1.1	2.3	2.7	177	.1	.8	<.1	140	3.02	.346	22	<1	1.24	71	.067	26	4.37	3.189	.16	.2	.07	2.8	.1	<.05	9	<.5
42520	1.4	65.3	42.6	154	.5	.5	20.0	1540	4.91	10.2	1.4	2.6	2.8	282	.1	.5	<.1	199	2.49	.345	20	<1	1.18	103	.064	30	4.56	3.023	.15	.1	.05	2.2	.1	<.05	10	<.5
RE 42520	1.4	70.9	44.7	170	.6	.3	21.0	1557	4.99	11.6	1.5	2.0	2.9	296	.1	.5	<.1	200	2.52	.359	20	<1	1.19	105	.065	29	4.58	2.994	.16	.1	.05	2.4	.1	<.05	11	<.5
RRE 42520	1.5	78.9	45.2	164	.5	.3	20.1	1564	4.99	11.0	1.4	2.2	2.9	292	.1	.5	<.1	203	2.56	.328	20	1.0	1.18	103	.068	30	4.55	2.857	.15	.1	.05	2.2	.1	<.05	10	<.5
42521	.4	57.9	37.0	109	.1	.6	17.5	1502	3.62	20.3	.9	1.0	2.2	148	<.1	.3	<.1	116	4.67	.276	18	<1	1.08	49	.082	16	4.20	2.514	.12	.1	.04	3.3	.1	<.05	8	<.5
42522	.5	300.8	29.1	92	.1	.3	17.8	1409	3.56	14.6	.9	2.2	2.4	192	.2	.3	<.1	122	4.04	.311	20	1.0	1.15	54	.101	19	4.37	3.073	.13	.2	.05	3.3	.1	<.05	9	<.5
42523	1.0	741.3	52.3	89	.3	.5	19.8	1446	4.89	7.7	1.3	2.2	2.7	198	15.2	.3	<.1	228	2.84	.299	19	<1	1.13	79	.058	25	4.75	3.047	.14	.1	.04	2.0	.1	<.05	10	<.5
42524	1.0	744.9	28.4	95	.2	.3	18.9	1238	4.08	12.0	1.3	2.6	2.9	195	.7	.4	<.1	199	2.96	.328	21	1.8	1.16	68	.072	26	4.68	3.354	.16	.1	.04	3.0	.1	<.05	10	<.5
42525	1.3	99.5	22.8	112	.2	.4	22.1	1541	5.09	10.4	1.4	3.7	2.9	417	.2	.4	<.1	202	3.20	.324	20	1.0	1.13	75	.065	22	4.94	2.957	.17	.1	.03	2.2	.1	<.05	12	<.5
42526	.8	97.1	34.1	96	.2	.3	17.1	1251	3.67	16.6	1.3	3.4	2.6	289	.1	.5	<.1	147	3.28	.328	20	1.3	.90	69	.065	27	4.91	3.454	.18	.2	.02	2.3	.1	<.05	11	<.5
42527	1.1	183.2	5.7	73	.1	.5	19.4	1279	4.98	12.4	1.3	2.8	2.7	520	.2	.3	<.1	197	2.47	.328	19	<1	.94	62	.069	30	4.80	2.840	.15	.2	.01	1.7	<.1	<.05	12	<.5
42528	1.2	202.5	4.5	72	.1	.6	19.2	1185	4.79	16.3	1.2	2.1	2.6	688	.1	.3	<.1	185	2.56	.324	17	1.5	.79	65	.070	25	4.66	2.366	.15	.2	.01	1.0	<.1	<.05	12	<.5
42529	1.6	173.7	5.0	77	.1	.6	20.9	1305	5.06	22.3	1.3	3.5	2.8	627	.1	.4	<.1	191	2.90	.340	19	1.4	.84	73	.062	26	4.47	2.139	.15	.2	.09	1.2	.1	<.05	11	<.5
42530	1.4	79.9	16.7	111	.7	.5	22.5	1371	5.19	21.1	1.4	4.0	3.0	388	.1	.6	<.1	199	2.99	.369	21	1.5	1.14	81	.052	31	4.50	3.019	.19	.2	.21	3.1	.2	.06	12	<.5
42531	1.1	59.7	17.7	91	.4	104.7	26.6	1316	4.97	15.0	1.2	2.3	2.6	356	.1	.4	<.1	181	2.68	.270	16	19.1	2.18	170	.105	19	3.88	2.027	.25	.2	.13	2.5	.1	<.05	11	<.5
42532	1.1	72.9	12.9	82	.2	133.7	27.6	1337	5.07	12.0	1.1	2.5	2.6	367	.1	.4	<.1	179	2.37	.295	16	23.2	2.45	157	.106	20	4.00	2.051	.24	.2	.13	2.4	.1	<.05	11	<.5
STANDARD DS4	6.6	121.3	30.8	149	.2	34.9	11.8	810	3.22	23.1	6.4	28.1	3.6	27	5.7	4.9	5.3	72	.52	.092	15	146.6	.58	141	.083	<1	1.65	.028	.14	4.1	.26	3.5	1.2	<.05	6	1.3

GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 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: CORE R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: FEB 24 2003 **DATE REPORT MAILED:** March 5/03 **SIGNED BY.** C. T. D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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
42533	1.2	94.9	10.2	83	.1	1.0	20.5	1319	5.04	7.7	1.3	4.1	2.4	472	.2	.4	.1	182	3.99	.329	21	1.3	.91	65	.044	22	4.63	2.276	.16	.1	.02	1.8	.1	<.05	12	<.5
42534	1.4	85.7	11.9	81	.1	.5	19.1	1235	5.01	7.9	1.2	3.7	2.5	679	.1	.5	<.1	177	2.72	.322	19	1.6	.90	65	.062	22	4.42	1.992	.17	.2	.02	1.4	<.1	<.05	12	<.5
42535	1.5	82.6	12.1	81	.4	.3	18.1	1388	5.03	11.7	1.3	4.2	2.5	646	.1	.5	<.1	184	3.10	.316	18	1.0	.92	63	.082	17	4.35	1.822	.16	.1	.04	1.2	<.1	<.05	12	<.5
42536	1.9	105.9	9.8	81	.2	.4	19.7	1268	5.05	12.4	1.2	3.2	2.6	636	.1	.5	<.1	185	2.44	.334	18	1.7	.86	60	.101	20	4.36	2.104	.16	.1	.03	1.2	<.1	<.05	12	<.5
42537	1.4	70.4	10.5	83	.1	.1	19.5	1185	4.86	8.6	1.2	5.1	2.4	494	.1	.4	<.1	185	2.52	.320	18	1.3	.90	60	.076	22	4.07	2.220	.19	.1	.04	1.6	.1	<.05	11	<.5
42538	1.5	55.8	15.1	99	.2	.9	18.2	1149	5.14	6.7	1.1	3.6	2.2	286	.2	.7	<.1	183	3.02	.285	17	5.4	.90	74	.057	23	4.00	2.002	.27	.1	.04	2.0	.1	<.05	9	<.5
42539	.4	42.1	32.3	126	.3	1.6	19.0	1412	4.78	9.3	.8	4.6	1.6	208	.2	1.2	<.1	157	6.63	.317	16	1.8	.91	41	.040	21	2.73	.893	.32	.1	.04	4.4	.1	<.05	8	<.5
42540	.3	46.3	37.0	167	.1	2.0	21.5	1518	4.95	7.4	.7	4.3	1.3	181	.2	1.0	.1	157	6.62	.345	15	2.4	.97	40	.052	24	3.06	1.227	.27	.2	.03	6.6	.1	<.05	9	<.5
42541	.5	43.8	40.0	151	.1	2.5	24.9	1726	6.03	8.4	.7	4.3	1.3	189	.2	2.1	<.1	205	6.08	.362	17	2.2	1.04	52	.071	21	3.95	1.900	.26	.1	.02	7.6	.1	<.05	10	<.5
42542	.8	45.1	44.3	113	.1	1.7	24.3	1461	5.97	8.1	.8	4.3	1.3	194	.2	1.5	<.1	209	4.60	.355	15	2.0	1.11	56	.070	23	3.75	2.034	.18	.1	.03	5.5	.1	<.05	11	<.5
42543	.4	77.6	41.5	124	<.1	1.8	23.4	1727	5.31	11.0	.8	3.2	1.3	153	.1	1.2	<.1	179	5.44	.356	15	2.4	1.31	57	.139	19	4.87	3.261	.17	.1	.02	7.8	.1	<.05	11	.5
42544	.4	69.6	32.5	147	.1	1.4	19.6	1654	4.23	9.9	1.0	4.3	1.5	165	.2	.8	<.1	124	5.17	.305	14	2.4	1.48	37	.121	18	3.85	2.143	.16	.2	.03	5.8	.1	<.05	10	<.5
42545	.8	104.3	9.8	78	<.1	1.6	22.2	1238	4.93	11.7	.7	4.5	1.3	265	.2	.5	<.1	184	2.83	.348	13	3.7	1.16	62	.111	19	4.26	2.710	.13	.1	.03	3.2	.1	<.05	11	<.5
42546	1.2	158.8	3.8	69	.1	1.3	23.4	1255	5.46	18.8	.8	3.6	1.3	313	.1	.4	<.1	205	2.55	.382	14	3.0	1.09	62	.112	21	4.08	2.616	.12	.1	.01	2.7	<.1	<.05	10	.6
42547	1.2	182.0	4.5	77	.1	.7	23.7	1324	5.60	17.0	.8	5.9	1.6	389	.1	.4	<.1	204	2.21	.398	15	2.2	1.03	71	.129	21	3.97	2.402	.12	.1	.02	2.0	<.1	<.05	12	.5
42548	1.6	194.2	4.4	80	.1	1.2	22.7	1318	5.50	15.6	.8	4.7	1.6	330	.2	.4	<.1	186	2.14	.368	15	2.3	.97	77	.126	21	3.63	2.004	.13	.1	.03	1.5	<.1	<.05	10	<.5
42549	1.2	95.5	4.4	93	.1	1.2	24.8	1404	5.87	17.3	.8	4.1	1.5	336	.1	.3	<.1	210	2.52	.360	15	2.2	1.00	69	.220	27	4.29	2.581	.14	.1	.02	1.8	<.1	<.05	12	.5
42550	1.7	355.4	4.8	102	.2	2.0	27.1	1452	6.15	17.1	.9	5.4	1.4	530	.1	.3	<.1	250	2.83	.381	14	6.1	1.09	79	.285	34	4.64	2.477	.13	.1	.02	1.5	<.1	<.05	14	.5
RE 42550	1.7	342.1	4.8	90	.2	2.2	27.0	1409	5.95	16.2	.8	5.0	1.4	524	.1	.3	<.1	240	2.71	.386	16	6.6	1.05	88	.266	35	4.45	2.451	.13	.2	.03	1.5	<.1	<.05	13	.5
RRE 42550	1.4	312.6	6.3	93	.1	2.0	25.0	1405	6.02	15.9	.9	5.4	1.4	576	.1	.3	<.1	242	2.86	.378	14	4.9	1.05	79	.273	31	4.58	2.552	.12	.1	.03	1.5	<.1	<.05	12	.5
42551	2.0	225.7	4.3	90	.1	1.0	23.5	1304	5.79	20.1	1.0	6.4	1.6	530	.1	.2	<.1	213	2.17	.370	14	4.1	.95	75	.219	29	4.15	2.271	.12	.1	.02	1.2	<.1	<.05	12	<.5
42552	1.5	375.4	4.5	81	.1	1.5	25.4	1539	6.32	14.0	.9	7.2	1.6	677	.1	.2	<.1	229	3.23	.405	17	2.5	1.06	80	.169	226	5.05	2.712	.10	.1	.02	1.7	<.1	<.05	16	.5
42553	1.2	159.9	4.1	78	.1	1.0	24.0	1277	5.49	15.1	.9	5.7	1.5	496	.1	.3	<.1	203	2.68	.363	15	2.6	.82	67	.135	57	4.52	2.663	.09	.1	.01	1.5	<.1	<.05	12	<.5
42554	1.1	171.4	8.5	78	.1	2.1	25.1	1504	5.80	14.3	.9	3.5	1.5	277	.1	.4	<.1	226	3.28	.424	15	2.3	1.12	65	.177	23	4.09	2.665	.09	.1	.03	3.2	<.1	<.05	11	<.5
42555	.5	71.6	13.2	87	<.1	1.2	22.5	1485	4.62	34.5	.9	3.8	1.4	121	.1	.6	<.1	150	3.82	.361	15	2.5	1.28	35	.213	19	4.92	3.861	.10	.2	.02	4.6	<.1	<.05	11	<.5
42556	.4	84.8	11.3	78	<.1	1.3	23.1	1417	4.88	35.6	.9	3.8	1.5	129	.1	.7	<.1	179	2.58	.378	16	3.0	1.38	43	.223	23	4.72	3.427	.17	.2	.01	3.7	<.1	<.05	11	.5
42557	.5	79.3	10.3	88	<.1	1.2	23.1	1468	5.14	33.5	1.0	5.2	1.7	128	<.1	.7	<.1	197	2.87	.326	16	2.3	1.55	46	.213	28	4.95	3.315	.18	.2	.01	3.5	<.1	<.05	13	<.5
42558	.4	59.3	13.8	86	<.1	2.1	26.0	1353	5.34	33.4	.9	3.0	1.4	124	.1	.7	<.1	206	3.02	.360	16	3.1	1.45	45	.206	28	4.89	3.598	.14	.2	.03	4.0	<.1	<.05	12	<.5
42559	.5	43.6	24.7	95	.2	1.6	26.6	1613	5.65	27.9	.9	4.5	1.5	130	.3	.8	<.1	222	3.93	.344	16	2.8	1.70	46	.215	33	5.09	3.816	.11	.2	.03	5.4	<.1	<.05	13	.5
42560	.6	30.0	46.1	132	.2	2.0	31.0	1700	6.57	32.3	.7	4.5	1.6	152	.2	.9	.1	236	4.45	.369	17	3.0	1.81	37	.225	21	5.73	4.332	.07	.3	.02	5.7	<.1	<.05	17	<.5
42561	.4	33.8	28.7	106	.3	1.2	24.1	1362	4.98	28.2	.7	2.3	1.6	133	.1	.6	.1	177	5.26	.311	16	1.3	1.15	33	.175	15	5.35	4.022	.06	.2	.03	6.4	<.1	<.05	12	<.5
42562	.6	22.8	49.8	103	.2	1.1	24.4	1356	5.20	45.8	.7	3.7	1.7	141	.1	.9	.6	184	5.07	.342	17	1.4	1.22	44	.156	14	5.66	4.589	.08	.2	.03	5.1	.1	<.05	13	<.5
42563	1.2	14.6	147.9	174	<.1	1.8	32.2	1834	7.13	72.0	.6	7.0	2.0	220	.2	2.0	.1	261	4.42	.398	20	2.4	1.63	56	.230	43	6.35	4.843	.29	.3	.04	5.9	.2	<.05	16	.8
42564	.7	41.9	110.2	361	.4	1.8	31.6	1912	6.21	44.3	.6	7.6	1.8	152	.2	1.2	<.1	216	4.01	.343	17	2.0	1.86	44	.279	23	5.75	4.324	.11	.3	.05	5.9	<.1	<.05	15	.6
STANDARD DS4	6.3	122.3	29.5	153	.3	34.3	11.9	827	3.26	22.5	6.1	27.4	3.6	28	5.6	4.7	5.2	73	.54	.088	17	166.6	.58	141	.094	1	1.69	.028	.16	3.7	.26	3.6	1.1	<.05	6	1.2

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

Data A FA ___

ACME ANALYTICAL

Crest Geological Consulting PROJECT 195 FILE # A300521

ACME ANALYTICAL

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
42565	.6	49.3	72.8	334	.5	.8	24.8	1786	4.28	28.0	.7	6.7	2.0	132	.2	.9	.1	147	4.45	.318	14	1.6	1.65	39	.147	19	6.01	3.545	.06	.2	.07	5.0	.1	.08	13	<.5
42566	.6	47.4	74.8	477	.2	1.0	22.6	2018	4.66	19.4	.6	3.6	1.7	145	.1	.7	<.1	156	6.07	.301	14	1.3	1.53	37	.125	14	6.04	3.433	.05	.2	.05	5.5	.1	<.05	11	<.5
42567	.4	39.7	69.2	383	.1	.2	17.2	1627	3.32	26.9	.4	1.5	1.9	195	.2	.6	<.1	150	6.16	.307	15	1.1	.92	30	.054	16	4.20	2.747	.05	.3	.02	6.5	.1	<.05	7	<.5
42568	1.0	113.7	60.3	233	.4	<.1	20.9	1939	4.60	16.4	.8	4.6	2.1	415	.1	.6	<.1	224	4.26	.338	16	1.1	1.02	64	.119	25	5.91	3.438	.05	.1	.06	3.5	.1	<.05	13	<.5
42569	1.4	88.2	27.8	153	.6	.9	25.5	1584	5.58	8.6	1.0	7.1	2.1	489	.1	.3	<.1	234	2.58	.351	15	1.7	1.04	64	.313	172	6.48	3.698	.05	.2	.10	2.0	.1	<.05	17	<.5
42570	1.4	396.9	6.5	120	.2	.2	27.1	1629	5.59	13.1	1.1	7.6	2.4	692	.2	.2	<.1	232	2.47	.388	16	1.1	.83	69	.358	47	6.50	3.234	.05	.1	.04	1.1	<.1	<.05	16	<.5
42571	1.1	332.4	6.3	120	.1	.3	23.9	1678	5.74	12.5	1.3	6.8	2.5	485	.2	.2	<.1	246	2.14	.374	15	1.8	1.08	80	.360	35	6.41	3.424	.07	.1	.02	1.2	.1	<.05	16	<.5
42572	1.3	163.5	11.2	128	.3	.7	27.5	1715	5.81	13.4	1.1	8.1	2.2	327	.2	.4	<.1	267	2.58	.370	15	1.1	1.25	91	.303	29	6.31	3.524	.10	.1	.15	1.7	.2	<.05	15	<.5
42573	1.2	89.5	8.2	105	.2	.5	21.6	1672	5.21	10.2	1.2	4.4	2.4	236	.2	.4	<.1	210	2.56	.288	17	2.4	1.26	90	.261	25	5.70	3.070	.22	.2	.06	1.7	.1	<.05	13	<.5
42574	.9	85.7	7.8	96	.1	85.8	26.7	1408	5.09	12.6	.8	1.4	2.5	232	.1	.3	.1	207	1.75	.231	15	17.9	2.50	200	.205	136	4.77	1.986	.47	.1	.06	3.3	.2	<.05	15	.7
42575	.9	77.2	4.4	69	.1	322.7	35.3	797	4.60	3.4	1.0	.7	3.6	404	.1	.1	.1	166	1.10	.153	9	66.3	4.40	528	.282	16	2.66	.401	.71	.5	.03	3.2	.3	<.05	8	<.5
42576	1.0	158.9	6.1	97	.1	104.5	26.0	1223	4.89	6.0	.9	4.4	2.6	231	.1	.2	<.1	179	1.50	.232	14	19.9	2.39	231	.170	12	3.89	1.568	.53	.1	.03	2.7	.1	<.05	12	<.5
42577	.7	83.4	11.2	108	.1	1.4	23.0	1633	5.38	24.3	.7	8.0	2.2	158	.1	.6	<.1	211	2.29	.265	17	3.5	1.62	55	.210	24	6.36	3.778	.16	.2	<.01	2.3	.1	<.05	12	<.5
42578	.6	1810.5	16.6	103	.4	2.2	21.3	1825	5.33	30.1	.7	3.3	2.1	129	.2	.7	<.1	224	4.80	.215	17	3.9	1.22	58	.216	25	6.52	4.019	.14	.2	.06	3.3	.1	<.05	13	.5
RE 42578	.6	1814.5	17.2	107	.4	2.5	23.7	1839	5.40	32.4	.7	5.0	2.2	123	.2	.6	<.1	227	4.88	.231	16	3.8	1.25	59	.218	25	6.54	4.148	.15	.4	.05	3.5	.1	<.05	13	.5
RRE 42578	.5	1966.3	16.1	97	.4	2.0	21.3	1849	5.42	30.2	.7	3.5	2.1	132	.2	.7	<.1	229	4.92	.223	17	3.6	1.22	55	.213	25	6.55	4.158	.13	.3	.06	3.2	.1	<.05	11	.6
42579	.9	46.4	12.9	117	.1	3.8	21.2	1630	4.98	13.5	.7	3.6	2.0	100	.3	.7	<.1	176	2.70	.212	17	5.4	.80	52	.244	17	5.16	3.481	.08	.2	.01	2.6	<.1	<.05	12	<.5
42580	1.3	93.3	11.8	132	.1	1.8	18.3	2020	4.47	8.9	.6	1.7	1.8	92	.1	.4	<.1	158	1.75	.200	15	3.2	1.08	36	.320	17	4.18	2.379	.09	.2	.03	1.7	<.1	<.05	11	<.5
42581	.8	52.8	38.7	188	.1	1.1	19.6	2248	4.75	18.1	.8	2.9	1.7	107	.2	1.0	<.1	169	3.46	.204	17	4.0	1.40	35	.277	14	6.05	3.501	.08	.2	.02	3.5	<.1	<.05	14	<.5
42582	.5	365.9	42.0	124	.1	1.9	20.4	2420	5.01	18.7	.9	5.3	1.9	95	.1	1.3	<.1	177	3.83	.202	18	6.2	1.49	36	.256	16	6.08	3.709	.08	.3	.02	4.9	<.1	<.05	13	<.5
42583	.3	1130.4	67.2	165	.2	1.9	15.2	1300	4.38	26.8	.9	5.5	1.7	97	.2	1.1	<.1	151	7.92	.183	17	6.3	1.12	28	.092	12	5.38	3.637	.06	.4	.02	3.2	<.1	<.05	8	<.5
42584	.4	45.1	47.0	181	.1	1.7	17.8	1744	4.38	15.2	.6	2.0	1.9	113	.2	1.0	<.1	147	4.52	.200	17	7.5	1.24	27	.181	14	5.33	3.393	.08	.2	.01	4.6	<.1	<.05	10	<.5
42585	.6	56.7	38.2	175	.1	1.3	19.2	2092	4.83	12.8	.7	2.7	1.9	114	.1	1.1	<.1	174	3.46	.221	18	4.3	1.26	31	.269	15	5.74	3.961	.08	.3	.02	4.0	<.1	<.05	12	<.5
STANDARD DS4	6.5	125.6	30.8	157	.2	33.5	11.7	795	3.05	22.1	6.1	29.0	3.4	26	5.3	4.7	5.0	73	.54	.084	15	161.2	.58	140	.080	1	1.69	.029	.14	4.0	.26	3.5	1.1	<.05	6	1.2

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

Data A FA

5803000m N
5802000m N
5801000m N
5800000m N
5799000m N
5798000m N

Bird Drop Showing Area

RP02-3(-80°) 99.97m
RP02-4(-55°) 105.06m
RP02-1(-55°) 252.87m
RP02-2(-80°) 148.74m

Section-02
Section-01
Section-03
Section-04

Boulder Showing Area

RP03-6(-50°) 45.11m
RP03-7(-55°) 157.89m
RP02-5(-75°) 200.56m

Beaver Creek
Gravel Creek
Finger Lake
Abbott Lake
Beaver Valley Road
Horsefly
Williams Lake

PD 1 PD 2
PD 3 PD 4

600000m E
601000m E
602000m E
603000m E
604000m E

CREST Geological

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

27,121

SYMBOLS

RP02-01
RP03-06
2002 Drill Holes: Hole Number (dip) Length
2003 Drill Holes: Hole Number (dip) Length

N

0 500 1000
Metres

phelps dodge Corp. of Canada, Ltd.

Project No.: 195 — Cariboo Mining Division

Dot Com Project

2002-2003 DRILL PLAN MAP

Rim Property

SCALE	DATE	BY	NTS NO.	FIGURE
1:10000	Mar/03	CWP	93 A/5,6 93 A/033	4