DIAMOND DRILLING REPORT
on the
HIGHLAND VALLEY COPPER
GETTY COPPER OPTION

WOODS CREEK AREA

KAMLOOPS MINING DIVISION
NTS 92I/11E

Latitude 50° 37' **Longitude 121° 10'**

For

HIGHLAND VALLEY COPPER
BOX 1500
LOGAN LAKE, BC
V0K 1W0

Report by

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661 GARNET ROAD,
KAMLOOPS, BC, V2B 6K2

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September 14th, 2004

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1.0 INTRODUCTION

During the period May-June, 2004, a program of trail building, drill site preparation and diamond drilling was carried out by Highland Valley Copper on mineral claims optioned from Getty Copper Inc. The mineral claims on which the diamond drilling program was carried out are situated approximately 17 kilometres northwest of the Highland Valley Copper mill site. Access to the work area is from the Woods Creek forest service road which proceeds north from Hwy 97C between the minesite and Ashcroft. An extensive network of subsidiary logging roads and trails provided further access. The elevations on the property increase rapidly going north with most areas being between 1400 and 1800 metres above sea level. Tree cover consists mainly of lodgepole pine with increasing stands of spruce and fir at higher elevations. The area has been extensively logged with a good residual network of roads and trails to expedite access for mineral exploration. Figure 1 shows the general location of the Getty and Highland Valley Copper properties and Figure 2 shows the position of the drill holes relative to the claim boundaries.

The objective of the drilling program was to test for large tonnage, porphyry type, copper sulfide mineralization within the program area. The locations of the diamond drill holes were determined from analysis of earlier induced polarization geophysical surveys and property geology. Five NQ diamond drill holes were completed for a total of 1046 metres of drilling. The work described in this technical report was applied to the Getty Copper mineral claims under Statement of Work No. 3212819, filed June 30th, 2004.

2.0 PROJECT DESCRIPTION AND FIELD WORK

Based on the analysis of induced polarization results from previous Getty Copper geophysical surveys, a number of locations were selected to test areas of higher IP response.

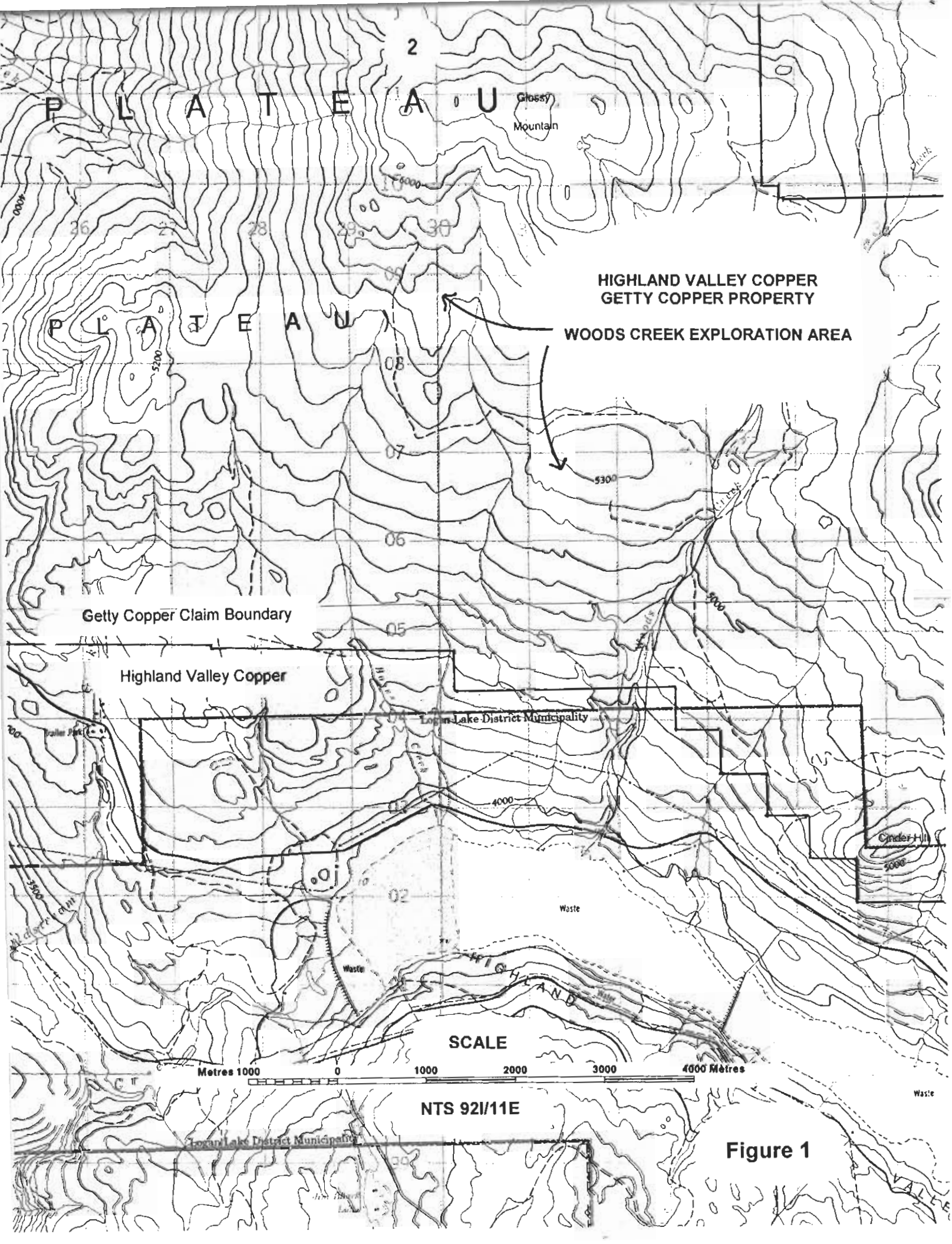
PLATEAU
Glossy
Mountain
PLATEAU
HIGHLAND VALLEY COPPER
GETTY COPPER PROPERTY
WOODS CREEK EXPLORATION AREA
Getty Copper Claim Boundary
Highland Valley Copper
Logan Lake District Municipality
Trailer Park
Cinder Hill
Waste
Waste
HIGHLAND
SCALE
Metres 1000 0 1000 2000 3000 4000 Metres
NTS 92I/11E
Logan Lake District Municipality
Waste
VALLEY

Figure 1

The drill hole sites were located according to stations on the grid lines established for the IP surveys. These locations were then surveyed using global positioning equipment to obtain UTM northings and eastings on the NAD 83 datum. Drill hole numbers and coordinates are as follows:

Drill Hole No.	Northing	Easting
G2004-01	5610200	630450
G2004-02	5608465	631200
G2004-03	5609058	629715
G2004-04	5607010	632060
G2004-04A	5607010	632060

The proposed drill sites were in forested areas somewhat removed from existing roads and trails. Cinder Mountain Contracting Ltd. of Lower Nicola, BC, was retained to construct the exploration access trails, log and remove marketable timber, and prepare the drill pads. Access trail construction commenced on May 6th, 2004, and continued to the end of May. A total of 2.4 kilometres of access trail, 3.5 metres wide, was constructed, 1.6 kilometres of which consisted of establishing trails across cut blocks and 0.8 kilometre requiring logging operations, skidding logs, and trail preparation. Four drill sites, each approximately 20m by 30m in dimensions, were also logged and prepared. This work required the use of two fallers, a skidder, a wheeled loader, and a tracked excavator. Logs were skidded to landings along existing roads for later pick-up.

3.0 DIAMOND DRILLING PROGRAM

A Boyles 56 skid mounted diamond drill operated by Leclerc Drilling Ltd. of Cranbrook, BC, was mobilized to the Woods Creek exploration area on May 11th, 2004. Drilling commenced on May 13th and continued until June 5th, 2004, when the drilling equipment was removed from the area. Drilling operations were carried out utilizing two 10 hour shifts per day with the crews residing in Logan Lake. A total of 1046 metres of drilling was completed in five holes.

Drill holes completed were;

DDH	Length(m)	Dip(°)	Az(°)
G2004-01	251.76	-90	
G2004-02	244.75	-60	225
G2004-03	251.76	-60	135
G2004-04	97.54	-60	270
G2004-04A	200.25	-90	

The initial hole drilled was G2004-04, collared on May 13th, 2004. This hole encountered severely faulted ground and could not be completed to designed depth. Consequently a vertical hole (G2004-04A) was collared on the same site and completed to a depth of 200.25 metres. Subsequent holes drilled, in chronological order, were G2004-03, G2004-02, and G2004-01. Drill holes completed were at increasingly higher elevations and were accessed as weather conditions permitted. All core was delivered to the Highland Valley Copper mine site for analysis and sampling.

At the mine site, all core was photographed and logged in detail for geology, mineralogy, recovery and some geotechnical characteristics. All logging information was entered in a computer database and printed copies of the logs were generated. Copies of these geological logs are included in Appendix A of this report. Once logging of the core was completed, all core identified as having sulfide mineralization, or other features of interest, was split at the mine site. Half the core was returned to the labelled core boxes for reference and follow-up. The other half was bagged for chemical analysis. All drill core from this program is stored at the Highland Valley Copper mine site.

4.0 ANALYTICAL PROCEDURES

All core with sulfide content or notable alteration features was split at the Highland Valley Copper logging facility. Half the core was returned to the labelled core boxes for storage. The remaining split core was bagged in three metre sample lengths of approximately 7 kg each and shipped to the TeckCominco Global Discovery Laboratory in Vancouver for analysis.

At the lab, the sample core was dried, then coarse crushed to minus 6mm and fine crushed to minus 2mm size. The samples were then split in a Jones Riffler to produce a subsample of 250-300g. This split fraction was then run in a Rock Labs ring and puck mill until a final product was produced with 95% minus 150 mesh (100 microns). The reject was stored and the pulp archived.

For the ICP analysis, a 5g sample of the pulp was digested in aqua regia on a sand bath at 95 C for 3 hours, shaking every 20-30 minutes. The sample was then diluted and mixed on a vortex. The resulting analyte was then analyzed on a I.C.P. unit to produce a 28 multi-element package. Standard quality control procedures were followed.

For the gold analysis, each 5g sample was roasted for 1 hour at 625 C. The sample was then digested in aqua regia followed by solvent extraction of the gold in 2, 6-Dimethyl-4-heptanone (DIBK). This sample was then analyzed by Atomic Absorption. For quality control purposes, every 25 samples included 3 sample repeats and 2 in-house and/or commercial standards.

The results were reported to Highland Valley Copper. Analytical values from the lab for all five drill holes in this program are included in Appendix B of this report.

5.0 DISCUSSION OF DRILLING RESULTS AND CONCLUSIONS

Five NQ diamond drill holes were completed at four locations in this program. The drilling project area is located in the northwest portion of the Guichon Batholith. Triassic age intrusive rocks of the Border Phase unit of the Guichon Batholith underlie much of this area (McMillan, 1985). To the north and east overlapping Eocene volcanics and sediments of the Kamloops Group are exposed. To the west and northwest, late Triassic Nicola Group volcanics outcrop in a northerly trending belt (Monger, 1989). The drilling program intersected all of these rock types or their intensely altered equivalents.

All the holes were drilled to test induced polarization chargeability anomalies obtained in previous exploration programs. The objective of the drilling program was to test for large tonnage, porphyry type sulfide mineralization, ideally hosted by batholithic rocks. DDH G2004-01 (N5610200-E630450) was the most northerly hole in the program and was located on the west flank of Glossie Mountain. The drill hole intersected a thick sequence of interlayered Tertiary volcanics and sediments. The volcanics are grey-black to oxidized red brown andesite-basalt flows with some vesicular flow top features. The sediments appear to be primarily of volcanic derivation, consisting largely of thin-bedded sediments, some carbonaceous or coaly seams, as well as ash and tuff layers. Underlying the Tertiary package were altered Nicola Volcanics which become increasingly metasomatized and silicified with depth. Below 228m, the core displayed intense hornfels metasomatism and silicification. The Nicola section contains significant pyrite sulfide mineralization starting at 1-2% pyrite in higher intervals increasing to 3-5% in the intensely altered section below 228m. The IP response in the vicinity of this drill hole could be attributed both to the pyrite content in altered Nicola rocks and/or to some of the layered clay-rich Tertiary sediments.

DDH G2004-02 (N5608465- E631200) was sited in the southeast section of the project area. This hole encountered a more typical assemblage for this part of the batholith. Rocks consisted of fine-grained grey-green diorites of the Border Phase intermixed with blocks of dark grey-green massive Nicola Volcanics. Both diorites and volcanics showed

some degree of propylitic alteration. The Nicola rocks would represent pieces of a roof pendant stoped out by intruding batholith rocks. These rocks were moderately to strongly magnetic. The most unique aspect of this hole is the development of an intense propylitic alteration assemblage in the 103-131m interval within Nicola rocks. This zone is characterized by strong epidote, calcite, chlorite, pyrite, and especially specularite hematite mineralization. The high Fe assays for this interval reflect the specularite content. This intensely propylitized zone with strong specularite and pyrite mineralization is associated with and appears conformable with flow top features in the volcanics. A short interval of similar material occurs from 201-210m. The core contained pyritic sulfides over the entire length, averaging better than 2%, and reaching up to 5% pyrite over extended intervals which could explain the IP chargeability response here.

DDH G2004-03 (N5609058-E629715) intersected intensely altered rock with strong hornfels metasomatism. Much of the rock is silicified consisting mainly of fine-grained grey quartz and brown biotite. The cored rock usually displays a foliation defined by the brown biotite laminae accompanied by significant pyritic sulfide mineralization. The sulfides appear to be almost exclusively pyrite and this is reflected in the analytical results. The rocks intersected in this hole are considered to be intensely metasomatized and silicified Nicola volcaniclastics or sediments as well as more massive volcanics. Pyrite content reaches 10% over significant intervals in this hole. This drill hole is located on the western side of the project area. The rocks intersected in this hole were the most intensely metasomatized and contained the highest percentage of sulfide mineralization of all the holes in the program, suggesting an alteration and mineralization vector of increasing intensity to the west.

DDH G2004-04 and G2004-04A (N5607010-E632060) were drilled at the same location. The initial hole was lost at 97.54m drilling to the west at –60 degrees and G2004-04A was then drilled vertically at the same site to a depth of 200.25m. The holes intersected Nicola volcanics and metasediments, all displaying varying degrees of hornfels metasomatism. The rocks are predominantly grey-green plagioclase-phyric andesitic

volcanics. Altered sections contain chlorite-magnetite-biotite rich patches and clots, in some areas displaying a crude foliation with the long axes aligned. The rocks are very magnetic. Sulfides as pyrite can range up to 5%. Some intervals in G2004-04 consist of an intensely altered and foliated rock with an almost "gneissic" fabric in places. It has a banded appearance with dark green chlorite rich bands or seams separated by light colored quartz or plagioclase rich material and may be a recrystallized sedimentary unit. These intervals have strong pyrite mineralization up to and exceeding 5%. The rocks intersected in these two drill holes are part of a large altered Nicola roof pendant similar to rocks mapped immediately to the south of this area by Oliver (2001). The IP response here can probably be credited to the sulfide and/or magnetite content.

The drill holes in this program were drilled in an area of mainly Nicola volcanic and sedimentary rocks that have undergone varying degrees of hornfels metasomatism. Significant intrusive rocks belonging to the Guichon Border Phase were only noted in DDH G2004-02. DDH G2004-01, drilled to the north, encountered a thick sequence of Eocene sediments and volcanics overlying altered and silicified Nicola rocks. All holes contained varying amounts of pyrite mineralization. As well, drill holes G2004-02, -04, and -04A cut strongly magnetic rocks. The induced polarization chargeability anomalies, which the drilling program was designed to test, can largely be attributed to the ubiquitous and plentiful pyrite mineralization. Strong magnetite mineralization in some holes and the presence of flat-lying carbonaceous and clay-rich Tertiary sediments in DDH G2004-01 may have contributed to the IP effect in those areas.

However, the intense silicification of rocks on the west side of the project area, as well as pyrite sulfide content of up to 10% in DDH G2004-03, merit further attention. These results suggest that the source of the silification and sulfide mineralization may be located to the west of DDH G2004-03 and –01. Geophysical surveys, specifically induced polarization, should be extended to the west of the current project area to test for and close off any geophysical anomalies. Based on these results, further drilling programs can be designed to test for the source of the alteration and mineralization noted in the current drill holes.

6.0 STATEMENT OF COSTS

Highland Valley Copper
Getty Copper Option
Diamond Drilling Program

Site Preparation, logging, access trail construction Cinder Mountain Contracting Ltd.	$ 33,682
Diamond Drilling - 1046 metres Leclerc Drilling Ltd.	$ 114,275
Contract Geologist - Lorne Bond Program supervision, drill core logging, report preparation	$ 7,767
TOTAL	$ 155,724

7.0 STATEMENT OF QUALIFICATIONS - Lorne Allan Bond

I, Lorne Allan Bond, of the city of Kamloops, British Columbia, do hereby certify that

1/ I am a graduate of Loyola College (Concordia University) with a B.Sc. (1967) in Geotechnical Sciences.

2/ I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

3/ I have practiced my profession continuously since 1967 while employed with Sherritt Gordon Mines Ltd., Cominco Ltd., Afton Operating Corporation, Highland Valley Copper and as an independent practitioner.

4/ During the period May - June, 2004, I supervised site clearing and trail building operations and logged diamond drill core from the program.

5/ I have no material interest in the property under consideration on this report.

Lorne A. Bond, P.Geo.
Kamloops, BC

7.0 STATEMENT OF QUALIFICATIONS - Ron Graden

I, Ronald Wayne Graden , of the city of Kamloops, British Columbia, do hereby certify that

1/ I am a graduate of the University of Alberta with a B.Sc. (1990) specializing in Geology.

2/ I am a graduate of the University of Alberta with a B.Sc. (1994) in Mining Engineering.

3/ I am a member of the Association of Professional Engineers & Geoscientists of the Province of British Columbia.

4/ I have practiced my professions continuously since 1994 and sporadically from (1991-1994), while employed with Equity Silver Mines Ltd., Syncrude Canada, Smoky River Coal Ltd., Gibraltar Mines Ltd., and Highland Valley Copper.

5/ During the period April - June 2004, I have supervised all exploration activities including planning and picking up DDH; supervised contractors, monitored and updated claims.

6/ I have no material interest in the property under consideration in this report.

Ron Graden, P.Eng
Kamloops, BC

8.0 REFERENCES

McMillan, W.J., 1985. Geology and Ore Deposits of the Highland Valley Camp. *In* Mineral Deposits Division Field Guide and Reference Manual Series, Number 1. Edited by A.J. Sinclair, Geological Association of Canada, 121 pp.

Monger, J.W.H., 1989. Geology of the Hope and Ashcroft Map Areas, British Columbia – Maps 41-1989 and 42-1989. Geological Survey of Canada. Energy, Mines and Resources Canada.

Oliver, Jim, 2001. Report on the Geology of the North Valley and Glossie Mineral Occurrences, Getty Copper's Highland Valley Project, 35pp. Assessment Report No. 26763.

9.0 APPENDIX A

DIAMOND DRILL HOLE: *G200401*

Highland Valley Copper

14:34:32 09-17-2004

Geological Log

Hole: *G200401*

Section:
X (Easting, Dep.): 630450.000
Y (Northing, Lat.): 5610200.000
Z (Elevation): 0.000
Date Collared: May 31, 2004
Date Completed: June 5, 2004
Date Logged: June 21, 2004

Core Size: NQ
Length: 251.760
Collar Azimuth: 0.000
Collar Dip: -90.000
OB Depth: 6.090
Logged By: L. Bond

Remarks: Collar Coor. UTM-NAD 83. DDH drilled on the Getty Copper option to test an IP anomaly in the North Valley area.

From	To	Unit	Description
0	6.09	CAS	Casing through overburden and broken rock.
6.09	43.4	TERV	Tertiary Volcanics - f.g. dk grey-black andesite-basalt flows w/ fine amygdules to 20m then into vesicular flow-top features including weathered and oxidized tops(yellow brown limonitic weathering).
43.4	51	TERS	Tertiary Sediments - thin bedded sediments; some carbonaceous or coaly layers as well as tuffs and ash layers (volcaniclastics).
51	70.2	TERV	Tertiary Volcanics- f.g. grey-black andesite-basalt flows w/ tiny amygdules(1-2mm).
70.2	136.7	TERS	Tertiary Sediments package - appears largely of volcanic derivation; some finely laminated water lain sediments w/ occ. carbonaceous or coaly seams; some ash layers as well. Several breccia sections were cut with angular fragments of mixed lithologies in the pebble to cobble size range; Both clast supported and matrix supported breccias were intersected. Core recovery in all Tertiary drill core was quite high.
136.7	191	NVOL	Nicola Volcanics-f.g grey green volcanics; silicified with wk to mod. hornfels metasomatism; some epidote on fracture surfaces; areas with some sec. albite(albitization). 136.7 to 138 has breccia developed on old surface w/ Nicola fragments in softer green matrix. Rock is intensely jointed and broken up with lower recoveries. Segments of faulted and bx'ed zones from 175-177m at 45-50 deg. to C.A. Overall sulfide content in the 1-2% range as diss. pyrite. Sct. minor white qz veins occur.

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
136.70	141.00	0	0	0	0.000	42	0.000	0	3
141.00	144.00	0	0	0	0.000	42	0.000	0	3
144.00	147.00	0	0	0	0.000	46	9.000	0	3
147.00	150.00	0	0	0	0.000	50	0.000	0	4
150.00	153.00	0	0	0	0.000	73	0.000	0	4
153.00	156.00	0	0	0	0.000	55	0.000	0	4

DIAMOND DRILL HOLE: *G200401*

Highland Valley Copper

Geological Log

14:34:34 09-17-2004

Hole: *G200401*
Page: 2

From	To	Unit	Description
191	228	NVOL	Hornfelsed Nicola Volcanics; gradual increase in degree of hornfels metasomatism; rock is now usually a light to med. grey silicified alt'd f.g. volcanic. Sulfide content has increased to the 1-3% range. Brown biotite is present sporadically in this interval and some dark biotiite rich clots were noted. Rock is intensely jointed and broken up w/ 10cm fault w/ gouge at 50 deg. to C.A. at 212.2m.
228	251.76	NVOL	Hornfelsed Nicola Volcanics w/ intense hornfels metasomatism amd silicification. Upper contact is strong fault from 228-228.6m at 70 deg. to C.A. w/ some gouge and crushed rock; below this fault is light gy highly silicifed rock w/ increased sulfide content averaging 3-5% w/ more stringers and veinlets as well as disseminations; also noted are biotite rich ragged clots w/ sulfides(pyrite). Narrow hard black siliceous veinlets w/ some pyrite are occ. noted (poss. tourmaline?). Rock is generally int. jointed and broken but especially so from 240m to the end of the hole where the core is cut by numerous shears including a 10cm shearw/ gouge at 60 deg. to C.A. Some wk thin albitized envelopes developed on some fractures.
			End of Hole at 251.76m

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
156.00	159.00	0	0	0	0.000	34	0.000	0	4
159.00	162.00	0	0	0	0.000	18	0.000	0	4
162.00	165.00	0	0	0	0.000	29	0.000	0	4
165.00	168.00	0	0	0	0.000	42	0.000	0	4
168.00	171.00	0	0	0	0.000	48	0.000	0	4
171.00	174.00	0	0	0	0.000	47	10.000	0	4
174.00	177.00	0	0	0	0.000	63	0.000	0	4
177.00	180.00	0	0	0	0.000	48	15.000	0	4
180.00	183.00	0	0	0	0.000	79	10.000	0	4
183.00	186.00	0	0	0	0.000	57	11.000	0	4
186.00	189.00	0	0	0	0.000	65	16.000	0	4
189.00	192.00	0	0	0	0.000	83	5.000	0	4
192.00	195.00	0	0	0	0.000	66	0.000	0	4
195.00	198.00	0	0	0	0.000	80	6.000	0	4
198.00	201.00	0	0	0	0.000	65	0.000	0	4
201.00	204.00	0	0	0	0.000	35	10.000	0	4
204.00	207.00	0	0	0	0.000	88	8.000	0	4
207.00	210.00	0	0	0	0.000	81	33.000	0	4
210.00	213.00	0	0	0	0.000	59	6.000	0	4
213.00	216.00	0	0	0	0.000	93	11.000	0	4
216.00	219.00	0	0	0	0.000	99	7.000	0	4
219.00	222.00	0	0	0	0.000	87	8.000	0	4
222.00	225.00	0	0	0	0.000	83	14.000	0	4
225.00	228.00	0	0	0	0.000	88	13.000	0	4
228.00	231.00	0	0	0	0.000	75	0.000	0	4
231.00	234.00	0	0	0	0.000	91	7.000	0	3
234.00	237.00	0	0	0	0.000	98	7.000	0	4
237.00	240.00	0	0	0	0.000	62	0.000	0	4
240.00	243.00	0	0	0	0.000	92	0.000	0	3
243.00	246.00	0	0	0	0.000	78	0.000	0	4
246.00	249.00	0	0	0	0.000	72	0.000	0	3
249.00	251.76	0	0	0	0.000	0	0.000	0	3

DIAMOND DRILL HOLE: *G200402*

Highland Valley Copper

09:05:46 09-14-2004

Geological Log

Hole: *G200402*

Section:
X (Easting, Dep.): 631200.000
Y (Northing, Lat.): 5608465.000
Z (Elevation): 0.000
Date Collared: May 27, 2004
Date Completed: May 31, 2004
Date Logged: June 18, 2004

Core Size: NQ
Length: 244.750
Collar Azimuth: 225.000
Collar Dip: -60.000
OB Depth: 12.190
Logged By: L. Bond

Remarks: Collar Coor. UTM-NAD 83. DDH drilled on the Getty Copper option to test an IP anomaly in the North Valley area.

DOWN HOLE SURVEYS:	Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
	240.000	225.000	-58.000	0.000	0.000	0.000	0.000	0.000	0.000

From	To	Unit	Description
0	12.19	CAS	Casing through overburden and broken rock.
12.19	26.2	DIOR	F.g. grey-green diorite; mostly plag. and mafics(amphibole and biotite) w/ some acc. magnetite; plag. has white-cream color and mafics look slightly alt'd. Section contains 15% Nicola volcanic inclusions w/ sharp cts w/ diorite. Weak propylitic alteration is present as epidote and some narrow bleaching along fractures(albite). Sulfide content is <1% as pyrite.
26.2	52	NVOL	V.f.g.-f.g. dk grey-green massive Nicola volcanics; gen. equigranular w/ only local plag. phenos; some magnetite; only trace sulfides. Rock has coarse jt'ing and sign. calcite on jts and in veinlets. Lower ct w/ diorite is at 25 deg. to C.A. and contact area has intense epidote-calcite alt. and some qz veining.

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
12.19	15.00	0	0	0	0.000	69	5.000	0	5
15.00	18.00	0	0	0	0.000	90	14.000	0	5
18.00	21.00	0	0	0	0.000	99	32.000	0	5
21.00	24.00	0	0	0	0.000	99	42.000	0	5
24.00	27.00	0	0	0	0.000	99	34.000	0	5
27.00	30.00	0	0	0	0.000	97	58.000	0	5
30.00	33.00	0	0	0	0.000	99	57.000	0	5
33.00	36.00	0	0	0	0.000	99	58.000	0	5
36.00	39.00	0	0	0	0.000	97	79.000	0	5
39.00	42.00	0	0	0	0.000	99	84.000	0	4
42.00	45.00	0	0	0	0.000	96	73.000	0	5
45.00	48.00	0	0	0	0.000	94	71.000	0	5
48.00	51.00	0	0	0	0.000	98	38.000	0	5
51.00	54.00	0	0	0	0.000	99	70.000	0	5
54.00	57.00	0	0	0	0.000	99	64.000	0	5
57.00	60.00	0	0	0	0.000	98	71.000	0	5
60.00	63.00	0	0	0	0.000	99	71.000	0	5
63.00	66.00	0	0	0	0.000	99	73.000	0	5
66.00	69.00	0	0	0	0.000	97	73.000	0	5

From	To	Unit	Description
52	81	DIOR	F.g. grey-green diorite; mostly plag. and mafics (amph. and black biotite); wk acc. mag.; slight greenish cast to some plag. poss. due to sericite alt. Wk propylitic alt. primarily as epidote w/ some calcite-chlorite; very strong epidote and calcite alt/ at upper ct over 0.4m. Poss. wkand spotty brown biotite overprinting in places. Fairly mass. rock w/ coarse jt'ing and high RQD's. Sulfide content is 1% as diss. and occ. stringer.
81	88.7	NVOL	V.f.g. dk grey-green mass., equigranular Nicola volcanics w. mod. propylitic alt. as epidote-calcite-chlorite veining; mod. to strongly magnetic. Sulfide content increases to 2-3% range. Narrow chilled contacts w/ diorite.
88.7	98.2	DIOR	F.g. grey diorite; equigranular w/ plag., mafics (amph. + biotite), and increasing qz; weakly mag. Mod. propylitic alt. as epidote-calcite-chlorite-pyrite veinlets. Some wk alt. of plag. Sulfide content in 1-2% range.
98.2	103.4	NVOL	V.f.g. dk grey-green mass. Nicola volcanics; wk propylitic alt.; 1% sulfides.
103.4	131.1	NVOL	F.g.-m.g. vesicular and amygdaloidal flows; oxidized flow top features; some minor m.g. sections may be diorite incl. or m.g flows segments. Most significant feature is dev. of an intense proplytic alt. assemblage characterized by strong epidote, calcite, chlorite, pyrite, and specularite hematite mineralization. Some magnetite is

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
69.00	72.00	0	0	0	0.000	98	72.000	0	5
72.00	75.00	0	0	0	0.000	99	62.000	0	5
75.00	78.00	0	0	0	0.000	99	72.000	0	5
78.00	81.00	0	0	0	0.000	99	71.000	0	5
81.00	84.00	0	0	0	0.000	96	52.000	0	5
84.00	87.00	0	0	0	0.000	99	45.000	0	5
87.00	90.00	0	0	0	0.000	99	96.000	0	5
90.00	93.00	0	0	0	0.000	99	82.000	0	5
93.00	96.00	0	0	0	0.000	99	93.000	0	5
96.00	99.00	0	0	0	0.000	99	84.000	0	5
99.00	102.00	0	0	0	0.000	99	69.000	0	5
102.00	105.00	0	0	0	0.000	99	39.000	0	3
105.00	108.00	0	0	0	0.000	97	37.000	0	4
108.00	111.00	0	0	0	0.000	88	12.000	0	3
111.00	114.00	0	0	0	0.000	98	29.000	0	3
114.00	117.00	0	0	0	0.000	93	20.000	0	3
117.00	120.00	0	0	0	0.000	93	20.000	0	2

From	To	Unit	Description
			present as well. Contact w/ overlying flows is at 15 deg. to C.A. Specularite is especially strong from 117-129m along w/ 4-5% pyrite. Fine amygdules(1-2mm) are common throughout section. Pyrite can be coarsely crystalline. Lower ct w/ diorite at 131.1m is sheared over 3 cm at 20 deg. to C.A. The strongly propylitized zone w/ strong specularite and pyrite min. is associated with and appears conformable with a series of thin flows (basically a flow top feature).
131.1	186.8	DIOR	F.g. greyish diorite; equigranular:some alt. of plag. Section has mod. propylitic alt. to 147m w/ epidote-calcite-pyrite veining w/ sulfides up to 4%; albite bleaching envelopes dev. on some fractures. Below 147m, propylitic alt. is gen. weaker w/ 1-2% sulfides as diss. and occ. stringer. Very minor sporadic sec. brown biotite is prsent after 141m. F.g. dk green volcanic incl. cut from 138.7-139.5m and 164-166.6m. Sheared contact w/ underlying volcanics @ 25 deg. to C.A. w/ 2cm gouge at 186.8m.
186.8	201	NVOL	V.f.g. dk-green Nicola volcanics; gen. equigranular w/ minor plag. phenos; mod. to strongly magnetic. Rock has mod. to strong propyltic alt. w/ epidote-chlorite-calcite stringers and joint fillings. Core is extremely broken up and densely jointed. Sheared and broken-up contact w/ underlying diorite at 201m.

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
120.00	123.00	0	0	0	0.000	87	10.000	0	2
123.00	126.00	0	0	0	0.000	97	0.000	0	2
126.00	129.00	0	0	0	0.000	73	0.000	0	2
129.00	132.00	0	0	0	0.000	97	4.000	0	2
132.00	135.00	0	0	0	0.000	88	33.000	0	4
135.00	138.00	0	0	0	0.000	84	21.000	0	4
138.00	141.00	0	0	0	0.000	97	13.000	0	3
141.00	144.00	0	0	0	0.000	94	19.000	0	3
144.00	147.00	0	0	0	0.000	97	34.000	0	4
147.00	150.00	0	0	0	0.000	99	78.000	0	5
150.00	153.00	0	0	0	0.000	99	85.000	0	5
153.00	156.00	0	0	0	0.000	99	84.000	0	5
156.00	159.00	0	0	0	0.000	99	39.000	0	3
159.00	162.00	0	0	0	0.000	82	69.000	0	3
162.00	165.00	0	0	0	0.000	99	93.000	0	5
165.00	168.00	0	0	0	0.000	95	68.000	0	5
168.00	171.00	0	0	0	0.000	99	36.000	0	5
171.00	174.00	0	0	0	0.000	99	57.000	0	5
174.00	177.00	0	0	0	0.000	98	60.000	0	5
177.00	180.00	0	0	0	0.000	98	62.000	0	5
180.00	183.00	0	0	0	0.000	99	68.000	0	5
183.00	186.00	0	0	0	0.000	99	56.000	0	4
186.00	189.00	0	0	0	0.000	99	15.000	0	3
189.00	192.00	0	0	0	0.000	98	8.000	0	3
192.00	195.00	0	0	0	0.000	93	4.000	0	3
195.00	198.00	0	0	0	0.000	85	0.000	0	2
198.00	201.00	0	0	0	0.000	95	4.000	0	3

DIAMOND DRILL HOLE: *G200402*

Highland Valley Copper

09:05:50 09-14-2004

Geological Log

From	To	Unit	Description
201	205.4	DIOR	F.g grey-green diorite w/ moderate propylitic alt. as epidote-chlorite-pyrite; 3-5% sulfides as veinlets and diss.
205.4	205.8	NVOL	V.f.g. dk-green Nicola volcanics - intensely chloritized.
205.8	209.5	FX	Very intense fault zone in Nicola Volcanics; all gouge and crushed rock w/ original rock fabric totally destroyed. Fault material is mineralized w/ specular hematite and pyrite(4-5%). Upper and lower contacts are at 20 deg. to C.A.
209.5	210.4	NVOL	V.f.g dk-green Nicola volcanics w/ int. propylitic alt. (epidote-chlorite).
210.4	241.7	DIOR	F.g. gy-green diorite w/ mod.-strong propylitic alt. as epidote-calcite-pyrite-chlorite and some sec. albitization dev. away from fractures. Sulfide content is in the 2-3% range as veinlets, diss., and joint fillings. Core is intensely jointed and brokenup with lower recovery due to mislatches. After 234m, sulfide content increases to up to 5% as pyrite w/ more veinlets and clots. At 240.2m, poss. 2 cm K-spar alt. envelope noted or is poss. Fe-stained plag.
241.7	244.75	NVOL	V.f.g. dk-green Nicola Volcanics w/ strong propylitic alt. as epidote-chlorite-calcite-hematite-pyrite; sulfides in 2% range. Upper contact is shr'd w/ gouge to 242m.
			End of hole at 244.75m

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
201.00	204.00	0	0	0	0.000	80	0.000	0	3
204.00	207.00	0	0	0	0.000	81	14.000	0	2
207.00	210.00	0	0	0	0.000	84	9.000	0	1
210.00	213.00	0	0	0	0.000	87	18.000	0	4
213.00	216.00	0	0	0	0.000	92	22.000	0	5
216.00	219.00	0	0	0	0.000	84	18.000	0	5
219.00	222.00	0	0	0	0.000	82	21.000	0	4
222.00	225.00	0	0	0	0.000	87	13.000	0	4
225.00	228.00	0	0	0	0.000	82	10.000	0	4
228.00	231.00	0	0	0	0.000	97	8.000	0	4
231.00	234.00	0	0	0	0.000	98	27.000	0	4
234.00	237.00	0	0	0	0.000	99	16.000	0	4
237.00	240.00	0	0	0	0.000	99	5.000	0	2
240.00	243.00	0	0	0	0.000	99	20.000	0	3
243.00	244.75	0	0	0	0.000	83	11.000	0	3

DIAMOND DRILL HOLE: *G200403*

Highland Valley Copper

09:07:43 09-14-2004

Geological Log

Hole: ***G200403***
Page: **1**

Section:
X (Easting, Dep.): 629715.000
Y (Northing, Lat.): %5609058.000
Z (Elevation): 0.000
Date Collared: May 21, 2004
Date Completed: May 26, 2004
Date Logged: June 9, 2004

Core Size: NQ
Length: 251.760
Collar Azimuth: 135.000
Collar Dip: -60.000
OB Depth: 9.140
Logged By: L. Bond

Remarks: Collar Coors. UTM - NAD 83. DDH drilled on the Getty Copper option to test an IP anomaly in the North Valley area.

DOWN HOLE SURVEYS:

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
215.000	135.000	-60.000	0.000	0.000	0.000	0.000	0.000	0.000

From	To	Unit	Description
0	9.14	CAS	Casing through overburden and broken rock.
9.14	32	NVOL	Hornfelsed, intensely metasomatized Nicola volcanics or volcaniclastics; original rock features completely alt'd. Rock is silicified consisting mainly of f.g. quartz and brown biotite. Core usually has a foliation as defined by thin biotite laminae accompanied by sign. sulfide min. Some sections are primarily lt grey qz w/ minor biotite/pyrite; other intervals are dk brown, very biotite rich and foliated. Sulfides seem to be all pyrite; the sulfides are present as diss., in laminae w/ or w/o brown biotite, and as thin stringers and veinlets. This core interval has up to 5% sulfide. The rock is hard, well jointed, w/ limonitic staining on fractures and jts.
32	64	NVOL	Hornfelsed Nicola volcanics as above but more intensely silicified & well mineralized. Overall sulfide content in this interval is 5-10%, but higher grade sections have up to 20% sulfides(pyrite) as veinlets and clots. From 38.8-39.5, a f.g lt-grey diorite dyke occurs w/ alt'd mafics, brown biotite alt., and diss. pyrite. At 37.2m is a thin shear at 50deg. to C.A. with poss. white albitite ajacent to shear and extending to 37.4m. There is a persisten foliation at 30-40 deg. to C.A. w/ pyritic laminae. From 51.3-51.9m there is a fairly strong

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
9.14	12.00	0	0	0	0.000	99	58.000	0	5
12.00	15.00	0	0	0	0.000	90	25.000	0	5
15.00	18.00	0	0	0	0.000	92	29.000	0	5
18.00	21.00	0	0	0	0.000	99	40.000	0	5
21.00	24.00	0	0	0	0.000	98	29.000	0	5
24.00	27.00	0	0	0	0.000	90	6.000	0	5
27.00	30.00	0	0	0	0.000	88	38.000	0	5
30.00	33.00	0	0	0	0.000	96	45.000	0	5
33.00	36.00	0	0	0	0.000	99	52.000	0	5
36.00	39.00	0	0	0	0.000	99	49.000	0	5
39.00	42.00	0	0	0	0.000	99	58.000	0	5
42.00	45.00	0	0	0	0.000	99	51.000	0	5

From	To	Unit	Description
			fault @ 30deg. to C.A. w/ some calcite rich gouge and crushed rock dev.; some whitish bleached rock within the fault zone could be albitization.
64	100	NVOL	Hornfelsed Nicola volcanics as above, very siliceous and fairly mass. w/ widespaced jointing and higher RQD's. Persistent foliation in biotite rich sections. Sulfide content is less in this interval, up to 5% sulfides(pyrite). At 77.8m, 2cm albite-actinolite-pyrite veinlet. Some narrow black siliceous stringers w/ pyrite occur between 91 and 95m.

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
45.00	48.00	0	0	0	0.000	99	75.000	0	5
48.00	51.00	0	0	0	0.000	99	45.000	0	5
51.00	54.00	0	0	0	0.000	99	57.000	0	5
54.00	57.00	0	0	0	0.000	99	61.000	0	5
57.00	60.00	0	0	0	0.000	98	62.000	0	5
60.00	63.00	0	0	0	0.000	99	70.000	0	5
63.00	66.00	0	0	0	0.000	99	47.000	0	5
66.00	69.00	0	0	0	0.000	99	41.000	0	5
69.00	72.00	0	0	0	0.000	99	60.000	0	5
72.00	75.00	0	0	0	0.000	99	61.000	0	5
75.00	78.00	0	0	0	0.000	98	64.000	0	5
78.00	81.00	0	0	0	0.000	97	37.000	0	5
81.00	84.00	0	0	0	0.000	99	33.000	0	5
84.00	87.00	0	0	0	0.000	99	44.000	0	5
87.00	90.00	0	0	0	0.000	99	62.000	0	5
90.00	93.00	0	0	0	0.000	97	54.000	0	5
93.00	96.00	0	0	0	0.000	97	55.000	0	5
96.00	99.00	0	0	0	0.000	99	34.000	0	5
99.00	102.00	0	0	0	0.000	99	38.000	0	5

From	To	Unit	Description
100	114.5	NVOL	Hornfelsed Nicola Volcanics; darker, more biotite rich rock. Sulfide content is higher, 5-10% sulfides. Core is shattered and broken up from 109-111m w/ several minor shears at 50 deg. to C.A.
114.5	116.5	DIOR	F.g grey-green diorite dyke intruding hornfelsed volcanics. Rock has f.g. sec. brown biotite.
116.5	131.4	NVOL	Hornfelsed Nicola volcanics becoming more siliceous (lt-grey rock); lower sulfide content(<5%).
131.4	135	FX	Strong fault zone in hornfelsed Nicola volcanics; several faulted intervals w/ gouge and crushed rock; most prom. slip orientation is 50 deg. to C.A.

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
102.00	105.00	0	0	0	0.000	99	27.000	0	5
105.00	108.00	0	0	0	0.000	93	52.000	0	5
108.00	111.00	0	0	0	0.000	99	0.000	0	5
111.00	114.00	0	0	0	0.000	98	24.000	0	5
114.00	117.00	0	0	0	0.000	96	38.000	0	5
117.00	120.00	0	0	0	0.000	99	42.000	0	5
120.00	123.00	0	0	0	0.000	98	59.000	0	5
123.00	126.00	0	0	0	0.000	98	44.000	0	5
126.00	129.00	0	0	0	0.000	47	55.000	0	5
129.00	132.00	0	0	0	0.000	96	14.000	0	3
132.00	135.00	0	0	0	0.000	97	17.000	0	3
135.00	138.00	0	0	0	0.000	94	36.000	0	5
138.00	141.00	0	0	0	0.000	93	28.000	0	5
141.00	144.00	0	0	0	0.000	99	30.000	0	5
144.00	147.00	0	0	0	0.000	99	51.000	0	5
147.00	150.00	0	0	0	0.000	99	60.000	0	5
138.00	141.00	0	0	0	0.000	93	28.000	0	5
141.00	144.00	0	0	0	0.000	99	30.000	0	5
144.00	147.00	0	0	0	0.000	99	51.000	0	5
147.00	150.00	0	0	0	0.000	99	60.000	0	5

From	To	Unit	Description
135	154.7	NVOL	Hornfelsed Nicola volcanic unit; generally dk-brown biotite rich and well foliated. Increased sulfide content in 5-10% range as laminae, diss., clots, and stringers. From 138.4-139.7m, several shears up to 10cm wide w/ gouge at 30 deg. to C.A. Lower ct at 154.7m is 3cm shear w/ gouge @ 30 deg. to C.A.
154.7	189.7	NVOL	Hornfelsed Nicola volcanic unit; Initially mostly v.f.g. lt-grey siliceous rock w/ minor brown biotite and low sulfide content in the 1-2% range; does not exceed 3%. At 182m, 5cm shear w/ gouge at 35 deg. to C.A. Contact at 189.7m is faulted at 35 deg. to C.A. w/ less alt'd flows below
189.7	230.9	NVOL	Dark grey-green Nicola volcanics; less altered porphyrytic flowsw/ small(2-3mm) plag. phenocrysts; brecciated for 1m from upper contact w/ sign. sul. in bx; overall sul. content in this interval is in the 2-3% range. Rock has fine brown biotite speckled throughout but has much less hornfels metasomatism than previous part of hole. Core is fairly mass. w/ coarse jointing and higher RQD's. From 230.6-230.9m is whitish albite -actinolite vn'ing

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
150.00	153.00	0	0	0	0.000	99	12.000	0	5
153.00	156.00	0	0	0	0.000	99	19.000	0	3
156.00	159.00	0	0	0	0.000	99	43.000	0	5
159.00	162.00	0	0	0	0.000	99	45.000	0	5
162.00	165.00	0	0	0	0.000	99	62.000	0	5
165.00	168.00	0	0	0	0.000	99	37.000	0	5
168.00	171.00	0	0	0	0.000	98	47.000	0	5
171.00	174.00	0	0	0	0.000	99	34.000	0	5
174.00	177.00	0	0	0	0.000	98	21.000	0	3
177.00	180.00	0	0	0	0.000	91	24.000	0	5
180.00	183.00	0	0	0	0.000	83	0.000	0	3
183.00	186.00	0	0	0	0.000	99	40.000	0	5
186.00	189.00	0	0	0	0.000	98	21.000	0	3
189.00	192.00	0	0	0	0.000	85	63.000	0	5
192.00	195.00	0	0	0	0.000	97	71.000	0	5
195.00	198.00	0	0	0	0.000	99	66.000	0	5
198.00	201.00	0	0	0	0.000	99	71.000	0	5
201.00	204.00	0	0	0	0.000	99	46.000	0	5
204.00	207.00	0	0	0	0.000	99	43.000	0	5
207.00	210.00	0	0	0	0.000	99	23.000	0	5
210.00	213.00	0	0	0	0.000	99	32.000	0	5
213.00	216.00	0	0	0	0.000	99	37.000	0	5
216.00	219.00	0	0	0	0.000	95	51.000	0	5
219.00	222.00	0	0	0	0.000	99	49.000	0	5
222.00	225.00	0	0	0	0.000	97	32.000	0	5

DIAMOND DRILL HOLE: *G200403*

Highland Valley Copper

09:07:46 09-14-2004

Geological Log

From	To	Unit	Description
230.9	251.76	NVOL	Hornfelsed Nicola volcanics. Dk-brown to greenish-brown, very brown biotite rich rock; some foliation dveloped; interval has strong hornfels metasomatism. Sulfide content increases to 3-4% range as diss., in brown biotite rich laminae, and as thin stringers. Rock is mass. w/ higher RQD's. Intensity of alteration is somewhat less than hornfelsed section at top of hole.
			End of Hole at 251.76m.

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
225.00	228.00	0	0	0	0.000	99	51.000	0	5
228.00	231.00	0	0	0	0.000	99	74.000	0	5
231.00	234.00	0	0	0	0.000	99	63.000	0	5
234.00	237.00	0	0	0	0.000	99	81.000	0	5
237.00	240.00	0	0	0	0.000	99	81.000	0	5
240.00	243.00	0	0	0	0.000	99	74.000	0	5
243.00	246.00	0	0	0	0.000	99	84.000	0	5
246.00	249.00	0	0	0	0.000	99	86.000	0	5
249.00	251.76	0	0	0	0.000	99	61.000	0	5

DIAMOND DRILL HOLE: *G200404*

Highland Valley Copper

09:07:03 09-14-2004

Geological Log

Hole: *G200404*
Page: 1

Section:
X (Easting, Dep.): 632060.000
Y (Northing, Lat.): %5607010.000
Z (Elevation): 0.000
Date Collared: May 13, 2004
Date Completed: May 16, 2004
Date Logged: May 21, 2004

Core Size: NQ
Length: 97.540
Collar Azimuth: 270.000
Collar Dip: -60.000
OB Depth: 6.100
Logged By: L. Bond

Remarks: Collar Coor. UTM-NAD 83. DDH drilled on the Getty Copper option to test an IP anomaly in the North Valley area.

From	To	Unit	Description
0	6.1	CAS	Casing through overburden.
6.1	38.2	NVOL	Nicola Volcanics - f.g green-dk green andesitic volc. or vfg dior., occ. slightly porphyritic w/ hornblende and plagioclase phenocrysts up to 2-3mm in v.f.g. groundmass. Generally very well jointed and broken up w/ limonitic iron staining on joints; some calcite and possibly sideritic joint fillings; occ. white qz veining and some vuggy qz-carb. veining. Some fractures have dk-green, probably chloritic envelopes w/ diss. pyrite; only occ. epidote in this interval. Lots of magnetite in the rock (5%) w/ some pyrite-magnetite assoc. as well. Sulfides seem to be all pyrite but overall content is low in this section (around 1%). Some lighter colored sections of core seem to have increased plag. (Albitization poss.).
38.2	58.7	NVOL	F.g. dk-green volcanics, locally plagioclase phyric with 2-3mm phenocrysts. Unit contains increasing amounts of dk-green mafic clots or patches; the clots are magnetite rich with diss. sulfides (prob. pyrite); these clots tend to be 1-5cm in size and can be roughly elongated. Joints contain much chlorite and fibrous talcose-like fillings(tremolite?) and calcite. Section contains 1-5% sulfides.

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
6.10	9.00	0	0	0	0.000	88	9.000	0	3
9.00	12.00	0	0	0	0.000	97	21.000	0	3
12.00	15.00	0	0	0	0.000	99	35.000	0	3
15.00	18.00	0	0	0	0.000	88	30.000	0	3
18.00	21.00	0	0	0	0.000	99	75.000	0	3
21.00	24.00	0	0	0	0.000	98	37.000	0	3
24.00	27.00	0	0	0	0.000	98	48.000	0	3
27.00	30.00	0	0	0	0.000	96	39.000	0	3
30.00	33.00	0	0	0	0.000	99	67.000	0	3
33.00	36.00	0	0	0	0.000	96	63.000	0	3
36.00	39.00	0	0	0	0.000	99	26.000	0	3
39.00	42.00	0	0	0	0.000	99	24.000	0	3
42.00	45.00	0	0	0	0.000	93	58.000	0	3
45.00	48.00	0	0	0	0.000	98	31.000	0	3
48.00	51.00	0	0	0	0.000	97	18.000	0	3
51.00	54.00	0	0	0	0.000	99	38.000	0	3
54.00	57.00	0	0	0	0.000	99	45.000	0	3

DIAMOND DRILL HOLE: *G200404*

Highland Valley Copper

Geological Log

09:07:04 09-14-2004

From	To	Unit	Description
58.7	79.7	NVOL	This interval consists of an intensely foliated rock w/ almost "gneissic" fabric in places. It has a banded appearance w/ dk-green chloritic bandsor seams separated by light-colored, qz- or plagioclase-rich material; this poss. is a recrystallized volcaniclastic or sedimentary inclusion; does not appear to be a dyke. The unit is sulfide rich w 5% or greater sulfide content(prob. pyrite); the sulfides favor the more mafic bands or clots. The rock is well-jointed with fillings being primarily chlorite and calcite. The lower contact occurs over 20 cm of chloritic and talcose gouge w/ some fragments.
79.7	89	NVOL	F.g. dk grey-green andesitic volc. (prob. Nicola) w/ some small mafic patches as in the inteval from 38.2 58.7m.
89	95.1	NVOL	Mostly intensely foliated rock w/ alternating chloritic and siliceous bands as per interval from 58.7-79.7m; highly variable color index; darker material more sulfide rich. The rock has been strongly metasomatized(hornfels).
95.1	97.54	FX	Intensely faulted zone w/ chloritic and talcose rubble; couple of small fragments at end of hole consist of bleached foliated rock. End of hole at 97.54m; could not advance past fault.

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
57.00	60.00	0	0	0	0.000	99	17.000	0	3
60.00	63.00	0	0	0	0.000	93	17.000	0	3
63.00	66.00	0	0	0	0.000	99	14.000	0	3
66.00	69.00	0	0	0	0.000	99	17.000	0	3
69.00	72.00	0	0	0	0.000	99	10.000	0	3
72.00	75.00	0	0	0	0.000	80	0.000	0	3
75.00	78.00	0	0	0	0.000	99	16.000	0	3
78.00	81.00	0	0	0	0.000	96	16.000	0	3
81.00	84.00	0	0	0	0.000	97	0.000	0	3
84.00	87.00	0	0	0	0.000	97	45.000	0	3
87.00	90.00	0	0	0	0.000	87	0.000	0	3
90.00	93.00	0	0	0	0.000	82	0.000	0	3
93.00	96.00	0	0	0	0.000	72	0.000	0	2
96.00	97.54	0	0	0	0.000	65	0.000	0	2

DIAMOND DRILL HOLE: *G200404A*

Highland Valley Copper

09:06:28 09-14-2004

Geological Log

Hole: *G200404A*
Page: 1

Section:
X (Easting, Dep.): 632060.000
Y (Northing, Lat.): 5607010.000
Z (Elevation): 0.000
Date Collared: May 16, 2004
Date Completed: May 20, 2004
Date Logged: June 4, 2004

Core Size: NQ
Length: 200.250
Collar Azimuth: 0.000
Collar Dip: -90.000
OB Depth: 4.880
Logged By: L. Bond

Remarks: Collar Coor. are UTM-NAD 83. DDH drilled on the Getty Copper option in the North Valley area to test an IP anomaly.

From	To	Unit	Description
0	4.88	CAS	Casing in overburden.
4.88	19	NVOL	Andesitic volcanics(Nicola)-very fine grained grey-green volcanics, occ. plagioclase phyric(3mm), magnetite-rich(5%) w/ visible magnetite grains, also occ. hornblendes in grey-green groundmass. Intensely jonted rock w/ lots of limonitic staining on jts. Rock becomes more light gray after 14m (more qz-plag. rich). Only trace sulfides in this section. After 15m, rock has small, gray, gravel-size angular inclusions as well as some visible biotite phenos(2mm). There is some whitish bleaching along fractures which might be albitization; onlt trace epidote.
19	24.5	NVOL	As above but w/ dk-green, mafic,chlorite and magnetite-rich shredded clots or altered patches; rock has been somewhat metasomatized(hornfels).

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
4.88	6.00	0	0	0	0.000	71	33.000	0	4
6.00	9.00	0	0	0	0.000	98	37.000	0	4
9.00	12.00	0	0	0	0.000	98	21.000	0	4
12.00	15.00	0	0	0	0.000	97	22.000	0	4
15.00	18.00	0	0	0	0.000	99	30.000	0	4
18.00	21.00	0	0	0	0.000	96	13.000	0	3
21.00	24.00	0	0	0	0.000	88	20.000	0	3
24.00	27.00	0	0	0	0.000	99	25.000	0	3
27.00	30.00	0	0	0	0.000	94	11.000	0	3
30.00	33.00	0	0	0	0.000	97	29.000	0	3
33.00	36.00	0	0	0	0.000	94	4.000	0	3
36.00	39.00	0	0	0	0.000	99	4.000	0	3

From	To	Unit	Description
24.5	29.3	FX	Fault and sheared zone. Strongly faulted from 24.5-25.0m at 35 deg. to C.A., then sheared and broken up to 29.3m w/ soft, chloritic, soapy talcose fracture fillings and fault gouge material.
29.3	49.3	NVOL	F.g. lt-gray to gray-green volcanic unit,seems slightly more felsic, locally qz and plag. phyric w/ rounded qz grains; still very magnetite-rich; groundmass has fine black speckles. Chlorite-calcite-talcose joint fillings; shr'd from 34.5-35.0m @ 30 deg. to C.A. w/ some gouge and crushed rock. Still only minor sulfides, prob. pyrite as diss. Fault w/ gouge and crushed rock at 30 deg. to C.A. from 41.5-42.8m; 25cm shear at30 deg. to C.A.@49.2m
49.3	64	NVOL	V.f.g-f.g. gray-green plag.-phyric volcanics w/ gray, shadowy, partially assimilated, mag.-rich patches or clots, up to 2-3cm in diam. Slight increase in sulfides to 1-2% as diss. and in stringers and veinlets. Size and quantity of inclusions increases after 56m w/ a weak foliation developed after 57m w/ rough alignment of the long axis of the clots. 20cm shear at 58m at 50 deg. to C.A. w/ gouge and pyrite.
64	74.9	NVOL	F.g. gray-green plag.-phyric andesitic volcanics(Nicola). Increasing propylitic alteration w/ some pyrite-epidote-magnetite-calcite fillings in narrow stringers and veinlets. A few larger qz veinlets (10cm wide) have occ. inclusions of epidote-pyrite-calcite. Overall sulfide content is up to 2-3% especially in stringers and fracture fillings. The rock in this interval is slightly coarser-grained than previous, and is more massive, less jointed. Unit is still

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
39.00	42.00	0	0	0	0.000	97	20.000	0	3
42.00	45.00	0	0	0	0.000	95	29.000	0	3
45.00	48.00	0	0	0	0.000	99	28.000	0	3
48.00	51.00	0	0	0	0.000	99	0.000	0	3
51.00	54.00	0	0	0	0.000	99	31.000	0	3
54.00	57.00	0	0	0	0.000	99	39.000	0	3
57.00	60.00	0	0	0	0.000	99	18.000	0	3
60.00	63.00	0	0	0	0.000	99	54.000	0	3
63.00	66.00	0	0	0	0.000	99	48.000	0	4
66.00	69.00	0	0	0	0.000	99	60.000	0	4

From	To	Unit	Description
			mag.-rich. Wkly sheared contact over 2 cm at 60deg. to C.A. at 74.9m
74.9	111.6	NVOL	F.g. plagioclase phyric andesitic volcanics (Nicola). Section contains chlorite-magnetite rich patches or clots up tp 5-7cm in size(may also contain f.g. black biotite). The rock has a crude foliation with the long axes of the patches roughly parallel to foliation. Locally, the unit is laminated with pyrite-rich laminae. Overall, sulfides are up to 5%. Rock has coarse jointing with polished chlorite-talcose fillings with some calcite. Occ. qz veinlet is present with some pyrite. Some slightly bleached sections outward from fractures could be wk albitization. Brownish cast to core in places; rock may be metasomatized or hornfelsed. At 94.3m, 20cm shr at 50 deg. to C.A. w/ chlorite-talcose gouge; 101m, wkly shr'd at 40 deg. to C.A. Possible minor cpy w/ py at 103-104m. Very magnetite-rich pyritic laminae from 101m. Secondary brown boitite present.

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
69.00	72.00	0	0	0	0.000	99	57.000	0	4
72.00	75.00	0	0	0	0.000	99	71.000	0	4
75.00	78.00	0	0	0	0.000	96	43.000	0	3
78.00	81.00	0	0	0	0.000	99	41.000	0	3
81.00	84.00	0	0	0	0.000	99	37.000	0	3
84.00	87.00	0	0	0	0.000	99	56.000	0	3
87.00	90.00	0	0	0	0.000	99	42.000	0	3
90.00	93.00	0	0	0	0.000	95	20.000	0	3
93.00	96.00	0	0	0	0.000	99	35.000	0	3
96.00	99.00	0	0	0	0.000	99	50.000	0	3
99.00	102.00	0	0	0	0.000	97	14.000	0	3
102.00	105.00	0	0	0	0.000	99	52.000	0	4
105.00	108.00	0	0	0	0.000	97	13.000	0	4

From	To	Unit	Description
111.6	118.4	FX	As above but with several intense faults and shears. The dark green chlorite-magnetite rich clotshave an extenuated or shredded fabric at times; some rock sections are bleached to lt-grey color. Major shear orientation is 30 deg. to C.A. at 111.6m. Some of the core within the faulted interval is softer (poss. argillized plag.) and less magnetic. From 116.5-117.1 core is all calcitic gouge and ground up rock w/ slips at 25-30 deg. to C.A.
118.4	146.7	NVOL	F.g to v.f.g. plagioclase and hornblende-phyric (1-2mm) andesitic volc. or v.f.g. diorite; has several slightly bleached intervals. From 123.6-125.0m core is sheared and bleached @ 35-40 deg to C.A. Rock is weakly magnetic with 3-4% accessory mag. only. There are little or no sulfides in this section. From 132.0-133.6m, the core is strongly faulted w/ gouge and fault breccia w/ slips at 60 deg. to C.A. At 137.3m, there is a 20cm fault w/ gouge and crushed rock at 50 deg. to C.A. w/ intense epidote alt. which persists in core to 138.0m. From 145.9-146.7 is a wk fault w/ narrow qz-carb veining at 25 deg. to C.A.

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
108.00	111.00	0	0	0	0.000	98	28.000	0	4
111.00	114.00	0	0	0	0.000	98	12.000	0	2
114.00	117.00	0	0	0	0.000	99	18.000	0	2
117.00	120.00	0	0	0	0.000	99	14.000	0	3
120.00	123.00	0	0	0	0.000	60	8.000	0	3
123.00	126.00	0	0	0	0.000	98	31.000	0	2
126.00	129.00	0	0	0	0.000	98	37.000	0	4
129.00	132.00	0	0	0	0.000	95	25.000	0	4
132.00	135.00	0	0	0	0.000	95	0.000	0	4
135.00	138.00	0	0	0	0.000	98	33.000	0	4
138.00	141.00	0	0	0	0.000	99	58.000	0	4
141.00	144.00	0	0	0	0.000	99	52.000	0	4
144.00	147.00	0	0	0	0.000	99	29.000	0	4
147.00	150.00	0	0	0	0.000	93	8.000	0	3

From	To	Unit	Description
146.7	161.2	NVOL	Dk-green, f.g., more plagioclase phyric andesitic volcanic unit than previous; plag. phenos to 8-10mm; occ. poikilitic texture in some phenos w/ poss. sericite specks. This unit is more magnetic w/ minor amts of sulfides. It is badly broken up from 148-151m w/ lots of chloritic-talcose fracture fillings. Occ. thin calcite chlorite stringer w/ bleached envelopes. The lower contact is wkly shr'd and bleached at 161.2m at 75 deg. to C.A.
161.2	200.25	NVOL	V.f.g. grey-green andesitic volcanic, plagioclase-phyric; sporadic occurrences of dk-green mag.-chlorite rich clots(1-7cm). Occ. larger clots of this type noted w/ wk foliation and poss. micaeous bands along w/ magnetite and some pyrite.The rock in this section is fairly massive and competent w/ higher RQD's. Overall sulfides in this interval are only 1-2% with more sporadic occurrences. Weakly bleached zones outward from fractures are common;the occ. fracture has a brown-black micaeous selvage or envelope. Core is wkly shr'd from 184.9-185.6m at 35 deg. to C.A. with sulfides. From 196.0m, core is broken up w/ lots of jointing and shr'd joints @ 0-10 deg. to C.A. w/ chlorite-talcose-calcite fillings. The rock has been weakly to moderately metasomatized(hornfels). End of Hole at 200.25m

From	To	ARG	SER	KPR	Bn/Cp	Recov	% RQD	Hard	RkStr
150.00	153.00	0	0	0	0.000	98	40.000	0	3
153.00	156.00	0	0	0	0.000	99	46.000	0	4
156.00	159.00	0	0	0	0.000	99	64.000	0	4
159.00	162.00	0	0	0	0.000	98	34.000	0	4
162.00	165.00	0	0	0	0.000	99	40.000	0	3
165.00	168.00	0	0	0	0.000	99	39.000	0	3
168.00	171.00	0	0	0	0.000	99	52.000	0	4
171.00	174.00	0	0	0	0.000	99	53.000	0	3
174.00	177.00	0	0	0	0.000	99	76.000	0	4
177.00	180.00	0	0	0	0.000	99	63.000	0	4
180.00	183.00	0	0	0	0.000	99	73.000	0	4
183.00	186.00	0	0	0	0.000	99	52.000	0	4
186.00	189.00	0	0	0	0.000	99	47.000	0	4
189.00	192.00	0	0	0	0.000	99	60.000	0	4
192.00	195.00	0	0	0	0.000	99	85.000	0	4
195.00	198.00	0	0	0	0.000	99	53.000	0	3
198.00	202.25	0	0	0	0.000	99	28.000	0	3

10.0 APPENDIX B

HIGHLAND VALLEY CU.-M

Job V040420R

G2004-01 Date 28-Jul-04

LAB NO	FIELD NUMBER	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	P	Au
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppb
R0414842	G04-01 136-141	27	<4	45	<.4	<2	62	<1	18	11	3.67	4	45	<5	<5	69	<2	<2	10	4	2	321	2.53	0.04	2.54	0.16	0.04	0.38	350	<10
R0414843	G04-01 141-144	49	<4	76	<.4	6	82	<1	22	17	6.02	<2	44	<5	<5	179	<2	<2	10	3	3	615	3.93	0.09	3.85	0.14	0.05	0.78	322	<10
R0414844	G04-01 144-147	11	<4	21	<.4	<2	36	<1	9	5	1.76	<2	58	<5	<5	23	<2	<2	6	5	3	138	1.45	0.05	1.33	0.16	0.06	0.34	380	<10
R0414845	G04-01 147-150	11	<4	13	<.4	<2	25	<1	12	5	1.85	<2	60	<5	<5	23	<2	<2	5	3	3	133	1.42	0.02	1.37	0.12	0.06	0.27	313	<10
R0414846	G04-01 150-153	20	<4	16	<.4	<2	23	<1	12	2	2.42	<2	40	<5	<5	12	<2	<2	4	4	2	166	1.74	0.03	1.63	0.16	0.05	0.34	563	<10
R0414847	G04-01 153-156	15	<4	25	<.4	<2	22	<1	9	3	2.56	<2	47	<5	<5	13	<2	2	5	4	5	174	1.47	0.02	1.57	0.15	0.05	0.21	490	<10
R0414848	G04-01 156-159	2	<4	21	<.4	<2	29	<1	9	3	1.72	<2	41	<5	<5	13	<2	5	4	4	4	117	1.57	0.02	1.5	0.16	0.05	0.37	531	<10
R0414849	G04-01 159-162	7	<4	13	<.4	<2	27	<1	17	3	1.22	<2	51	<5	<5	9	<2	11	3	3	2	84	0.98	0.02	1.03	0.09	0.06	0.31	300	<10
R0414850	G04-01 162-165	1	<4	13	<.4	<2	40	<1	4	2	1.39	<2	55	<5	<5	10	<2	<2	3	2	5	110	1.54	0.04	1.46	0.12	0.05	0.6	437	<10
R0414851	G04-01 165-168	<1	<4	21	<.4	<2	18	<1	7	2	2.06	<2	50	<5	<5	9	<2	<2	2	3	5	179	2.03	0.02	1.94	0.11	0.08	0.28	392	<10
R0414852	G04-01 168-171	<1	<4	23	<.4	<2	21	<1	6	3	1.97	<2	38	<5	<5	9	<2	<2	4	3	4	120	1.96	0.02	1.76	0.14	0.05	0.37	464	<10
R0414853	G04-01 171-174	3	<4	24	<.4	<2	35	<1	6	2	1.73	<2	42	<5	<5	10	<2	<2	4	3	5	120	1.69	0.03	1.61	0.14	0.05	0.39	510	<10
R0414854	G04-01 174-177	5	<4	13	<.4	<2	39	<1	9	3	1.87	<2	51	<5	<5	10	<2	<2	8	5	6	103	1.81	0.06	1.57	0.22	0.06	0.45	592	<10
R0414855	G04-01 177-180	29	<4	28	<.4	<2	43	<1	13	<1	3.88	<2	31	<5	<5	30	<2	<2	18	8	2	223	2.7	0.06	2.77	0.56	0.05	0.53	2268	<10
R0414856	G04-01 180-183	7	<4	31	<.4	<2	21	<1	16	1	2.75	<2	44	<5	<5	19	<2	<2	3	6	4	235	2.29	0.03	2.13	0.27	0.08	0.29	1079	<10
R0414857	G04-01 183-186	8	<4	18	<.4	<2	64	<1	22	4	2.11	<2	41	<5	<5	21	<2	<2	7	7	3	144	1.99	0.07	1.76	0.27	0.06	0.59	842	<10
R0414858	G04-01 186-189	11	<4	26	<.4	4	82	<1	20	3	3.86	4	42	<5	<5	37	<2	<2	6	3	<2	300	2.2	0.06	2.21	0.15	0.05	0.76	354	<10
R0414859	G04-01 189-192	3	<4	12	<.4	<2	48	<1	7	3	1.47	<2	47	<5	<5	10	<2	<2	5	3	<2	123	1.67	0.04	1.51	0.14	0.05	0.54	513	<10
R0414860	G04-01 192-195	9	<4	14	<.4	3	31	<1	33	2	3.39	<2	34	<5	<5	39	<2	<2	4	3	3	187	1.96	0.03	1.8	0.17	0.05	0.52	538	<10
R0414861	G04-01 195-198	8	<4	17	<.4	<2	39	<1	34	<1	3.58	<2	38	<5	<5	51	<2	<2	5	3	5	223	2.01	0.04	1.9	0.18	0.05	0.6	565	<10
R0414862	G04-01 198-201	7	<4	11	<.4	<2	12	<1	6	2	1.42	2	53	<5	<5	9	<2	<2	3	3	<2	196	1.08	<.01	1.1	0.16	0.04	0.11	581	<10
R0414863	G04-01 201-204	1	<4	15	<.4	<2	17	<1	4	4	1.63	<2	48	<5	<5	17	<2	<2	4	3	2	131	1.47	0.02	1.39	0.14	0.05	0.19	527	<10
R0414864	G04-01 204-207	2	<4	14	<.4	2	19	<1	4	3	1.6	<2	43	<5	<5	16	<2	<2	3	3	3	156	1.71	0.02	1.55	0.12	0.05	0.26	425	<10
R0414865	G04-01 207-210	3	<4	18	<.4	<2	53	<1	8	7	3.43	5	52	<5	<5	55	<2	<2	4	2	6	316	2.94	0.06	3.01	0.15	0.05	0.74	495	<10
R0414866	G04-01 210-213	6	<4	17	<.4	<2	52	<1	8	10	3.37	6	50	<5	<5	48	<2	<2	4	3	<2	311	2.89	0.06	3.01	0.14	0.05	0.74	480	<10
R0414867	G04-01 213-216	10	<4	28	<.4	<2	17	<1	6	1	2.21	<2	48	<5	<5	9	<2	<2	3	2	<2	293	2.21	0.01	2.01	0.13	0.07	0.17	449	<10
R0414868	G04-01 216-219	8	<4	28	<.4	<2	18	<1	7	1	2.45	<2	44	<5	<5	9	<2	<2	3	3	4	313	2.07	0.01	2.05	0.12	0.04	0.15	421	<10
R0414869	G04-01 219-222	5	<4	25	<.4	<2	17	<1	5	<1	2.57	<2	41	<5	<5	14	<2	<2	2	3	2	269	2.2	0.01	2.18	0.14	0.05	0.19	578	<10
R0414870	G04-01 222-225	5	<4	21	<.4	<2	13	<1	7	<1	2.43	<2	38	<5	<5	<2	<2	<2	2	3	6	239	1.74	0.01	1.84	0.1	0.05	0.14	396	<10
R0414871	G04-01 225-228	1	<4	19	<.4	<2	11	<1	6	4	2.13	<2	38	<5	<5	<2	<2	<2	<2	2	3	213	1.7	0.01	1.59	0.08	0.05	0.15	301	<10
R0414872	G04-01 228-231	5	<4	19	<.4	<2	31	<1	18	4	2.97	8	37	<5	<5	<2	<2	<2	2	3	5	233	1.87	0.02	1.72	0.09	0.04	0.29	324	<10
R0414873	G04-01 231-234	5	<4	16	<.4	<2	15	<1	10	3	1.96	5	44	<5	<5	<2	<2	<2	2	5	<2	197	1.77	0.02	1.58	0.11	0.05	0.25	413	<10
R0414874	G04-01 234-237	9	<4	13	<.4	<2	13	<1	14	3	1.82	7	43	<5	<5	<2	<2	<2	2	6	<2	170	1.37	0.02	1.25	0.11	0.05	0.22	390	<10
R0414875	G04-01 237-240	6	<4	14	<.4	<2	11	<1	11	4	1.94	5	58	<5	<5	<2	<2	<2	2	7	<2	182	1.32	0.01	1.23	0.12	0.05	0.14	434	<10
R0414876	G04-01 240-243	4	<4	15	<.4	<2	13	<1	26	4	1.9	5	68	<5	<5	<2	<2	<2	3	7	<2	161	1.16	0.01	1.03	0.13	0.06	0.16	446	<10
R0414877	G04-01 243-246	<1	<4	16	<.4	<2	14	<1	29	4	2.5	8	60	<5	<5	<2	<2	<2	4	8	2	146	1.42	0.01	1.21	0.17	0.06	0.14	612	<10
R0414878	G04-01 246-249	5	<4	14	<.4	<2	9	<1	14	2	2.27	4	59	<5	<5	<2	<2	<2	2	7	4	117	1.23	<.01	1.06	0.13	0.06	0.09	492	<10
R0414879	G04-01 249-251	5	<4	12	<.4	<2	12	<1	9	3	1.68	5	56	<5	<5	<2	<2	<2	3	8	2	169	1.22	0.01	1.04	0.16	0.06	0.13	509	<10

ANALYTICAL METHODS

ICP PACKAGE :0.5 gram sample digested in hot reverse aqua regia (soil silt) or hot Aqua Regia(rocks).

Au Aqua regia decomposition / solvent extraction / AAS

HIGHLAND VALLEY CU.-M
Job V040487R
G2004-02 Date 16-Aug-04

LAB NO	FIELD NUMBER	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	P	Au
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppb
R0418047	G04-2 51-54	75	<4	15	<.4	8	6	<1	18	20	3.45	<2	81	<5	<5	64	<2	<2	34	6	10	526	1.08	0.08	1.84	3.07	0.05	0.05	330	<10
R0418048	G04-2 54-57	23	<4	9	<.4	<2	15	<1	11	10	3.58	2	67	<5	<5	77	<2	<2	11	4	3	308	0.83	0.11	1.48	1.53	0.07	0.11	279	<10
R0418049	G04-2 57-60	28	<4	10	<.4	6	16	<1	12	10	3.48	<2	61	<5	<5	71	<2	<2	19	4	10	331	0.85	0.09	1.48	1.17	0.07	0.11	283	<10
R0418050	G04-2 60-63	39	<4	14	<.4	2	25	<1	12	9	3.21	<2	60	<5	<5	69	<2	<2	69	3	6	257	0.72	0.11	1.49	1.04	0.09	0.12	272	<10
R0418051	G04-2 63-66	32	<4	12	<.4	<2	24	<1	10	9	3.32	<2	77	<5	<5	117	<2	<2	31	5	5	272	0.76	0.16	0.56	1.36	0.11	0.13	271	<10
R0418052	G04-2 66-69	24	<4	14	<.4	4	35	<1	10	6	3.96	<2	78	<5	<5	94	<2	<2	46	5	6	313	0.8	0.15	1.75	1.39	0.09	0.09	271	<10
R0418053	G04-2 69-72	33	<4	10	<.4	<2	30	<1	9	8	3.63	<2	76	<5	<5	92	<2	<2	27	6	4	284	0.71	0.13	1.7	1.43	0.09	0.09	281	<10
R0418054	G04-2 72-75	34	<4	16	<.4	<2	15	<1	11	8	4.33	2	82	<5	<5	93	<2	<2	14	8	6	548	1.18	0.13	2.39	2.44	0.06	0.07	276	<10
R0418055	G04-2 75-78	50	<4	29	<.4	39	12	<1	12	9	3.85	3	69	<5	<5	73	<2	<2	22	10	5	944	1.45	0.11	2.36	4.06	0.05	0.07	249	<10
R0418056	G04-2 78-81	23	<4	18	<.4	31	12	<1	10	10	3.96	4	61	<5	<5	79	<2	<2	11	6	9	645	1.01	0.1	1.53	1.94	0.06	0.09	254	<10
R0418057	G04-2 81-84	104	<4	140	<.4	<2	18	1	17	15	5.44	3	37	<5	<5	162	<2	<2	22	8	8	2040	2.23	0.14	2.87	3.17	0.05	0.05	537	<10
R0418058	G04-2 84-87	76	<4	111	<.4	<2	19	<1	20	15	7.9	<2	33	<5	<5	201	<2	<2	33	11	10	2409	2.27	0.08	2.86	3.44	0.06	0.04	582	<10
R0418059	G04-2 87-90	60	<4	27	<.4	<2	16	<1	12	13	6.13	<2	42	<5	<5	160	<2	<2	15	3	6	712	1.43	0.13	1.75	1.14	0.06	0.05	466	<10
R0418060	G04-2 90-93	56	<4	12	<.4	<2	59	<1	9	10	3.47	<2	53	<5	<5	73	<2	<2	73	3	8	294	0.69	0.06	1.44	1.12	0.07	0.07	289	<10
R0418061	G04-2 93-96	101	<4	21	<.4	2	34	<1	17	11	4.1	<2	83	<5	<5	97	2	<2	37	7	6	445	0.96	0.13	2.05	1.84	0.08	0.08	289	<10
R0418062	G04-2 96-99	85	<4	42	<.4	4	22	<1	19	30	4.62	2	140	<5	<5	87	<2	<2	25	7	11	852	1.43	0.13	2.5	1.84	0.09	0.09	365	<10
R0418063	G04-2 99-102	23	<4	59	<.4	6	32	<1	13	72	4.95	<2	234	<5	<5	101	<2	<2	41	4	6	1174	1.72	0.19	3.09	2.1	0.12	0.09	552	<10
R0418064	G04-2 102-105	11	4	455	<.4	5	25	<1	21	52	12.09	<2	165	<5	<5	76	<2	<2	23	12	10	6545	2.22	0.07	5.13	2.02	0.05	0.15	493	<10
R0418065	G04-2 105-108	11	<4	509	<.4	<2	28	1	26	21	12.5	2	63	<5	<5	69	<2	<2	25	18	7	7007	2.03	0.02	4.99	1.6	0.03	0.19	476	<10
R0418066	G04-2 108-111	6	10	908	<.4	<2	20	1	35	35	22.61	4	103	<5	<5	99	<2	<2	16	24	12	12020	3.3	0.02	9	1.26	0.06	0.12	1091	<10
R0418067	G04-2 111-114	16	12	527	<.4	<2	8	<1	36	19	15.61	5	43	<5	<5	57	<2	<2	61	21	7	7709	2.48	0.01	6.25	2	0.03	0.06	418	<10
R0418068	G04-2 114-117	10	7	546	<.4	3	19	<1	30	18	18.19	6	46	<5	<5	69	<2	<2	15	13	5	7745	2.42	<.01	7.02	1.01	0.03	0.14	378	<10
R0418069	G04-2 117-120	17	20	626	<.4	<2	<5	1	34	19	27.28	8	35	<5	<5	80	<2	<2	5	10	9	8493	2.84	0.01	9.89	0.98	0.03	<.01	392	<10
R0418070	G04-2 120-123	2	22	671	<.4	17	<5	1	54	33	29.05	2	84	<5	<5	87	<2	<2	3	9	9	9160	3.03	0.01	10.22	0.53	0.03	<.01	475	<10
R0418071	G04-2 123-126	291	24	718	<.4	5	<5	2	46	34	29.93	15	92	<5	<5	129	<2	<2	5	11	7	9020	3.08	0.01	10.39	1.1	0.02	<.01	570	<10
R0418072	G04-2 126-129	40	17	601	<.4	<2	<5	2	36	18	28.19	13	34	<5	<5	83	<2	<2	5	9	7	8015	2.92	<.01	9.91	1.35	0.02	<.01	386	<10
R0418073	G04-2 129-132	32	13	488	<.4	10	7	1	39	17	21.04	13	37	<5	<5	90	<2	<2	6	7	13	6762	3.12	<.01	7.96	1.09	0.03	0.07	404	<10
R0418074	G04-2 132-135	46	<4	55	<.4	13	20	<1	13	7	4.22	5	49	<5	<5	66	<2	3	35	10	10	1230	1.11	0.05	2.13	2.26	0.06	0.08	264	<10
R0418075	G04-2 135-138	70	<4	53	<.4	4	21	<1	17	10	4.6	<2	67	<5	<5	74	<2	<2	34	6	7	969	1.45	0.08	2.47	1.64	0.07	0.07	275	<10
R0418076	G04-2 138-141	41	<4	28	<.4	2	54	<1	12	14	4.66	<2	99	<5	<5	100	<2	<2	103	6	7	617	1.13	0.08	2.5	2.07	0.09	0.1	402	<10
R0418077	G04-2 141-144	109	<4	22	<.4	3	47	<1	14	7	3.83	<2	60	<5	<5	75	<2	<2	87	7	7	329	1.27	0.08	2.11	1.71	0.08	0.09	256	<10
R0418078	G04-2 144-147	171	<4	29	<.4	4	68	<1	17	11	4.78	<2	63	<5	<5	78	<2	2	137	5	6	243	1.28	0.08	2.06	1.43	0.12	0.1	259	<10
R0418079	G04-2 147-150	94	<4	31	<.4	6	39	<1	13	11	4.19	<2	56	<5	<5	79	<2	<2	79	3	3	334	1.12	0.07	1.85	1.2	0.12	0.09	258	<10
R0418080	G04-2 150-153	64	<4	33	<.4	<2	17	<1	13	12	4.13	4	57	<5	<5	79	<2	<2	28	4	4	410	1.19	0.08	1.94	1.51	0.08	0.08	269	<10
R0418081	G04-2 153-156	51	<4	46	<.4	6	17	<1	14	10	4.68	3	87	<5	<5	83	2	<2	22	5	5	711	1.5	0.1	2.25	1.3	0.08	0.09	284	<10
R0418082	G04-2 156-159	212	<4	122	<.4	5	20	1	24	12	8.96	10	56	<5	<5	63	<2	<2	48	9	12	2253	2.31	0.05	3.67	2.27	0.05	0.07	247	<10
R0418083	G04-2 159-162	134	<4	44	<.4	14	21	<1	18	10	4.85	<2	72	<5	<5	86	<2	<2	39	7	3	722	1.83	0.09	2.28	1.27	0.07	0.07	267	<10
R0418084	G04-2 162-165	57	<4	24	<.4	<2	21	<1	13	12	4.19	<2	70	<5	<5	90	<2	<2	29	4	5	420	0.95	0.1	1.96	1.53	0.1	0.08	386	<10
R0418085	G04-2 165-168	44	<4	22	<.4	2	28	<1	13	16	4.59	<2	64	<5	<5	103	3	<2	41	6	10	515	1.19	0.14	2.09	1.53	0.16	0.09	445	<10
R0418086	G04-2 168-171	1157	<4	60	<.4	7	15	<1	21	12	6.72	<2	62	<5	<5	87	<2	<2	18	10	6	1282	1.7	0.09	2.81	2.14	0.07	0.12	281	<10
R0418087	G04-2 171-174	21	<4	57	<.4	5	14	<1	13	10	6.26	4	66	<5	<5	76	<2	<2	13	6	2	1232	1.59	0.06	2.62	1.45	0.05	0.13	273	<10
R0418088	G04-2 174-177	52	<4	51	<.4	4	13	<1	15	9	5.85	2	53	<5	<5	65	<2	<2	11	5	4	1026	1.44	0.05	2.36	0.95	0.06	0.11	269	<10
R0418089	G04-2 177-180	50	<4	48	<.4	4	13	<1	16	11	5.95	<2	57	<5	<5	70	<2	<2	12	5	2	1019	1.44	0.04	2.4	1.19	0.06	0.12	278	<10
R0418090	G04-2 180-183	65	<4	49	<.4	9	13	<1	18	9	6.63	2	56	<5	<5	65	<2	<2	10	4	5	1060	1.56	0.03	2.69	1.02	0.06	0.1	261	<10
R0418091	G04-2 183-186	293	<4	50	<.4	6	15	<1	25	11	6.35	6	72	<5	<5	94	<2	<2	16	8	7	1044	1.37	0.1	2.57	1.66	0.08	0.09	282	<10
R0418092	G04-2 186-189	67	<4	69	<.4	13	13	<1	20	24	9.25	<2	55	<5	<5	95	2	<2	15	7	6	1492	1.93	0.08	3.39	1.12	0.05	0.14	467	<10
R0418093	G04-2 189-192	14	<4	39	<.4	<2	13	<1	12	26	7.51	3	61	<5	<5	120	<2	<2	16	9	9	1048	1.66	0.13	2.8	1.55	0.07	0.12	561	<10
R0418094	G04-2 192-195	11	<4	36	<.4	6	12	<1	13	28	7.57	<2	53	<5	<5	115	<2	<2	13	9	7	1059	1.72	0.12	2.71	1.36	0.07	0.12	549	<10
R0418095	G04-2 195-198	7	<4	42	<.4	<2	12	<1	14	29	7.66	<2	52	<5	<5	116	<2	<2	17	9	9	1125	1.79	0.1	2.79	1.42	0.06	0.12	554	<10
R0418096	G04-2 198-201	10	<4	98	<.4	<2	16	<1	21	27	11	3	60	<5	<5	115	<2	<2	15	9	7	2011	2.04	0.06	3.79	1.04	0.07	0.16	595	<10
R0418097	G04-2 201-204	39	<4	64	<.4	<2	12	<1	28	14	7.43	<2	52	<5	<5	70	<2	<2	19	7	3	1130	1.7	0.04	2.55	0.65	0.08	0.13	258	<10
R0418098	G04-2 204-207	16	<4	89	<.4	<2	19	<1	20	13	10.61	2	40	<5	<5	44	<2	<2	44	15	8	1818	1.84	0.01	3.83	0.44	0.07	0.15	315	<10
R0418099	G04-2 207-210	<1	12	173	<.4	6	8	1	21	25	20.35	<2	27	<5	<5	61	<2	<2	11	10	7	3915	2.95	<.01	7.62	0.89	0.06	0.17	492	<10
R0418100	G04-2 210-213	34	<4	52	<.4	4	12	<1	17	10	7.68	<2	47	<5	<5	47	<2	<2	16	9	4	1156	1.52	<.01	3.05	1.25	0.04	0.2	233	<10
R0418101	G04-2 213-216	109	<4	37	<.4	5	14	<1	13	9	4.78	<2	74	<5	<5	75	<2	3	20	13	10	801	1.26	0.05	2.13	1.88	0.06	0.12	263	<10
R0418102	G04-2 216-219	128	<4	37	<.4	5	18	<1	20	9	4.87	2	70	<5	<5	76	<2	<2	21	7	2	711	1.18	0.07	1.94	1.27	0.07	0.11	278	<10
R0418103	G04-2 219-222	53	<4	39	<.4	2	16	<1	16	9	5.51	<2	71	<5	<5	70	<2	<2	20	9	3	929	1.27	0.03	2.09	1.33	0.06	0.12	275	<10
R0418104	G04-2 222-225	228	<4	44	<.4	2	14	<1	30	13	6.57	3	65	<5	<5	73	3	<2	21	9	10	1067	1.5	0.07	2.48	1.84	0.06	0.09	268	<10
R0418105	G04-2 225-228	122	<4	36	<.4	<2	13	<1	15	10	5.15	<2	81	<5	<5	87	<2	<2	19	8	10	810	1.4	0.1	2.05	1.91	0.06	0.1	263	<10
R0418106	G04-2 228-231	136	<4	29	<.4	<2	17	<1	21	10	4.81	2	67	<5	<5	75	<2	<2	28	7	9	665	1.19	0.08	2.03	1.84	0.06	0.08	249	<10
R0418107	G04-2 231-234	267	<4	18	<.4	<2	22	<1	13	8	5.22	2	62	<5	<5	83	<2	<2	40	6	8	539	1.08	0.06	1.93	1.38	0.07	0.09	264	<10
R0418108	G04-2 234-237	336	<4	23	<.4	4	27	<1	24	10	5.13	2	60	<5	<5	76	<2	<2	33	4	2	535	1	0.06	1.7	1.33	0.07	0.08	271	<10
R0418109	G04-2 237-240	348	<4	17	<.4	<2	52	<1	30	16	4.33	2	65	<5	<5	63	<2	<2	93	4	2	413	0.91	0.05	1.54	1.2	0.08	0.07	276	<10
R0418110	G04-2 240-243	101	<4	48	<.4	<2	58	<1	21	21	6.56	2	101	<5	<5	79	<2	3	95	4	4	1022	1.58	0.03	2.62	0.87	0.07	0.09	331	<10
R0418111	G04-2 243-247.7	30	<4	50	<.4	2	25	<1	14	41	8.01	<2	229	<5	<5	123	<2	<2	36	6	5	1153	2.09	0.09	3.26	0.88	0.08	0.11	436	<10

ANALYTICAL METHODS
ICP PAC sift) or hot Aqua Regia(rocks).
Au Aqua regia decomposition / solvent extraction / AAS

HIGHLAND VALLEY CU.-M

Job V040417R

G2004-03 Date 23-Jul-04

LAB NO	FIELD NUMBER	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	P	Au
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppb
R0414759	G04-03 9.14-12	174	12	33	<.4	101	16	<1	4	3	2.27	6	64	<5	<5	4	<2	<2	2	<2	2	56	0.77	<.01	0.94	0.01	0.04	0.15	49	<10
R0414760	G04-03 12-15	57	5	29	<.4	12	30	<1	11	2	2.21	6	62	<5	<5	7	<2	<2	2	<2	<2	101	0.8	<.01	0.86	0.01	0.04	0.14	36	<10
R0414761	G04-03 18-21	21	8	31	<.4	14	19	<1	4	3	1.46	13	77	<5	<5	6	<2	<2	<2	2	<2	82	0.95	0.01	1.08	0.01	0.05	0.15	36	<10
R0414762	G04-03 21-24	66	<4	15	<.4	5	16	<1	3	3	1.27	3	59	<5	<5	6	<2	2	<2	2	3	71	0.83	0.01	0.91	0.02	0.09	0.17	31	<10
R0414763	G04-03 24-27	47	4	37	<.4	18	56	<1	25	19	6.2	7	61	<5	<5	109	<2	<2	15	6	2	463	3.63	0.03	3.42	0.14	0.07	0.29	120	<10
R0414764	G04-03 27-30	20	7	58	<.4	121	44	<1	33	25	9.14	3	81	<5	<5	208	<2	<2	25	4	<2	762	5.74	0.04	5.33	0.31	0.08	0.52	282	<10
R0414765	G04-03 30-33	32	4	40	<.4	64	35	<1	30	21	6.44	3	69	<5	<5	122	<2	<2	12	2	<2	453	3.94	0.04	3.38	0.14	0.08	0.38	105	<10
R0414766	G04-03 33-36	21	<4	18	<.4	19	30	<1	15	8	3.96	3	50	<5	<5	21	<2	<2	7	2	<2	151	1.43	0.01	1.52	0.2	0.05	0.27	104	<10
R0414767	G04-03 36-39	13	<4	28	<.4	4	13	<1	16	5	2.48	5	42	<5	<5	14	<2	<2	2	3	<2	175	1.01	<.01	1.01	0.32	0.05	0.09	140	<10
R0414768	G04-03 39-42	28	<4	28	<.4	3	36	<1	12	10	3.58	5	44	<5	<5	56	<2	<2	12	5	3	307	2.02	0.04	1.85	0.26	0.05	0.31	332	<10
R0414769	G04-03 42-45	285	<4	37	<.4	156	20	<1	22	16	4.42	8	63	<5	<5	77	<2	<2	4	2	<2	374	2.51	0.02	2	0.2	0.04	0.19	144	<10
R0414770	G04-03 45-48	38	6	74	<.4	7	50	<1	29	16	8.62	3	57	<5	<5	223	<2	<2	38	3	<2	826	5.07	0.03	5.05	0.29	0.07	0.48	239	<10
R0414771	G04-03 51-54	27	<4	27	<.4	264	38	<1	18	12	4.94	7	62	<5	<5	74	<2	<2	5	<2	<2	413	2.82	0.04	2.61	0.35	0.05	0.4	135	<10
R0414772	G04-03 54-57	9	<4	18	<.4	2	37	<1	12	2	4.68	10	44	<5	<5	24	<2	<2	5	2	<2	193	1.38	0.03	1.67	0.12	0.08	0.43	345	<10
R0414773	G04-03 57-60	8	<4	19	<.4	7	42	<1	9	2	3.81	4	44	<5	<5	32	<2	<2	5	2	6	175	1.44	0.03	1.64	0.16	0.05	0.46	284	<10
R0414774	G04-03 60-63	10	<4	19	<.4	23	48	<1	12	3	3.97	4	43	<5	<5	32	<2	<2	6	2	<2	196	1.62	0.04	1.91	0.08	0.05	0.54	225	<10
R0414775	G04-03 63-66	3	<4	18	<.4	<2	38	<1	9	3	2.98	2	50	<5	<5	22	<2	<2	4	2	3	151	1.34	0.04	1.45	0.06	0.05	0.4	164	<10
R0414776	G04-03 66-69	4	<4	11	<.4	<2	12	<1	7	2	2.09	2	51	<5	<5	9	<2	<2	2	<2	2	85	0.77	0.01	0.82	0.04	0.09	0.13	81	<10
R0414777	G04-03 69-72	15	<4	17	<.4	<2	53	<1	9	2	3.02	3	42	<5	<5	29	<2	<2	12	2	<2	171	1.57	0.03	1.69	0.13	0.09	0.43	161	<10
R0414778	G04-03 72-75	13	<4	23	<.4	23	39	<1	8	1	2.97	2	39	<5	<5	23	<2	<2	5	2	2	235	1.63	0.03	1.51	0.11	0.05	0.32	196	<10
R0414779	G04-03 75-78	11	<4	24	<.4	10	35	<1	7	3	2.51	18	42	<5	<5	15	<2	<2	4	2	4	209	1.26	0.03	1.2	0.11	0.08	0.23	165	<10
R0414780	G04-03 78-81	13	<4	16	<.4	25	34	<1	5	2	2.68	6	40	<5	<5	9	<2	<2	5	2	3	134	0.87	0.01	0.96	0.11	0.09	0.18	169	<10
R0414781	G04-03 81-84	16	4	26	<.4	<2	31	<1	7	2	2.76	3	45	<5	<5	16	<2	<2	4	3	4	254	1.47	0.03	1.36	0.2	0.06	0.24	211	<10
R0414782	G04-03 84-87	14	<4	19	<.4	2	17	<1	5	2	2.95	5	44	<5	<5	11	<2	<2	3	3	6	158	0.96	0.01	0.91	0.13	0.1	0.12	210	<10
R0414783	G04-03 87-90	11	<4	14	<.4	<2	23	<1	9	3	2.5	2	47	<5	<5	10	<2	<2	4	3	<2	116	1	0.01	0.9	0.16	0.09	0.12	287	<10
R0414784	G04-03 90-93	19	<4	17	<.4	<2	24	<1	14	3	2.81	12	45	<5	<5	16	<2	<2	6	3	<2	129	1.28	0.01	1.1	0.15	0.06	0.15	260	<10
R0414785	G04-03 93-96	14	<4	20	<.4	<2	11	<1	18	4	2.5	33	50	<5	<5	16	<2	<2	3	3	<2	165	1.39	0.02	1.11	0.16	0.06	0.09	286	<10
R0414786	G04-03 96-99	20	<4	22	<.4	4	24	<1	9	4	2.86	21	42	<5	<5	16	<2	<2	7	3	<2	185	1.42	0.01	1.31	0.12	0.06	0.13	218	<10
R0414787	G04-03 99-102	39	<4	38	<.4	6	54	<1	11	9	4.57	34	51	<5	<5	90	<2	<2	41	5	3	418	3.53	0.03	3	0.31	0.09	0.31	358	<10
R0414788	G04-03 102-105	49	<4	42	<.4	28	34	<1	16	11	6.39	62	26	<5	<5	126	<2	<2	22	4	3	475	4.54	0.02	3.9	0.2	0.09	0.32	228	<10
R0414789	G04-03 105-108	17	8	61	<.4	<2	74	<1	13	13	5.45	3	31	<5	<5	145	<2	<2	52	5	<2	605	4.57	0.04	4.25	0.39	0.08	0.44	210	<10
R0414790	G04-03 108-111	14	<4	30	<.4	11	60	<1	6	2	3.22	<2	36	<5	<5	35	<2	<2	7	3	2	255	2.32	0.03	2.31	0.11	0.05	0.41	132	<10
R0414791	G04-03 111-114	9	<4	21	<.4	<2	47	<1	5	2	3.21	4	58	<5	<5	22	<2	<2	13	2	<2	204	2.29	0.05	2.55	0.13	0.09	0.6	138	<10
R0414792	G04-03 114-117	10	<4	41	<.4	36	27	<1	9	5	3.76	8	48	<5	<5	69	<2	<2	5	7	2	471	2.65	0.09	2.22	0.29	0.05	0.17	218	<10
R0414793	G04-03 117-120	33	<4	59	<.4	69	35	<1	24	14	6.3	6	37	<5	<5	153	<2	<2	10	5	2	934	5.81	0.18	4.37	0.48	0.04	0.43	354	<10
R0414794	G04-03 120-123	44	<4	14	<.4	75	12	<1	6	2	2.05	5	51	<5	<5	6	<2	<2	2	3	4	101	0.74	<.01	0.78	0.13	0.06	0.08	233	<10
R0414795	G04-03 126-129	113	4	15	<.4	64	13	<1	22	3	3.16	50	47	<5	<5	12	<2	<2	5	4	2	153	0.85	0.01	1	0.38	0.09	0.13	214	<10
R0414796	G04-03 129-132	75	<4	13	<.4	83	12	<1	14	3	3.07	36	51	<5	<5	9	<2	<2	4	5	2	136	1.07	0.01	1.12	0.22	0.05	0.14	253	<10
R0414797	G04-03 132-135	38	<4	10	<.4	97	19	<1	6	5	3.06	6	50	<5	<5	13	<2	<2	4	3	<2	116	1.1	0.02	1.13	0.14	0.05	0.26	237	<10
R0414798	G04-03 135-138	59	<4	28	<.4	74	39	<1	19	50	5.17	8	140	<5	<5	58	<2	<2	38	2	4	326	3.12	0.04	3.12	0.26	0.07	0.64	195	<10
R0414799	G04-03 138-141	50	<4	42	<.4	7	32	<1	26	104	6.62	9	332	<5	<5	139	<2	<2	22	3	5	548	5.28	0.07	3.91	0.34	0.05	0.55	260	<10
R0414800	G04-03 144-147	12	<4	19	<.4	7	36	<1	14	12	4.36	3	53	<5	<5	58	<2	<2	14	2	<2	168	2.3	0.05	2.56	0.11	0.06	0.57	228	<10
R0414801	G04-03 150-153	15	<4	18	<.4	8	62	<1	7	3	2.7	8	60	<5	<5	34	<2	<2	9	4	4	156	2.2	0.05	2.16	0.1	0.05	0.56	167	<10
R0414802	G04-03 153-156	40	<4	26	<.4	117	35	<1	11	17	4.94	2	46	<5	<5	119	<2	<2	6	4	6	289	3.62	0.05	3.34	0.11	0.04	0.4	234	<10
R0414803	G04-03 156-159	18	<4	12	<.4	4	22	<1	6	3	2.39	5	54	<5	<5	26	<2	<2	3	3	<2	111	2.06	0.01	1.73	0.08	0.04	0.21	236	<10
R0414804	G04-03 159-162	31	<4	9	<.4	<2	20	<1	8	4	1.46	20	60	<5	<5	21	<2	<2	2	2	<2	72	1.53	<.01	1.25	0.03	0.04	0.15	94	<10
R0414805	G04-03 162-165	7	<4	8	<.4	3	27	<1	2	3	1.36	9	65	<5	<5	14	<2	<2	4	<2	2	79	1.71	0.01	1.59	0.03	0.04	0.37	13	<10
R0414806	G04-03 165-168	33	<4	11	<.4	6	29	<1	14	5	3.25	11	54	<5	<5	21	<2	<2	5	3	<2	92	1.89	0.01	1.75	0.12	0.04	0.31	363	<10
R0414807	G04-03 168-171	24	<4	17	<.4	7	40	<1	7	3	3.07	11	50	<5	<5	35	<2	<2	6	3	3	105	2.05	0.03	2.14	0.12	0.05	0.53	339	<10
R0414808	G04-03 171-174	11	<4	27	<.4	4	78	<1	15	1	4.41	<2	25	<5	<5	127	<2	<2	11	2	<2	252	4.53	0.12	3.97	0.15	0.06	1.07	324	<10
R0414809	G04-03 174-177	18	<4	22	<.4	6	67	<1	8	5	2.73	<2	46	<5	<5	37	<2	<2	8	3	3	162	2.4	0.07	2.71	0.12	0.05	0.78	232	<10
R0414810	G04-03 204-207	107	<4	85	<.4	<2	68	<1	16	4	3.98	<2	47	<5	<5	117	<2	<2	12	7	2	651	2.39	0.13	2.26	0.3	0.06	0.53	279	<10
R0414811	G04-03 207-210	85	<4	112	<.4	3	82	<1	13	4	4.15	<2	47	<5	<5	120	<2	<2	27	9	<2	710	2.31	0.11	2.24	0.27	0.08	0.43	269	<10
R0414812	G04-03 210-213	48	<4	135	<.4	<2	198	<1	9	3	3.96	<2	57	<5	<5	129	<2	<2	21	8	2	806	1.91	0.16	1.94	0.38	0.07	0.52	208	<10
R0414813	G04-03 219-222	43	<4	109	<.4	3	293	<1	14	6	4.15	<2	52	<5	<5	150	<2	<2	4	7	4	605	2.09	0.19	2.06	0.25	0.07	1.02	226	<10
R0414814	G04-03 222-225	34	<4	104	<.4	<2	173	<1	12	5	3.76	2	53	<5	<5	113	<2	<2	6	9	4	669	1.98	0.15	1.87	0.33	0.07	0.54	198	<10
R0414815	G04-03 225-228	51	<4	89	<.4	5	220	<1	13	5	3.86	2	54	<5	<5	111	<2	<2	7	8	<2	613	2.14	0.18	2.15	0.27	0.07	0.88	263	<10
R0414816	G04-03 228-231	36	<4	120	<.4	<2	334	<1	13	4	4.13	<2	51	<5	<5	129	<2	<2	8	6	2	1028	2.23	0.22	2.57	0.28	0.08	1.11	204	<10
R0414817	G04-03 231-234	29	10	104	<.4	5	231	<1	10	5	3.89	<2	46	<5	<5	109	6	<2	6	8	2	712	2.01	0.19	2.11	0.32	0.08	0.95	209	<10
R0414818	G04-03 234-237	11	<4	63	<.4	17	86	<1	5	4	2.8	<2	40	<5	<5	73	<2	<2	6	8	<2	405	1.48	0.14	1.54	0.3	0.07	0.61	173	<10
R0414819	G04-03 237-240	60	<4	45	<.4	21	83	<1	10	2	3.38	2	42	<5	<5	74	<2	<2	16	6	4	389	2.18	0.15	2.01	0.27	0.06	0.87	286	<10
R0414820	G04-03 240-243	16	<4	50	<.4	9	95	<1	9	5	3.41	<2	46	<5	<5	85	<2	<2	10	5	5	345	1.4	0.14	1.84	0.7	0.08	0.74	359	<10
R0414821	G04-03 243-246	33	<4	54	<.4	<2	87	<1	8	4	3.17	<2	49	<5	<5	61	<2	<2	15	5	<2	333	1.79	0.15	1.92	0.4	0.08	0.91	373	<10
R0414822	G04-03 246-249	10	<4	74	<.4	4	67	<1	6	1	3.76	<2	41	<5	<5	62	<2	<2	20	4	2	429	2.05	0.14	2.14	0.25	0.07	0.84	291	<10
R0414823	G04-03 249-251	45	<4	89	<.4	59	45	<1	10	<1	3.64	3	38	<5	<5	87	<2	<2	28	7	2	459	2.29	0.14	2.2	0.35	0.08	0.89	386	<10
R0414824	G04-03 195-198	68	<4	77	<.4	<2	184	<1	12	4	3.79	<2	51	<5	<5	112	<2	<2	11	5	<2	752	2.1	0.1	2.07	0.24	0.07	0.53	286	<10
R0414825	G04-03 198-201	98	<4	87	<.4	<2	128	<1	11	6	3.84	<2	48	<5	<5	124	<2	<2	18	5	<2	641	2.1	0.11	2.02	0.24	0.07	0.62	298	<10
R0414826	G04-03 201-204	82	<4	86	<.4	<2	103	<1	13	4	3.65	<2	51	<5	<5	121	<2	<2	17	5	<2	656	2.14	0.12	2.08	0.24	0.06	0.71	325	<10
R0414827	G04-03 186-189	7	<4	36	<.4	<2	25	<1	10	2	3.89	<2	36	<5	<5	77	<2	<2	34	5	<2	339	3.16	0.05	2.62	0.28	0.05	0.25	361	<10
R0414828	G04-03 189-192	10	<4	46	<.4	<2	76	<1	81	5	3.99	<2	39	<5	<5	83	<2	<2	19	6	<2	360	2.38	0.09	1.92	0.34	0.05	0.25	287	<10
R0414829	G04-03 192-195	67	<4	88	<.4	<2	372	<1	13	5	3.99	<2	43	<5	<5	114	<2	<2	13	5	2	727	2.25	0.12	2.17	0.25	0.06	0.7	279	<10
R0414830	G04-03 177-180	35	<4	16	<.4	<2	34	<1	13	7	2.75	6	57	<5	<5	19	<2	<2	5	2	2	101	1.45	0.03	1.51	0.09	0.05	0.42	208	<10
R0414831	G04-03 180-183	3	<4	13	<.4	2	18	<1	4	3	1.51	4	51	<5	<5	11	<2	<2	4	3	3	115	1.43	0.01	1.31	0.05	0.04	0.26	45	<10
R0414832	G04-03 183-186	71	<4	25	<.4	19	31	<1	7	9	2.77	5	61	<5	<5	34	<2	<2	3	2	<2	180	2.28	0.01	1.9	0.07	0.03	0.3	128	<10
R0414833	G04-03 147-150	42	6	45	<.4	<2	45	<1	18	14	5.33	<2	54	<5	<5	132	<2	<2	47	3	<2	390	3.83	0.05	3.43	0.26	0.08	0.51	136	<10
R0414834	G04-03 141-144	31	<4	25	<.4	37	57	<1	15	25	4.74	3	114	<5	<5	74	<2	<2	13	2	2	305	3.94	0.04	3.08	0.11	0.04	0.45	236	<10
R0414835	G04-03 216-219	57	<4	114	<.4	<2	142	<1	11	7	3.31	<2	52	<5	<5	109	<2	<2	5	10	2	665	1.76	0.16	1.66	0.35	0.06	0.46	289	<10
R0414836	G04-03 213-216	34	<4	118	<.4	4	310	<1	12	5	3.83	<2	54	<5	<5	133	<2	<2	9	6	3	553	1.93	0.18	1.95	0.25	0.08	0.87	201	<10
R0414837	G04-03 15-18	167	<4	36	<.4	41	52	<1	25	22	5.5	3	60	<5	<5	136	<2	<2	13	3	<2	366	3.87	0.06	3.95	0.1	0.05	0.55	138	<10
R0414838	G04-03 48-51	58	9	80	<.4	29	33	<1	40	28	9.84	2	76	<5	<5	267	<2	<2	20	2	2	976	6.85	0.05	6.27	0.21	0.06	0.58	221	<10
R0414839	G04-03 123-126	202	4	17	<.4	179	12	<1	24	3	3.76	56	49	<5	<5	12	<2	<2	3	3	<2	155	0.84	0.01	1	0.18	0.05	0.12	203	<10

ANALYTICAL METHODS

ICP PACKAGE :0.5 gram sample digested in hot reverse aqua regia (soil silt) or hot Aqua Regia(rocks).

Au Aqua regia decomposition / solvent extraction / AAS

HIGHLAND VALLEY CU.-M

Job V040381R

G2004-4 Date 20-Jul-04

LAB NO	FIELD NUMBER	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	P	Au
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppb
R0413313	G04-4 6.1-9	36	<4	49	<.4	<2	5	<1	8	9	2.88	2	77	<5	<5	138	<2	<2	11	4	<2	224	0.67	0.04	0.7	0.27	0.06	0.02	375	<10
R0413314	G04-4 9-12	74	<4	69	<.4	<2	12	<1	9	11	3.88	<2	71	<5	<5	138	<2	<2	28	5	<2	709	0.91	0.02	1.19	0.55	0.06	0.04	382	<10
R0413315	G04-4 12-15	57	<4	68	<.4	<2	9	<1	9	12	3.96	<2	66	<5	<5	141	<2	<2	19	5	<2	750	1.02	0.03	1.24	0.79	0.06	0.02	392	<10
R0413316	G04-4 15-18	85	<4	44	0.4	<2	19	<1	11	11	3.89	<2	65	<5	<5	133	<2	<2	19	3	<2	563	0.67	0.02	0.93	0.85	0.05	0.07	360	<10
R0413317	G04-4 18-21	66	<4	76	<.4	<2	9	<1	17	18	4.89	<2	72	<5	<5	140	<2	<2	17	3	<2	909	1.44	0.04	1.5	0.68	0.05	0.03	392	<10
R0413318	G04-4 21-24	218	<4	84	<.4	<2	17	<1	16	15	4.79	<2	84	<5	<5	134	<2	<2	30	4	<2	1116	1.46	0.02	1.62	0.81	0.05	0.05	396	<10
R0413319	G04-4 24-27	267	<4	77	<.4	<2	31	<1	43	24	6.06	<2	77	<5	<5	145	<2	<2	26	5	5	666	1.5	0.05	1.62	0.4	0.06	0.11	389	<10
R0413320	G04-4 27-30	157	<4	78	<.4	<2	13	<1	26	21	5.8	<2	73	<5	<5	155	<2	<2	23	7	<2	880	1.55	0.04	1.62	0.53	0.06	0.04	384	<10
R0413321	G04-4 30-33	137	<4	50	<.4	<2	9	<1	23	14	5.03	<2	72	<5	<5	145	<2	<2	15	4	<2	449	0.87	0.03	0.97	0.36	0.07	0.03	371	<10
R0413322	G04-4 33-36	607	<4	53	0.4	<2	10	<1	11	12	4.13	<2	76	<5	<5	158	<2	<2	13	4	3	306	0.73	0.03	0.84	0.49	0.07	0.03	376	<10
R0413323	G04-4 36-39	269	<4	39	<.4	<2	9	<1	25	14	5.18	<2	83	<5	<5	149	<2	<2	22	4	3	416	0.75	0.01	1.29	0.64	0.15	0.03	395	<10
R0413324	G04-4 39-42	106	<4	69	<.4	<2	15	<1	18	16	6.05	<2	75	<5	<5	156	<2	<2	13	6	<2	689	1.4	0.04	1.31	0.46	0.06	0.04	380	<10
R0413325	G04-4 42-45	213	<4	54	<.4	<2	20	<1	34	16	6.97	<2	69	<5	<5	140	<2	<2	21	4	<2	584	1.16	0.02	1.14	0.27	0.05	0.05	332	<10
R0413326	G04-4 45-48	307	<4	97	0.4	<2	29	<1	28	12	9.43	3	69	<5	<5	139	<2	<2	26	5	<2	1254	2.42	0.02	2.3	0.46	0.04	0.1	360	<10
R0413327	G04-4 48-51	157	<4	102	<.4	<2	39	<1	35	22	9.08	<2	76	<5	<5	183	<2	<2	32	5	<2	1279	2.52	0.01	2.43	0.36	0.05	0.11	364	<10
R0413328	G04-4 51-54	52	<4	85	1.1	<2	63	<1	18	20	7.08	<2	77	<5	<5	157	<2	<2	44	7	<2	923	1.91	0.01	1.8	0.42	0.05	0.13	366	<10
R0413329	G04-4 54-57	36	<4	80	<.4	<2	43	<1	11	19	6.37	<2	88	<5	<5	161	<2	<2	30	6	2	969	2.05	0.03	1.8	0.44	0.05	0.11	354	<10
R0413330	G04-4 57-60	220	<4	75	<.4	<2	48	<1	31	16	6.63	<2	64	<5	<5	105	<2	<2	19	6	<2	1112	1.77	0.03	1.65	0.46	0.04	0.12	414	<10
R0413331	G04-4 60-63	186	<4	42	<.4	<2	25	<1	37	5	4.47	6	27	<5	<5	22	<2	<2	4	6	<2	711	1.08	0.03	1.13	0.15	0.04	0.09	392	<10
R0413332	G04-4 63-66	66	<4	39	<.4	<2	16	<1	31	4	3.4	7	31	<5	<5	16	<2	<2	7	7	2	522	0.79	0.01	0.92	0.13	0.04	0.09	341	<10
R0413333	G04-4 66-69	56	<4	39	<.4	<2	22	<1	22	3	4.54	6	35	<5	<5	18	<2	<2	4	7	3	712	0.95	0.05	1.33	0.15	0.04	0.2	299	<10
R0413334	G04-4 69-72	19	<4	49	<.4	<2	19	<1	13	3	4.19	<2	35	<5	<5	17	<2	<2	3	7	<2	805	0.87	0.04	1.25	0.11	0.04	0.19	270	<10
R0413335	G04-4 72-75	25	<4	40	<.4	4	17	<1	24	3	5	<2	33	<5	<5	23	<2	<2	2	8	<2	899	1.21	0.05	1.6	0.19	0.03	0.12	379	<10
R0413336	G04-4 75-78	30	<4	36	<.4	<2	13	<1	35	5	3.93	<2	41	<5	<5	21	<2	<2	4	6	<2	697	0.9	0.01	1.07	0.19	0.04	0.07	398	<10
R0413337	G04-4 78-81	45	<4	49	<.4	<2	20	<1	24	9	5.04	<2	59	<5	<5	65	<2	<2	9	9	4	902	1.37	0.02	1.37	0.58	0.04	0.09	406	<10
R0413338	G04-4 81-84	37	<4	91	<.4	<2	41	<1	11	17	7.06	<2	93	<5	<5	163	<2	<2	22	6	3	1339	2.79	0.04	2.42	0.49	0.05	0.13	367	<10
R0413339	G04-4 84-87	443	<4	68	<.4	<2	49	<1	10	17	5.65	<2	93	<5	<5	164	<2	<2	21	5	<2	733	1.81	0.06	1.61	0.54	0.08	0.14	369	<10
R0413340	G04-4 87-90	267	<4	54	<.4	<2	25	<1	8	16	5.15	<2	79	<5	<5	126	<2	<2	13	6	<2	710	1.6	0.04	1.38	0.37	0.05	0.09	402	<10
R0413341	G04-4 90-93	18	<4	36	<.4	<2	19	<1	17	3	3.09	<2	36	<5	<5	27	<2	<2	3	8	<2	478	0.92	0.03	0.88	0.16	0.05	0.09	444	<10
R0413342	G04-4 93-96	431	<4	61	<.4	<2	11	<1	25	27	5.17	19	93	<5	<5	38	<2	<2	7	8	3	813	1.73	0.01	1.55	0.28	0.04	0.06	657	<10
R0413343	G04-4 96-97.54	131	<4	95	<.4	<2	12	<1	51	58	7.87	17	159	<5	<5	61	<2	<2	15	11	12	1792	2.69	<.01	2.27	1.71	0.03	0.06	1264	<10

ANALYTICAL METHODS

ICP PACKAGE :(*silt) or hot Aqua Regia(rocks).*

Au Aqua regia decomposition / solvent extraction / AAS

HIGHLAND VALLEY CU.-M

Job V040381R

G2004-4A Date 20-Jul-04

LAB NO	FIELD NUMBER	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	P	Au
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppb
R0413344	G04-4A 4.88-6	24	<4	46	<.4	<2	26	<1	8	11	3.46	<2	58	<5	<5	115	<2	<2	20	<2	<2	377	0.57	0.02	0.78	0.39	0.05	0.06	413	<10
R0413345	G04-4A 6-9	76	<4	35	<.4	<2	15	<1	12	10	3.78	<2	78	<5	<5	127	<2	<2	15	<2	<2	198	0.29	0.01	0.61	0.37	0.07	0.04	401	<10
R0413346	G04-4A 9-12	234	<4	70	0.5	<2	10	<1	42	17	5.41	<2	73	<5	<5	136	<2	<2	16	2	5	723	0.99	0.02	1.25	0.38	0.05	0.03	397	<10
R0413347	G04-4A 12-15	91	<4	53	<.4	<2	8	<1	21	12	4.77	<2	76	<5	<5	160	2	<2	17	4	2	368	0.6	0.02	0.89	0.36	0.07	0.03	411	<10
R0413348	G04-4A 15-18	129	<4	47	<.4	<2	17	<1	14	12	4.27	<2	58	<5	<5	143	<2	<2	30	5	<2	523	0.72	0.01	1.14	0.53	0.07	0.06	373	<10
R0413349	G04-4A 18-21	143	<4	65	<.4	<2	13	<1	11	15	5.05	2	59	<5	<5	148	<2	<2	24	5	2	748	1.07	0.02	1.25	0.48	0.06	0.04	352	<10
R0413350	G04-4A 21-24	44	<4	66	<.4	<2	19	<1	11	13	4.69	<2	64	<5	<5	156	<2	<2	35	5	<2	645	1.19	0.03	1.33	0.63	0.07	0.04	381	<10
R0413351	G04-4A 24-27	113	<4	57	0.5	<2	33	<1	14	12	4.67	3	58	<5	<5	117	<2	<2	46	4	<2	632	1.26	0.01	1.25	0.59	0.05	0.05	357	<10
R0413352	G04-4A 27-30	175	<4	53	<.4	<2	21	<1	17	11	4.79	9	51	<5	<5	129	<2	<2	21	4	5	493	1.43	0.02	1.17	0.46	0.05	0.07	368	<10
R0413353	G04-4A 30-33	120	<4	37	<.4	<2	5	<1	19	12	4.11	<2	58	<5	<5	145	<2	<2	11	4	<2	383	0.62	0.01	0.71	0.65	0.06	0.02	386	<10
R0413354	G04-4A 33-36	55	<4	61	<.4	<2	5	<1	15	13	4.4	<2	53	<5	<5	124	<2	<2	9	5	<2	1063	1.34	0.01	1.31	1.09	0.05	0.02	387	<10
R0413355	G04-4A 36-39	35	<4	72	<.4	<2	6	<1	16	12	4.34	<2	46	<5	<5	112	<2	<2	10	3	<2	1107	1.53	0.02	1.45	0.7	0.05	0.03	375	<10
R0413356	G04-4A 39-42	64	<4	73	<.4	2	13	<1	16	14	4.86	<2	48	<5	<5	112	<2	<2	23	3	<2	1193	1.79	0.03	1.81	1.14	0.06	0.05	408	<10
R0413357	G04-4A 42-45	36	<4	49	<.4	<2	15	<1	14	12	3.79	<2	49	<5	<5	92	<2	<2	17	3	4	739	1.03	0.02	1.34	1.36	0.05	0.05	371	<10
R0413358	G04-4A 45-48	26	<4	48	<.4	<2	16	<1	13	13	3.98	<2	47	<5	<5	100	<2	<2	16	2	<2	643	1.09	0.03	1.26	0.72	0.06	0.07	380	<10
R0413359	G04-4A 48-51	62	<4	121	<.4	<2	14	<1	23	15	5.8	<2	49	<5	<5	125	<2	<2	10	5	<2	1566	1.95	0.04	1.77	0.66	0.05	0.07	375	<10
R0413360	G04-4A 51-54	14	<4	50	<.4	<2	7	<1	9	8	3.41	<2	56	<5	<5	142	<2	<2	7	3	<2	368	0.57	0.02	0.68	0.36	0.07	0.03	383	<10
R0413361	G04-4A 54-57	31	<4	129	0.4	<2	15	<1	16	12	5.41	<2	54	<5	5	138	<2	<2	13	4	<2	1379	1.38	0.03	1.24	0.33	0.05	0.07	377	<10
R0413362	G04-4A 57-60	117	4	108	<.4	<2	26	<1	70	18	8.97	3	61	<5	<5	146	<2	<2	19	6	<2	2445	2.54	0.04	2.35	0.45	0.04	0.12	374	<10
R0413363	G04-4A 60-63	145	<4	46	<.4	<2	24	<1	23	16	5.15	<2	71	<5	<5	146	<2	<2	37	3	2	676	1.03	0.02	1.1	0.47	0.08	0.06	386	<10
R0413364	G04-4A 63-66	100	<4	52	<.4	<2	22	<1	18	15	4.61	<2	68	<5	<5	154	<2	<2	19	3	<2	494	0.88	0.02	0.99	0.44	0.06	0.05	408	<10
R0413365	G04-4A 66-69	204	<4	65	<.4	<2	12	<1	19	13	3.92	<2	53	<5	<5	136	<2	<2	16	<2	<2	351	0.58	0.02	0.77	0.51	0.06	0.04	398	<10
R0413366	G04-4A 69-72	51	<4	47	<.4	<2	18	<1	13	13	3.79	<2	55	<5	<5	138	<2	<2	24	<2	<2	330	0.69	0.03	0.94	0.6	0.09	0.05	455	<10
R0413367	G04-4A 72-75	39	<4	58	<.4	<2	11	<1	12	10	3.74	<2	53	<5	<5	143	<2	<2	17	2	<2	339	0.56	0.03	0.85	0.54	0.08	0.03	395	<10
R0413368	G04-4A 75-78	52	<4	228	0.4	<2	48	<1	42	23	8.63	3	58	<5	<5	168	<2	<2	33	6	<2	2437	2	0.05	1.91	0.38	0.05	0.15	430	<10
R0413369	G04-4A 78-81	45	<4	133	<.4	<2	25	<1	18	19	5.83	<2	85	<5	<5	159	<2	<2	30	5	<2	1400	1.52	0.03	1.46	0.42	0.06	0.05	397	<10
R0413370	G04-4A 81-84	52	<4	94	0.4	<2	29	<1	22	20	6.29	<2	83	<5	<5	161	<2	<2	23	4	<2	891	1.4	0.04	1.3	0.46	0.05	0.11	400	<10
R0413371	G04-4A 84-87	179	<4	61	<.4	<2	16	<1	28	19	5.23	4	88	<5	<5	113	<2	<2	20	5	<2	783	1.34	0.02	1.2	0.36	0.05	0.07	337	<10
R0413372	G04-4A 87-90	42	<4	86	0.4	<2	15	<1	25	18	5.59	5	89	<5	<5	134	<2	<2	28	4	<2	915	1.54	0.02	1.38	0.31	0.06	0.06	369	<10
R0413373	G04-4A 90-93	95	<4	101	<.4	<2	7	<1	17	20	5.45	5	86	<5	<5	137	<2	<2	16	8	<2	1503	2.05	0.03	1.6	0.73	0.05	0.03	408	<10
R0413374	G04-4A 93-96	106	<4	142	0.8	7	16	<1	61	27	7.14	2	86	<5	<5	145	<2	<2	24	6	<2	1886	2.74	0.03	2.4	0.5	0.05	0.06	456	<10
R0413375	G04-4A 96-99	80	<4	87	0.5	<2	49	<1	30	24	7.21	7	79	<5	<5	140	<2	<2	26	5	<2	1262	2.14	0.03	2	0.49	0.06	0.17	381	<10
R0413376	G04-4A 99-102	33	<4	85	<.4	2	26	<1	28	26	7.92	2	86	<5	<5	157	<2	<2	24	7	3	1183	2.71	0.02	2.47	0.51	0.05	0.09	400	<10
R0413377	G04-4A 102-105	190	<4	51	0.4	<2	40	<1	80	35	7.76	3	84	<5	<5	153	<2	<2	25	5	3	528	1.57	0.03	1.62	0.36	0.07	0.16	382	<10
R0413378	G04-4A 105-108	36	<4	38	0.4	<2	23	<1	12	22	4.4	<2	122	<5	<5	153	<2	<2	37	5	<2	429	1.35	0.03	1.23	0.42	0.08	0.07	367	<10
R0413379	G04-4A 108-111	155	<4	42	0.4	<2	22	<1	22	18	5.06	2	89	<5	<5	172	<2	<2	36	5	<2	413	1.31	0.2	1.33	0.36	0.07	0.06	398	<10
R0413380	G04-4A 111-114	141	<4	90	<.4	<2	10	<1	20	26	7.67	2	101	<5	<5	158	2	<2	17	8	<2	1427	3.3	0.06	2.6	0.56	0.04	0.05	357	<10
R0413381	G04-4A 114-117	121	<4	56	0.4	<2	28	<1	22	72	6.13	<2	242	<5	<5	113	<2	<2	70	6	2	889	2.62	0.01	1.91	0.68	0.05	0.05	381	<10
R0413382	G04-4A 117-120	74	<4	48	<.4	<2	5	<1	17	68	5	<2	338	<5	<5	110	<2	<2	19	4	<2	895	2.65	0.01	2	0.67	0.06	0.02	472	<10
R0413383	G04-4A 120-123	24	<4	27	<.4	<2	9	<1	10	44	2.86	<2	307	<5	<5	91	<2	<2	29	2	<2	358	1.18	0.01	1.04	0.4	0.07	0.02	469	<10
R0413384	G04-4A 123-126	12	<4	24	0.4	<2	8	<1	11	51	2.66	<2	281	<5	<5	82	<2	<2	40	2	<2	450	1.59	0.01	1.48	0.88	0.09	0.02	461	<10
R0413385	G04-4A 126-129	25	<4	14	<.4	<2	5	<1	7	31	2.08	<2	229	<5	<5	90	<2	<2	26	<2	<2	155	0.71	0.01	0.84	0.5	0.1	0.02	435	<10
R0413386	G04-4A 129-132	49	<4	21	<.4	<2	14	<1	9	18	3.11	<2	137	<5	<5	121	<2	<2	24	2	<2	295	1.04	0.03	0.88	0.39	0.07	0.04	439	<10
R0413387	G04-4A 132-135	15	<4	49	0.5	<2	6	<1	13	18	4.46	<2	82	<5	<5	112	<2	<2	20	6	<2	855	2.2	0.03	1.79	1.1	0.05	0.02	382	<10
R0413388	G04-4A 135-138	85	<4	41	<.4	<2	7	<1	11	15	4.17	<2	75	<5	<5	138	<2	<2	11	3	5	524	1.28	0.03	1.16	0.49	0.05	0.04	397	<10
R0413389	G04-4A 136-141	88	<4	58	0.4	3	8	<1	19	19	5.11	<2	86	<5	<5	139	<2	<2	15	5	<2	740	1.86	0.19	1.73	0.52	0.05	0.04	417	<10
R0413390	G04-4A 141-144	73	<4	29	0.4	<2	8	<1	9	12	3.67	<2	71	<5	<5	129	<2	<2	8	<2	<2	238	0.79	0.03	0.79	0.37	0.06	0.04	407	<10
R0413391	G04-4A 144-147	65	<4	53	0.5	<2	7	<1	12	17	4.8	<2	88	<5	<5	155	<2	<2	13	4	3	666	1.71	0.08	1.61	0.98	0.05	0.03	385	<10
R0413392	G04-4A 147-150	57	<4	62	0.6	<2	7	<1	14	18	5.91	<2	90	<5	<5	172	<2	<2	14	7	<2	734	2.13	0.07	1.7	0.55	0.05	0.03	391	<10
R0413393	G04-4A 150-153	38	<4	69	0.5	<2	5	<1	14	16	5.15	<2	86	<5	<5	150	<2	<2	11	8	<2	969	2.65	0.06	1.98	1.12	0.05	0.03	370	<10
R0413394	G04-4A 153-156	141	<4	45	<.4	<2	9	<1	12	15	4.57	<2	86	<5	<5	160	<2	<2	16	7	2	430	1.52	0.05	1.15	0.36	0.06	0.04	379	<10
R0413395	G04-4A 156-159	73	<4	22	<.4	<2	10	<1	9	13	3.33	<2	111	<5	<5	139	<2	<2	12	6	<2	152	0.77	0.04	0.71	0.33	0.07	0.04	408	<10
R0413396	G04-4A 159-162	54	<4	38	<.4	<2	16	<1	11	14	4.3	<2	86	<5	<5	163	<2	<2	16	7	<2	320	1.36	0.06	1.07	0.32	0.07	0.1	399	<10
R0413397	G04-4A 162-165	394	<4	52	<.4	<2	51	<1	17	19	5.65	<2	82	<5	<5	168	<2	<2	80	4	3	380	1.74	0.06	1.61	0.39	0.08	0.25	346	<10
R0413398	G04-4A 165-168	117	<4	32	<.4	<2	19	<1	13	17	4	<2	102	<5	<5	186	<2	<2	36	5	<2	259	1.09	0.04	0.98	0.29	0.07	0.09	370	<10
R0413399	G04-4A 168-171	210	<4	28	<.4	<2	24	<1	9	12	4.08	<2	88	<5	<5	173	<2	<2	28	5	<2	152	0.83	0.05	0.77	0.27	0.07	0.12	371	<10
R0413400	G04-4A 171-174	62	<4	27	<.4	<2	17	<1	10	12	3.51	<2	91	<5	<5	162	<2	<2	29	6	<2	195	1.01	0.07	0.96	0.44	0.11	0.1	387	<10
R0413401	G04-4A 174-177	60	<4	24	<.4	<2	7	<1	9	10	3.64	<2	89	<5	<5	164	<2	<2	17	5	<2	196	0.86	0.07	0.95	0.56	0.08	0.04	398	<10
R0413402	G04-4A 177-180	93	<4	32	<.4	<2	10	<1	14	12	3.9	<2	89	<5	<5	175	<2	<2	17	6	<2	181	1.19	0.08	1.02	0.53	0.06	0.06	375	<10
R0413403	G04-4A 180-183	242	<4	29	<.4	<2	13	<1	13	13	4.09	<2	85	<5	<5	178	<2	<2	15	4	<2	162	0.97	0.06	0.92	0.46	0.08	0.09	400	<10
R0413404	G04-4A 183-186	240	<4	47	<.4	<2	10	<1	17	15	4.93	<2	85	<5	<5	179	<2	<2	27	7	7	341	1.46	0.06	1.25	0.63	0.08	0.05	420	<10
R0413405	G04-4A 186-189	67	<4	42	<.4	2	5	<1	10	12	3.63	2	82	<5	<5	160	<2	<2	15	5	<2	230	1.01	0.04	0.89	0.44	0.07	0.03	411	<10
R0413406	G04-4A 189-192	31	<4	18	<.4	<2	6	<1	6	7	3.03	<2	77	<5	<5	153	<2	<2	19	2	<2	113	0.43	0.03	0.56	0.4	0.08	0.03	426	<10
R0413407	G04-4A 192-195	59	<4	20	<.4	<2	10	<1	8	9	3.15	<2	77	<5	<5	152	<2	<2	29	2	<2	113	0.49	0.04	0.62	0.45	0.08	0.04	399	<10
R0413408	G04-4A 195-198	212	<4	41	<.4	<2	8	<1	11	15	4.21	<2	93	<5	<5	170	<2	<2	35	8	3	342	1.35	0.07	1.18	0.75	0.07	0.04	401	<10
R0413409	G04-4A 198-200	98	<4	40	<.4	<2	6	<1	11	15	3.99	<2	88	<5	<5	161	<2	<2	28	8	2	338	1.32	0.07	1.15	0.71	0.06	0.03	383	<10

ANALYTICAL METHODS

ICP PACKAGE :0.5 silt) or hot Aqua Regia(rocks).

Au Aqua regia decomposition / solvent extraction / AAS

625,000 E

630,000 E

635,000 E

5,610,000 N

5,605,000 N

G-2004-01

G-2004-03

G-2004-02

G-2004-04
G-2004-04A

Getty Copper Claim Boundary

Highland Valley Copper

0 500 1000 1500 2000
metres
NAD 83

Highland Valley Copper

Getty Copper Option

Drill Hole Location Plan

FIGURE 2

Diamond Drill Holes ● New Access Trail ---

File: GettyHVC20040922.dwg Scale 1:20,000 September 14, 2004