

Technical Report on the 2007 Exploration Program

Silver Hart Property

for Work Completed July 10 to September 11, 2007

Claims:

CMC 1-24	YA56628-YA56651
CMC 25-28	YA70616-YA70629
CMC 39-41	YA70708-YA70710
CMC 43-104	YA70712-YA70773
G.L. 1-2	YA99544-YA99545
G.L. 3-10	YA99548-YA99555
G.L. 11	YA99557
G.L. 12-13	YA99546-YA99547

Location:

Watson Lake Mining District  
NTS map 105B/07  
Latitude 60° 20'N      Longitude 130° 43'W

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# Technical Report on the 2007 Exploration Program-Silver Hart Property

## Table of Contents

Summary .....	1
Introduction and Terms of Reference .....	2
Sources of Information and Disclaimer .....	2
Property Description and Location .....	2
Accessibility, Physiography, Climate, Local Resources, and Infrastructure .....	4
History.....	5
Geological Setting.....	7
Regional and Local Geology .....	7
Property Geology .....	7
Deposit Types .....	9
Mineralization.....	9
Exploration 2007.....	10
Drilling 2007.....	14
Sampling Method and Approach .....	19
Sample Preparation, Analyses and Security .....	20
Quality Assurance.....	21
Quality Control .....	23
Data Verification.....	24
Adjacent Properties.....	26
Mineral Processing and Metallurgical Testing .....	26
Mineral Resource and Mineral Reserve Estimates .....	26
Other Relevant Data and Information.....	26
Interpretation and Conclusion.....	27

# Technical Report on the 2007 Exploration Program-Silver Hart Property

Recommendations.....	28
References.....	30
Certificate of Qualifications.....	31

## List of Tables

Table 1: CMC Metals Ltd. Claim List .....	3
Table 2: Summary of Prior Work.....	6
Table 3: Drilling Since 2005 .....	7
Table 4: 2007 Rock Sample Locations and Results.....	11
Table 5: 2007 Drill Collars CMC Silver Hart Property .....	14
Table 6: Significant Intercepts 2007 Drilling.....	18

## List of Figures

Figure 1: Location and Claim Map Silver Hart Property .....	4
Figure 2: Generalized Geology Map Silver Hart Property.....	8
Figure 3: 2007 Exploration Map-Silver Hart Property.....	32

## List of Appendices

Appendix I	2007 Silver Hart Field Notes
Appendix II	2007 Silver Hart Drill Logs
Appendix III	2007 Silver Hart Assays
Appendix IV	2007 Silver Hart Rock Descriptions
Appendix V	2007 Silver Hart QA Charting
Appendix VI	2007 SilverHart QA Twinned Holes
Appendix VII	2007 Silver Hart QC Drilling
Appendix VIII	2007 Acme Analytical Laboratories Certificates

# **Technical Report on the 2007 Exploration Program-Silver Hart Property**

## **Summary**

The Silver Hart property consists of 116 contiguous full and partial claims located 130km west of Watson Lake in south central Yukon. The claims are 100% owned by CMC Metals Ltd. of Vancouver, BC.

The Silver Hart property has seen varied levels of exploration since discovery in 1982 that ranges from grass-roots soil and surface trenching to underground drifting. The property has a historical resource calculation completed by F. Marshall Smith in 1988, prior to the NI 43-101 standards.

The property straddles the contact between siliclastic Cambrian-aged metasedimentary units and a granodiorite phase of the middle Cretaceous-aged Cassiar Batholith. The contact along the granodiorite with the metasedimentary units is variably contact metamorphosed to marble and skarn. A late stage regional fault cuts northerly through the rock packages, and the main fault and related splays have been filled by silver, lead and zinc enriched hydrothermal fluids. The source for the hydrothermal fluids is unknown but geological appears to have affinities with a porphyry/epithermal environment.

The mineralized zone can be traced along the surface for over 1300 metres and averages 0.6 metres true thickness. Overall strike is 045 and dip is 60 east. Quartz veins within the fault zone contain massive to patchy lenses of galena and sphalerite with minor silver sulfosalts and chalcopyrite.

Work in 2007 consisted of a geological reconnaissance of the property and drilling of 786.6 metres of NQ2-sized core from eleven holes. The work program accomplished three goals. The first was validation and confirmation of exploration work carried out prior to NI 43-101. The second was the successful twinning of previous exploration holes utilising the modern methods of drilling, recovery and quality control. The third accomplishment was expanding the potential of the property through new discoveries, including locating previously exposed but undocumented massive galena veining and intersecting moderate-grade zinc mineralization within an ankerite and quartz replaced limestone bed. This latter discovery bodes well for the Silver Hart property in that further bodies of disseminated replacement mineralization may be found within the limestone horizons on the current property.

Exploration work by CMC Metals Ltd. has concentrated on developing the larger, well-explored zones on the property in preparation for calculating a mineral resource. It is recommended that further exploration work be undertaken on the less explored zones, particularly towards the west and east limits of the current claim block, where surface exploration has delineated soil anomalies and alteration gossans.

# **Technical Report on the 2007 Exploration Program-Silver Hart Property**

## **Introduction and Terms of Reference**

This is a geological report detailing the 2007 work program, including observations and recommendations for future exploration on the Silver Hart property. The report is prepared for CMC Metals Ltd. and is acceptable for filing of assessment work under the Yukon Quartz Mining Act (Canada) for the 2007 drilling program undertaken on the property. This report follows the format outlined by National Instrument 43-101 Form F1 and complies with National Instrument 43-101 Standards of Disclosure for Mineral Projects.

CMC Metals Ltd. retained the author to oversee the 2007 drilling program at the Silver Hart mineral property. The author was on site for the duration of the drilling program which commenced July 28 and finished September 6, 2007. Immediately prior to the start-up of the drilling, the author spent 17 days on the property investigating the geology and mineralization, as well as locating and verifying collars of previous drilling, and verifying substantial mineralised intercepts recorded in the 2006 drilling program.

## **Sources of Information and Disclaimer**

Other than the 2007 work and results completed under the supervision of the author, Farrell J. Andersen, all other data presented herein has been compiled from a variety of public and private sources. All previous work on the property was conducted by, or under the supervision of, competent individuals and is deemed to be reliable and of high quality. The author has attempted when possible to validate and verify the previous data, however the lack of documentation, particularly for work pre-2005, makes the task impossible to complete.

The author is unaware of any material fact or material change with respect to the subject matter of this Technical Report that is not reflected in this Technical Report, the omission to disclose which makes the Technical Report misleading.

## **Property Description and Location**

The Silver Hart property is centered at 60°20'N latitude, 130°43'W longitude and plots on the 1:50000 scale NTS map 105B/07. The property is located 26km north of the Alaska Highway and is 130km west of Watson Lake and 320km east of Whitehorse.

The Silver Hart property occupies an area of approximately 2172 hectares comprising 116 contiguous full and partial mining claims staked within the Watson Lake Mining district in accordance with the Yukon Quartz Mining Act (Canada). The claims are 100% owned and registered in the name of CMC Metals Ltd. and are currently all in good standing. The ownership, status and expiry of the current claim holdings as sourced from the Yukon Mining Recorder website are listed in Table 1. A legal survey (plan no.70722) was conducted by Glen Lamerton from September 12 to October 12, 1986 on claims CMC 5-12, CMC 25-28 and Lots 1001-1011.

## Technical Report on the 2007 Exploration Program-Silver Hart Property

Table 1: CMC Metals Ltd. Claim List

Claim Name	Claim Number	Number of Claims	Grant/Record Number	Original Record Date m/d/yr	Expiry Date m/d/yr
CMC	1-24	24	YA56628-YA56651	11/09/1983	27/10/2010
CMC	25-38	14	YA70616-YA70629	30/09/1983	27/10/2010
CMC	39-41	3	YA70708-YA70710	25/10/1983	27/10/2010
CMC	43-104	62	YA70712-YA70773	25/10/1983	27/10/2010
G. L.	1-2	2	YA99544-YA99545	20/10/1986	27/10/2010
G.L.	3-10	9	YA99548-YA99555	22/10/1986	27/10/2010
G.L.	11	1	YA99557	27/10/1986	27/10/2010
G.L.	12-13	2	YA 99546-YA99547	20/10/1986	27/10/2010

Above information obtained from Department of Energy Mines and Resources web site of the Yukon Government

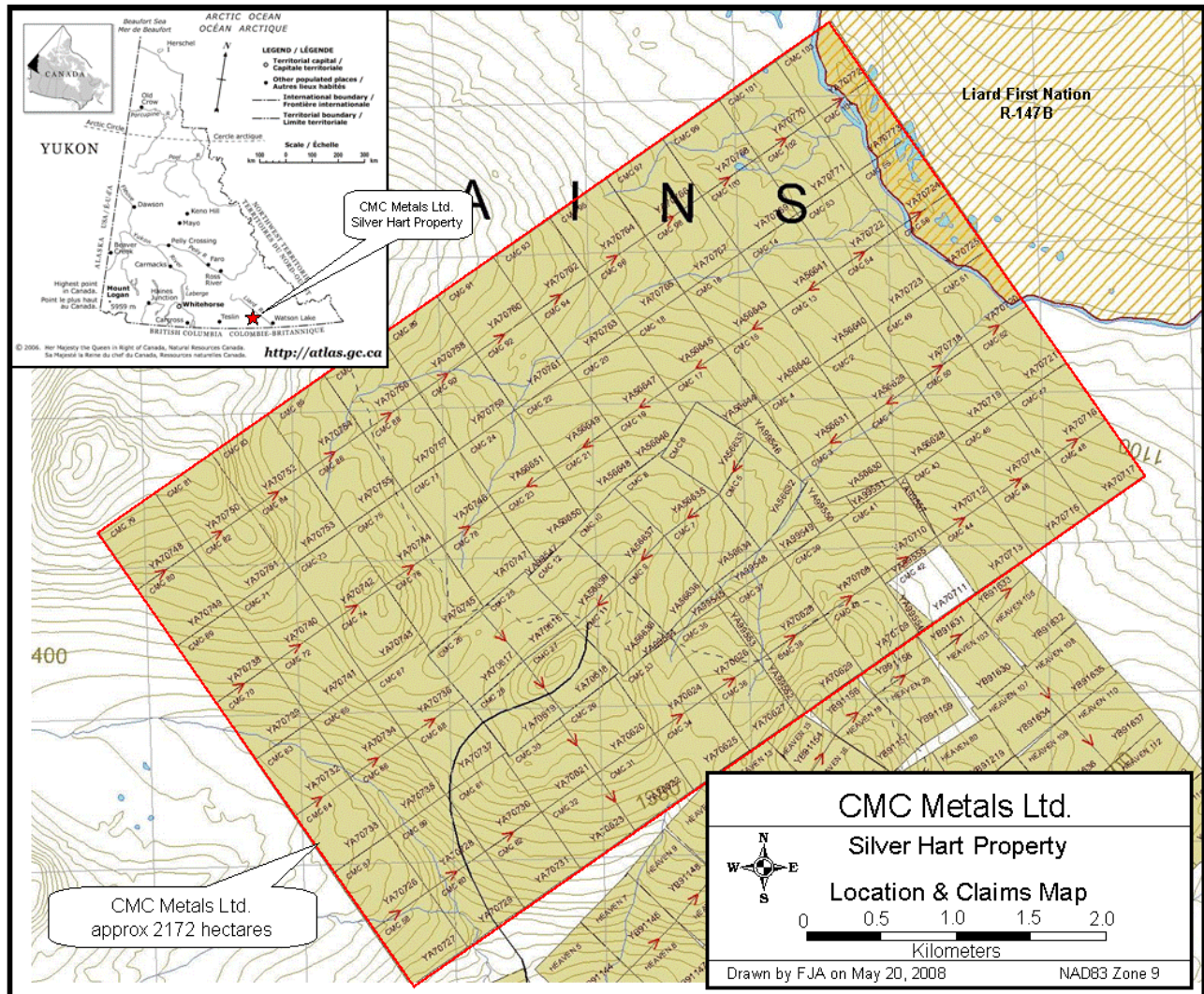
The claims are located within the traditional territory of the Liard First Nation (LFN), whom has not yet settled their land claim agreement. A large block of withdrawn land noted on claim maps as LFN R-147B locates near and along the northeast boundary of the claim group (Figure 1). It is unknown to the author whether the Liard First Nation is supportive of the efforts of CMC Metals Ltd. The claims are also subject to a trapping concession held by Jim Smarch of Teslin, Yukon. Mr. Smarch appears supportive of CMC Metals Ltd. efforts in the region.

The author is unaware of any environmental or legal liabilities or other outstanding issues, such as but not limited to, royalties and back in rights in regards to the Silver Hart property.

To comply with the Mining and Land Use Regulations of the Yukon, a Class III Land Use permit (LQ00213) was obtained by CMC Metals Ltd. in May 2007. This permit is issued for 5 years and allows activities up to a certain threshold as outlined in the Quartz Mining Land Use Regulations of the Yukon Quartz Mining Act (Canada).

# Technical Report on the 2007 Exploration Program-Silver Hart Property

Figure 1: Location and Claim Map Silver Hart Property



## Accessibility, Physiography, Climate, Local Resources, and Infrastructure

Access to the claims in summer and fall is via a 43-km long gravel road that turns north off the Alaska Highway at Km 1116, approximately one km east of the seasonally operated Continental Divide Lodge. The nearest settlement is Swift River, Yukon. The gravel access road follows a chain of lakes to Edgar Lake where it climbs steeply to the alpine and the location of the exploration camp and old workings.

Physiographically, the claims locate in the Cassiar Mountains. Glaciation has formed U-shaped valleys and peaks having rounded tops with steep slopes. Elevation ranges from approximately 950m to 1570m above sea-level. Drainage from the property flows northerly into the Meister River or southerly into a chain of lakes that form the headwaters for the



## **Technical Report on the 2007 Exploration Program-Silver Hart Property**

Rancheria River. The climate is generally cool with moderate precipitation, mostly as afternoon summer showers and winter snowfall. Vegetation on the property is composed of balsam fir, rarer black spruce and abundant alder and dwarf birch, with the higher slopes locating above tree line. Soil cover is thin and glacial till is extensive. Permafrost is found in patches on north and east facing slopes, and in thickly forested areas. The exploration season starts in late May to early June and can be extended to early October, at which time the weather makes it too inhospitable atop the mountain. The period from late June to early September is free of snow cover.

Watson Lake (2006 population 846) is the closest location for supplies, though fuel, meals and lodging can be acquired at the various lodges located east and west of the Alaska Highway turnoff to the property.

The old exploration camp, which is in very poor condition, has been used for the exploration programs since 2005. At this camp are two poorly constructed wall-tents frames and a make-shift washhouse, along with dilapidated trailers and worn plywood shacks remnant from the exploration camp of the early 1980's. A trailer camp brought on site in 1986 was demolished in 2006. The steel Quonset hut erected in 1986 is still standing in reasonable shape, and houses the drill core from the 2005 drilling campaign. The fuel tanks reported on site (Read and McRea, 2005) have not been used or removed, and their conditions are assumed similar to that of 2005. A 20-person trailer camp was brought onto the site in 2007. Further details about the camp have not been disclosed to the author.

During summer 2007, the access road was upgraded by ditching of road side, the placement of culverts at washed out crossings, widening of narrow stretches and levelling of grade. The road program was undertaken separately to the exploration program and exact details of work done have not been disclosed to the author.

Some water for camp and drilling is available from natural and man-made ponds, though sources dry up towards late summer and hauling of water is required to maintain any lengthy programs. There is a strong flow from the underground portal that would be adequate supply for drilling however the condition of the water is unknown and assumed to not be potable. The portal to the underground workings was purposely caved-in for safety reasons in 2006.

### **History**

The Silver Hart property has seen varied exploration since the discovery of high-grade silver veins in 1982. Previous reports have adequately summarised the historic work, including detailing the resource calculated for the TM zone prior to NI43-101 coming into effect. The reader is referred to the 2005 technical report titled "Technical Report on the CMC Silver Property" by WS Read and JA McRea, for a comprehensive history of work on the Silver Hart property prior to 2005 (Read and McRea, 2005). This report is available on the SEDAR website [www.sedar.com](http://www.sedar.com). A modified compilation of historic work taken from that report has been listed in Table 2. The table has been modified in that the individual references for previous work have been removed, and work conducted in 2005 and 2006 has been added.



## Technical Report on the 2007 Exploration Program-Silver Hart Property

Table 2: Summary of Prior Work\*

Year	Description of Work
1970's	Detailed mapping and sampling located skarn-hosted vein and replacement lead and zinc mineralization, now known as the S zone.(renamed K-zone by CMC Metals Ltd. in 2005-FJA)
1982	The claims were optioned to BRX Mining and Petroleum Ltd. Geophysical work was conducted and two holes were drilled.
1983	T. McCrory and B. Preston discovered two additional zones of silver-lead-zinc mineralization, the F and T zones
1984	
1985	Shakwak Exploration Company Limited and Silver Hart Mines Ltd. gained interest in the property. To test the continuity of the zones along strike and down dip, 50 diamond drill holes were completed totaling 3644 m. Preliminary grid geophysical (VLF) and geochemical surveys (collection of 455 soil samples) were conducted. A road was constructed from the Alaska Highway to the campsite.
Winter 1985-86	The T-zone was explored underground just above 1400 m elevation. The new portable camp and steel Quonset machine shop was installed.
Summer-Fall 1986	Extensive work completed, involving line cutting and grid extension, geological mapping, detailed surveying, soil sampling (2,394 samples), geophysical testing, and deep trenching of veins with excavator and bulldozer, along with diamond drilling (16 holes totaling 932 m), percussion drilling (11 holes totaling 463.6 m), and road extension and improvement.
1987	Silver Hart drilled 4 holes for 609.6 on the main showing and bulldozer trenched on the surrounding claims.
1988	Following a feasibility study in 1988, a \$10 million deal was signed with Morgan-Gundy to put the property into production however a drop in silver prices lead to the project's eventual cancellation.
1992	Trenching and environmental reclamation was carried out in July and Aug/92.
1993	A 2 Phase surface program included overburden stripping, bedrock ripping and road construction. Phase 2 was environmental reclamation and restoration of waste berms and stockpiles.
1999	Magnetometer and VLF survey with grid rehabilitation and extension of the grid.
2000	Environmental reclamation work, road construction and bedrock stripping.
2005	CMC Metals Ltd. drills 702.2m HQ core in TM, S, KL zones; 99.5m trenching in S, K & KL zones; 2D DP-DP IP survey over the known mineralized zones
2006	CMC Metals Ltd. drills 725.2 metres NQ core and collects 691 soil samples.

\*Table has been modified from Read and McRea, 2005

From 2005 to 2006, CMC Metals Ltd. conducted diamond drilling on the established vein system totalling 1427.4 metres (see Table 3 for a list of drill holes and zones). The drilling proved that the established vein system carries narrow high-grade shoots of Ag, Pb and Zn mineralization throughout the 1300m length tested. The drilling in 2005 was conducted by DJ Drilling Ltd of Watson Lake, Yukon, under the direction of Calgary, Alberta firm Dahrouge Geological Consulting Ltd. Drilling in 2006 was conducted by Pokiak Services Ltd. of Prince George, BC under the supervision of Whitehorse, Yukon firm Aurora Geosciences Ltd. The 2005 drilling program is documented in an assessment report by RA Doherty of Aurum Geological Consultants Ltd. of Whitehorse, Yukon (Doherty, 2006). There was no report produced for the 2006 drilling.

# Technical Report on the 2007 Exploration Program-Silver Hart Property

Table 3: Drilling Since 2005

Year	Drill holes	Zone	Metres
2005	CMC05-01 to 05-03	S	173.49
2005	CMC05-04 to 05-06	K	151.9
2005	CMC05-07 to 05-09	KL	145.7
2005	CMC05-10 to 05-14	TM	231.1
2006	CMC06-01 to 06-02	S	209.15
2006	CMC06-03 to 06-09	KL	463.62
2006	CMC06-10*	F	52.44

\*collar could not be located

Other work involved shallow excavator trenching of 16.6m in the S zone, 10.55m in the K, and 72.3m in the KL zones during 2005, plus collection and analysis of 691 soil samples from the under-explored west side of the property in 2006. An Induced Polarization survey was conducted in August 2005 by Peter E Walcott & Associates Ltd. of Vancouver, BC over the known mineralised zones of the Silver Hart property. No report, interpretations or georeferenced maps have been made available to the author regarding this survey.

## Geological Setting

### Regional and Local Geology

The Silver Hart property is located in a region of southern Yukon/northern BC referred to as the Rancheria Silver District. The Rancheria Silver District is part of the Omineca Belt of the Canadian Cordillera, which consists of several high relief mountain ranges including the Purcell, Selkirk, and Monashee ranges of southern BC, the Omineca and Cariboo ranges of central BC and the Cassiar and Selwyn ranges of northern BC and Yukon. The geology is a mix of accreted volcanic island arc and marginal basins from the west and highly metamorphosed sedimentary (and lesser volcanic) rocks eroded from the Foreland Belt to the east (Figure 2). Both remnant rock types are intruded by Palaeozoic to Tertiary granitic rocks. The units comprising the Omineca Belt are variably deformed by mainly compressional forces from Mesozoic to early Tertiary.

For detailed regional and local geology, the reader is referred to the 2005 technical report (Read and McRea 2005).

### Property Geology

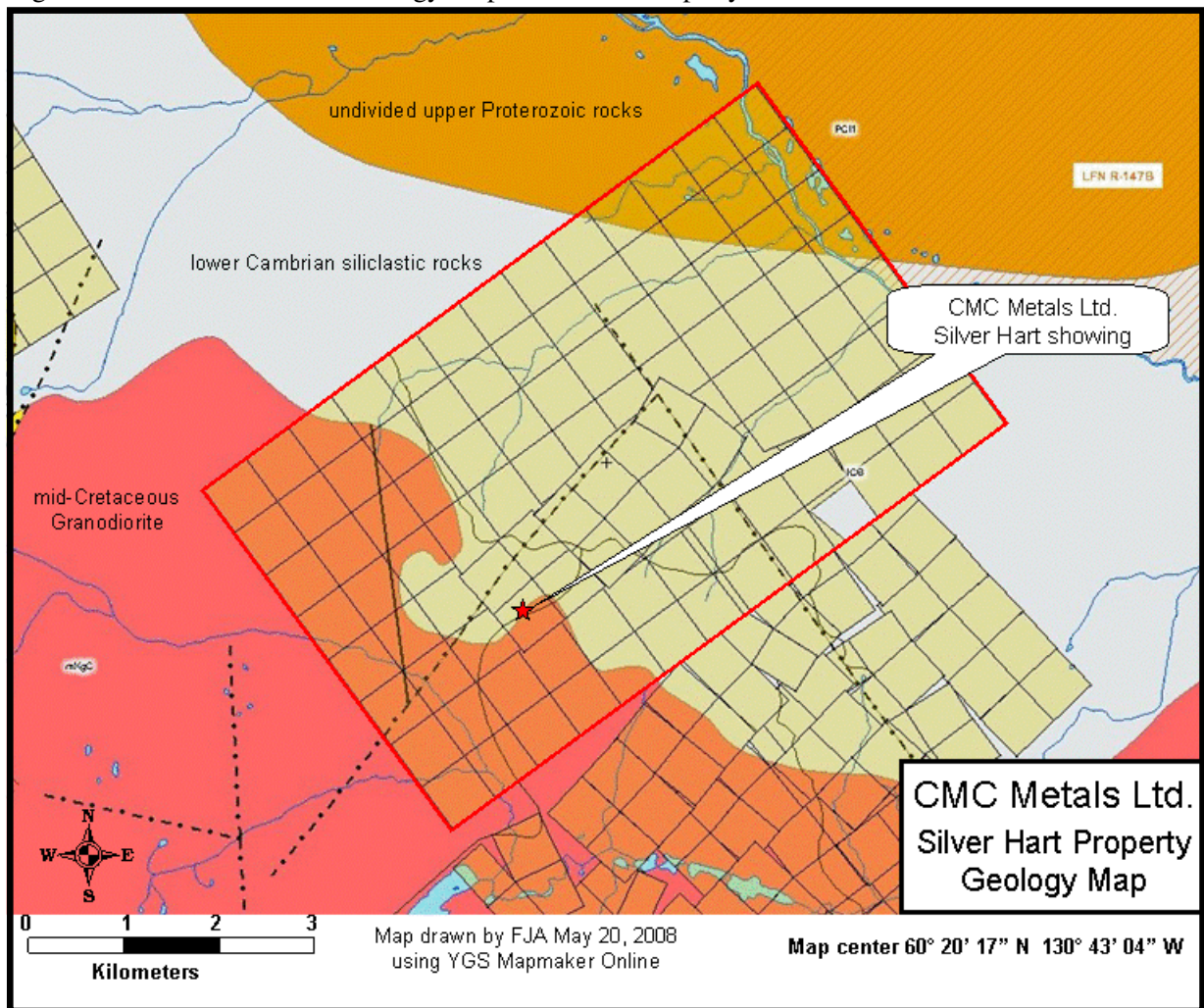
The Silver Hart property of CMC Metals Ltd. locates along the faulted margin between the eastern edge of the Cretaceous Cassiar Batholith and the Cassiar Platform. The Cassiar Platform is a sequence of fine grained carbonate rich clastic rocks and limestone reefs variably metamorphosed to hornfels, schist and marble. The Cassiar Batholith is a compositional pluton of dominantly calc-alkaline affinity. Within the property the limey clastic units proximal to intrusive phases of the Cassiar Batholith have been contact metamorphosed to marble and calc-silicate assemblages dominated by pyroxene, garnet and epidote.

## Technical Report on the 2007 Exploration Program-Silver Hart Property

The overall NNW (315° to 350° true) trend of foliation in the metamorphosed sedimentary units is parallel to bedding and the trend of faulting is dominantly NNE (020° to 045° true). Folding regionally follows a NW trend.

The reader is referred to the 2005 technical report (Read and McRea, 2005) for further details on Property Geology. An assessment report from 1987, also by Read, goes into the regional and local geology at length (Read 1987).

Figure 2: Generalized Geology Map Silver Hart Property



# Technical Report on the 2007 Exploration Program-Silver Hart Property

## Deposit Types

The main deposit type forming the bulk of mineralization is an anastomosing fault-filling quartz vein with massive shoots of galena, sphalerite and silver sulfosalts. Potential economic mineralization is formed with the right combination of ground preparation, rock chemistry and the pressure/temperature regime typical of an epithermal environment. There has never been a precisely defined source for the mineralising fluids, and the author proposes it to be of mixed meteoric and magmatic origin.

Drilling of the M zone in 2007 also located disseminated sphalerite, localised up to 40%, within a massive ankerite plus quartz replaced limestone bed. Although not massive in style, this mineralization indicates the potential for replacement-style mineralised bodies within the current property boundary.

## Mineralization

Mineralization on the CMC property consists of silver rich veins filling a late stage fault zone and its related splays. The main fault zone can be traced along the surface for over 1300m and averages 0.6m true thickness. Overall strike is 045 and dip is 60 east. The quartz veins contain massive to patchy lenses of galena and sphalerite. Minor tetrahedrite is found in the TM zone. Drilling of the M-zone in 2007 discovered disseminated sphalerite with lesser galena mineralization dispersed throughout an ankerite + quartz replaced limestone bed.

A good summary of the mineralization is found in the 1988 report "Reserve Estimate Hart Project" prepared for Silver Hart Mines Ltd. by F. Marshall Smith, and is included below.\*

In general, the veins (T, F and S) all lie near the contact of the sedimentary rocks and the Cassiar Batholith. To date only the T vein/fault is filled in part with one of the andesite dykes. The veins all strike close to the same direction where drilled and sampled, and wall rock alteration in the granitic rocks is epithermal in style with replacement mineralization and manganese flooding in the sedimentary host rocks.

The mineralization is of the epithermal type. The hanging wall alteration consists of varying degrees of claying proximal to the vein, sericite as the next outer shell and finally weak to intense propylitic alteration as the outer-most shell of alteration.

A distinctive feature of this alteration is the pervasive flooding of the hanging wall rock with manganese wad such that the veined areas can be easily located during prospecting. In areas of sedimentary rocks hosting the veins, there are very wide patches of black gossan surrounding the vein and local replacement zones of sphalerite and galena with low silver content.

The 'T' vein strikes N55° to 60°E and dips from 40° to 80°NW. It consists of intensely fractured, oxidized and silicified breccia of argillically altered granodiorite, with at least 5 stages of quartz and/or sulfide filling in right lateral shears. Metallic minerals present in the vein are: sphalerite, galena, chalcopyrite, tetrahedrite (freibergite), pyrite, pyrargyrite, arsenopyrite, covellite, chalcocite, smithsonite and hematite. Accessory minerals are; quartz, calcite, dolomite, and manganese rich carbonates.

## **Technical Report on the 2007 Exploration Program-Silver Hart Property**

The T zone from about sections 9900 to 9700 consists of a series of fault splays all to the west (hanging wall) of the main fault. These splay faults contain massive sulfides or grey quartz fillings. Based on cross-cutting relations there are about 5 ages of filling with the youngest (most western) having the most visible grey freibergite filling, and the next two older zones having the most galena. The early quartz fillings and the quartz zones associated with the galena all contain very fine grained grey sulfides similar to the silver bearing quartz zone at the trench.  
(\*from Smith 1988)

### **Exploration 2007**

Exploration in the 2007 field season took place from July 10 to September 11, and includes drilling 786.6 metres of NQ2 sized core, verification of the 2005 and 2006 physical work, and the geologic investigation of areas targeted for exploration drilling that season and in the future. The 2007 drilling is discussed in a separate section. Field notes from the 2007 season are compiled in Appendix I.

The 2005 and 2006 drill collars were georeferenced in the field in 2007 using a hand-held GPS and compared to the original recorded locations. There was an error of up to 25 metres for some of the collars. This error is attributable to the accuracy of a hand-held GPS. The errant locations were checked at another time and agreed  $\pm 5$  metres with the original recorded locations. Further detail on the GPS surveys of collars and on the verification of 2006 anomalous intercepts is detailed in another section.

The 2005 trench sampling was visually verified but not checked in detail. It appears that some trenches in the KL-zone were excavated but not sampled in 2005.

The 2006 soil sampling undertaken by CMC Metals Ltd. covers a 500m x 300m section of a larger 1986 geochemical grid. The 2006 sample lines were spaced 30-metres apart to cover plus infill the 200-foot spaced soil lines of 1986. There is no documentation for the 2006 soil sampling, but it appears to cover the potential west extensions of the KL and K zones. The sampling starts atop the ridge that seems to bound the fault controlled mineralization and continues northwesterly down the steep slope towards the valley bottom. Soil development varies from poorly developed to non-existent overtop thick colluvium and scree along the steeper slopes, becoming well-developed and loamy at the break in slope and further westerly to the end of the sampling. It is assumed that beyond the limits of the 2006 soil sampling, glacial till and /or frozen ground impacted the ability to obtain quality samples.

Field work in 2007 involved georeferencing the 2006 soil locations in the field using a hand-held GPS, then hand-plotting the analytical results onto vellum and overlaying them on the 1986 grid results. Where soil development was good, the 2006 soil sampling outlines the same anomalous areas as the 1986 program, with very similar values for lead but with zinc values lower by a multiplier of 10. There are also very good 1986 results along the steep westerly slope that were not repeated by the 2006 sampling. These results occur on a steep talus slope with poor soil development, and prospecting this scree slope in 2007 (stations FA07-69 and

## Technical Report on the 2007 Exploration Program-Silver Hart Property

FA07-70) identified large talus blocks of vuggy and cockade quartz breccia with cm-scale galena stringers. These stringers adequately explain the anomalous 1986 results if colluvium samples were collected during that program. The limestone outcrop and talus around the site of the vein breccia has a fetid, sulphurous smell.

Twelve rock samples (see Table 4) were collected from previously excavated trenches in the D-zone, the newly named J- zone, (approximately 100m northeast of the D-zone trench) and from an unmapped trench 170-metres north of the D-zone trench and another unmapped trench located at the highest ridge on the property, west of the K-zone. One rock sample (701251) was collected from float at the location of the highest soil value on the 1986 geochem grid. Complete assays for the rock sampling are included in Appendix III.

Table 4: 2007 Rock Sample Locations and Results

Sample	Station	UTM83E	UTM83N	Width	Type	Ag g/t	Pb %	Zn %	Comment
701247	FA07056	405196	6689080	0.5m	chip	14	0.22	1.15	14m grid south of GPS point
701248	FA07056	405196	6689080	0.12m	chip	3188	83.01	0.03	GPS point 8.4m grid north of GPS point
701249	FA07056	405196	6689080	0.5m	chip	41	2.09	4.51	14m grid south of GPS point
701251	FA07067	405245	6689173	na	float	94	2.51	0.02	
701252	FA07078	404799	6689400	na	grab	1510	65.62	0.16	
701253	FA07113	405228	6688996	3	chip	30	0.63	4.87	
701254	FA07112	405142	6688877	na	grab	39	1.4	2.06	
701256	FA07111	405152	6688914	na	grab	14	0.76	2.3	
701257	FA07110	405166	6688912	5m	chip	111	2.72	3.38	trench sample 0-5m
701258	FA07110	405166	6688912	5m	chip	240	6.21	3.34	trench sample 5-10m; GPS point
701259	FA07110	405166	6688912	5m	chip	121	5.17	1.95	trench sample 10-15m
701261	FA07110	405166	6688912	5m	chip	51	1.95	2.53	trench sample 15-20m

### Rock Samples 701247-249

Unnamed trench, station FA07-56

These samples come from a 45-metre long trench excavated along a northeasterly trending fault occurring at the contact between calc-silicate and gritty limestone. The fault changes orientation from 230/70NW at the west end to 206/73W at the east end of the trench, with a 0.12m x 2m massive galena lens occurring approximately in the middle and occupying the fault with an orientation of 070/85S (similar to the M-zone lens). The samples collected 14-metres west (701249) and 8.4-metres east (701247) of the galena lens consisted of pinch/swell manganese stained white quartz vein fill. Sample 701248 was taken from the massive galena lens. Millimetre scale galena stringers were found at the 701247 sample while sample 701249 was collected at a dilational jog within the fault. The results from the sampling are listed below:

## **Technical Report on the 2007 Exploration Program-Silver Hart Property**

701249 @ 2.1% Pb, 4.5% Zn, 41 g/t Ag, 50cm width  
701247 @ 0.2% Pb, 1.2% Zn, 14g/t Ag, 50cm width  
701248 @ 83% Pb, 0.03% Zn, 3188g/t Ag, 12cm width

The strike length of the sampled zone is considered to be 22.4 metres and the width can be assumed 0.5 meters. Average grade is difficult as the massive lens values (701248) should be capped using accepted standard cutting procedures before calculating a weighted grade.

### Rock Sample 701251

Station FA07-67, 1986 grid coordinate 12400N/11250E

This float sample was collected from a pyrrhotite-rich feldspathic schist boulder near the site of a 1986 soil sample that returned 52000 ppm Pb, 8000 ppm Zn and 17.8 ppm Ag. Outcrop nearby consisted of a fine grained arenaceous sediment with minor calc-silicate horizons. Trenching on structural trend, approximately 100m grid south of the sample site was found on the return traverse. The trenching exposes manganese stained calc-silicate associated with an easterly trending manganese stained fault. No mineralization and no sample tags were noted in the trench.

701251 @ 2.5% Pb, 0.02% Zn, 94 g/t Ag

### Rock Sample 701252

Unnamed trench, station FA07-78, top of mountain, 85m west of K-zone

Quartz vein breccia and quartz + calcite stockwork occur in a dark brown to black gossanous rind on the hangingwall side of a limestone bed. Massive galena stringers and patches, variably oxidized to anglesite occur within the vuggy and crystalline quartz veining. No actual zone orientation is possible, and the gossan appears to be massive replacement of a chemically distinct bed as seen in the D-zone, the M-zone and the S-zone. A selective grab of mineralized pieces from the showing returned high values in lead and silver:

701252 @ 65.6% Pb, 0.2% Zn and 1510 g/t Ag.

A fault trending 042/69S occurring near the collar of drill hole CMC05-004, located down slope from the trench, could be the displacing structure that provides the conduit for fluids to get from the S-zone to the top of the ridge and mineralize the limey gossan sampled by 701252.

### Rock Sample 701253

Newly named J-zone trench, stations FA07-22 & FA07-113

This newly named zone locates 100m northeast of the D-zone trench. A narrow fault-filled quartz + carbonate vein is exposed in a deep trench dug on the north side of a saddle along the apparent trend of the D-zone trench fault (bearing 035 true). Detailed investigation shows a 3-metre wide outcropping gossan to be a "blow-out" of manganese staining occurring where the fault cuts through a folded limey sedimentary horizon within a limestone unit. Irregular sub-cm scale galena stringers and cm-scale massive sphalerite selvages are found on the white quartz vein and irregular shaped sub-cm galena stringers are found on the footwall (south) side of the gossanous exposure.

701253 @ 0.6% Pb, 4.9% Zn, 30g/t Ag, 2-metre width



## Technical Report on the 2007 Exploration Program-Silver Hart Property

It is theorized the J-zone is possibly the northern extension of the D-zone and drill hole CMC SH07-11 was drilled to intersect this exposure at depth. A trench was excavated during the 2007 field season in an unsuccessful attempt to locate the structure in the saddle between the D-zone and the J-zone, but was unsuccessful in locating the structure. The trench exposed massive, unaltered and unmineralized limestone at a one-metre depth that was too hard for the excavator to dig.

### Rock Samples 701254, 701256, 701257-259, 701261

D-zone trench, stations FA07-18 to 21, FA07-110 & 111

Surface mineralization at the D-zone was uncovered post-1988 in a hook shaped trench. The D-zone is a massively manganese stained, non-fetid smelling limestone bed trending 330/66E with an apparent surface width of 5 metres. Within this exposure are several massive galena pods or lozenges that occur in an en-echelon pattern associated with a northeast trending, steeply dipping fault (230/87NW) similar to what is known in the main mineralised structure on the property. Survey pins and old sample tags indicate the trench has been sampled in the past; however no reports on this zone have been located. The massive galena pods were also selectively sampled by CMC Metals Ltd. in 2006, but there was no attempt at that time to ascertain zone continuity, thickness or attitude.

In 2007, representative 5m wide rock chip samples (701257-259 & 701261) were collected along the strike of the altered limestone bed (across the potential mineralizing fault) to identify the exact location of the mineralizing structure, the potential for splays of the structure, and to determine whether the D-zone could have mineralized widths amenable to open-pit mining. The results from the rock samples taken off the replaced limestone body returned an average of 4% Pb, 2.8% Zn and 131 g/t Ag over the 20m width sampled. South of the replaced limestone, representative grabs taken from manganese gossanous material associated with the northeast trending structure return significantly lower silver (39g/t and 14 g/t), lower lead (1.4% and 0.8%) but similar values of zinc (2.1% and 2.3%).

Samples 701254 and 701256 were the representative grab chips from manganese stained fault zones within the D-zone trench south of the replaced beds. Both samples showed leached texture from weathered-out sulphide and sample 701256 also had botryroidal manganese. Sample 701254 was taken from a calcite + quartz filled structure at the south extent of the D-zone trench and sample 701256 was taken 10 metres south of the replaced beds.

701254 @ 1.4% Pb, 2.1% Zn, 39g/t Ag, grab

701256 @ 0.8% Pb, 2.3% Zn, 14g/t Ag, grab

701257 @ 2.7% Pb, 3.4% Zn, 111g/t Ag, 5m width

701258 @ 6.2% Pb, 3.3% Zn, 240g/t Ag, 5m width

701259 @ 5.2% Pb, 2.0% Zn, 121g/t Ag, 5m width

701261 @ 2.0% Pb, 2.5% Zn, 51g/t Ag, 5m width

# Technical Report on the 2007 Exploration Program-Silver Hart Property

## Drilling 2007

Drilling in 2007 was completed by Bertram Drilling Corp. of Carbon, Alberta. Eleven drill holes were completed by Bertram utilizing one 12-hour shift of three personnel from July 29 to August 19, then a two-person crew from August 20 to September 8. The drill was a new rig and suffered the usual problems of new equipment during needing a break-in period. Several days were lost to repairs and moderations. All moderations did not impact how the core was obtained throughout the program.

Three holes were drilled into the TM-zone, one hole was drilled into the proposed Mill site, four holes were drilled into the M-zone, two holes were drilled into the D-zone and one hole was drilled into the J-zone (see Table 5). All 2007 drill core was logged and sampled on the property. The 2007 core is also stored on the property, next to the old exploration camp.

A Barigo altimeter, accurate to  $\pm 10$  feet, and calibrated on 1986 survey stations, was used to take elevation. Locations for the 2007 drill collars were taken using a handheld Magellan GPS. The coordinates are in NAD83 UTM.

Table 5: 2007 Drill Collars CMC Silver Hart Property

Hole	UTM83E	UTM83N	Azimuth	Dip	Length	Elevation	Zone	Start Date	End Date
CMCSH0701	404249	6688931	135	-45	85m	1431m	TM	28/07/2007	29/07/2007
CMCSH0702	404353	6688894	135	-48	117m	1439m	TM	31/07/2007	05/08/2007
CMCSH0703	404282	6688954	135	-45	86m	1435m	TM	06/08/2007	08/08/2007
CMCSH0704	404331	6688995	135	-45	59m	1447m	TM	14/08/2007	16/08/2007
CMCSH0705	404934	6689102	345	-50	62m	1524m	M	17/08/2007	19/08/2007
CMCSH0706	404934	6689102	345	-70	80m	1524m	M	23/08/2007	24/08/2007
CMCSH0707	404911	6689079	316	-50	59m	1519m	M	26/08/2007	27/08/2007
CMCSH0708	404965	6689116	316	-50	59.6m	1521m	M	29/08/2007	30/08/2007
CMCSH0709	405155	6688934	152	-47	50m	1494m	D	31/08/2007	02/09/2007
CMCSH0710	405196	6688932	60	-47	59m	1492m	D	04/09/2007	05/09/2007
CMCSH0711	405209	6689022	316	-47	70m	1492m	J	06/09/2007	08/09/2007

The drill core size was NQ2 and the drill was skid-mounted and dragged into place by bulldozer. Pads were prepped by a Komatsu bulldozer and Hitachi excavator. All pads were made with minimal impact to the ground and newly disturbed sites were cleaned up and recontoured after completion of the drilling.

The pre-collars consisting of collar, backsight and foresight pickets were put in using a Brunton compass mounted on a tripod. The tripod mounted Brunton was also used to line up the drill on the collar and the inclinometer on the Brunton was used to set the head. Once drilling was started and the casing was set, the drill line-up was confirmed with the Brunton and tripod. Accuracy for the 2007 drill holes azimuth and inclination is within one degree.

Frequent visits were made by the author to assess the drilling conditions, core recovery and core handling. Handling of the core by Bertram was exceptionally professional and competent,

## **Technical Report on the 2007 Exploration Program-Silver Hart Property**

and core recovery averaged 94% overall. The worst recovery was returned from holes CMC SH07-09 and CMC SH07-10, both in the D-zone, due to the drilling sub-parallel to bedding in limestone. Recovery improved for the D-zone when the holes drilled through the limestone horizon.

Difficulties with drilling occurred in the TM-zone when drilling through a pervasively clay altered andesite that occurs within and proximal to the mineralized structure. The clay expanded in the core tubes and had to be blasted out under water pressure. Recovery of mineralized zones was not affected by the clay, as the mineral zones at the three holes being twinned occur outside of the andesite. When drilling sub-parallel to bedding in limestones within the D-zone, frequent rod pulls were required due to fractured core blocking the tube.

### TM-zone

Holes CMC SH07-01, CMC SH07-03 and CMC SH07-04

The three holes in the TM-zone were designed to twin 1985 holes to validate the widths and grades of mineralization identified in 1985. The holes chosen for twinning were HS85-07 (CMC SH07-01), HS85-06 (CMC SH07-03) and HS85-05 (CMC SH07-04). The 1985 holes were HQ-sized (63mm diameter) and the 2007 holes were NQ2- sized (59mm diameter). Neither year's holes had differentially surveyed locations. Collar locations for 2007 were hard-chained using Brunton mounted on a tripod from a known 1986 survey point. Accuracy of the 2007 collar can be estimated as  $\pm 5$  metres. Overall, the twinned holes showed good reproducibility for geology and grades, and details on the twinning program are given in the section on Quality Assurance. Recovery was better through the mineralized zones for the 2007 drilling.

The TM-zone holes intersected a main zone of massive sphalerite and silver sulfosalts with lesser amounts of galena over an average downhole width of 0.65m. Based on a surface dip of 70° for the structure hosting the mineralization in the TM pit, the calculated true width is 0.6 metres.

### Mill site

Hole CMC SH07-02

One hole was drilled into the proposed mill site area for condemnation purposes. This hole contained trace to 1% disseminated galena and sphalerite in fracture filling quartz plus calcite veinlets in the upper 16 metres and failed to show any significant mineralization. Visual investigation of the proposed mill and tailings sites did not reveal alteration or mineralization. Rock units seen in the areas comprise unaltered granite to granodiorite with dry fracturing.

### M-zone

Holes CMC SH07-05 to CMC SH07-08

Four holes were drilled into the M-zone to test the down dip and along strike potential of the massive galena pod and mineralized structure found in a trench at the surface. The massive lens strikes 070/64S, has a true thickness of 0.9m and can be traced for 17 metres northeast and 3 metres southwest (station FA07-35). Seven metres to the southwest of the massive pod, the structure hosting the mineralization is faulted off.

## **Technical Report on the 2007 Exploration Program-Silver Hart Property**

Holes CMC SH07-05 and 06 drilled towards the massive pod and succeeded in locating it at depths down hole of 15m and 17.5m respectively. These depths correlate to a 55° dip, and the true thickness of the massive lens is 0.35 metres in hole 5 and 0.20 metres in hole 6. There was also a 0.4 metre (0.35m true) zone of lower grade mineralization in the upper portion of the drill holes (5.1m and 6.6m respectively) that correlates to a 64° dip. The holes were advanced to cover the reported occurrence of parallel veining to the north of the main lens but did not intersect any further mineralization once through the main lens. The massive sulphide lenses contained more sphalerite than galena.

Hole CMC SH07-07 was drilled to locate the mineralized lens offset by faulting. Geologic investigation by the author determined that the massive lens was likely offset to the southeast and the collar was appropriately placed to intersect the zone at a depth of approximately 12 metres below the surface. The hole succeeded in intersecting a 2-metre long zone (core length) approximately 10m below the surface. This zone consists of two massive sulphide lenses (galena > sphalerite). The lens at 12.4m down hole is 0.07m wide, followed by randomly spaced cm-scale sulfide veinlets, and the lens at 14.0 m down hole is 0.15 metres wide. Similar to the previous two holes, a narrow zone of lower grade mineralization was intersected above the massive zones. The location of this zone appears to be coalescing towards the main lens.

Hole CMC SH07-08 was drilled to the northeast of holes 5 and 6 to determine if the northeast extension of the main mineralized structure continues at depth. Again the goal was to intersect the zone at approximately 12 metres below the surface. The massive sulphide lens (galena > sphalerite) was intersected at a depth down hole of 25.1 meters while the lower grade mineralized zone was intersected down hole at 20 meters. Another lower grade zone was intersected at a down hole depth of 13.3 metres. These depths are nearly twice the projected intersection and indicate that the mineralized zone has undergone a change in configuration-either a steepening of dip or offset by cross-faulting. Regardless of the reasoning, the third zone at 13.3 metres down hole would have been missed by holes 5 through 7, as the collars would have been too far advanced to intersect this zone.

The highlight for hole 8 was an extended zone of dolomitization intersected downhole from 26.5 metres to 42.5 metres. The dolomitization is represented by massive ankerite and subordinate quartz replacing limestone beds with grains, spots, blebs, patches, clots and bands of sphalerite and galena disseminated throughout the horizon. Locally the sulphide content ranged to 40% for less than 0.5 meters although the assay results did not reflect such high content of sulphide. Overall, the silver and lead values are quite low while the zinc, though continuous, is of moderate grade (2-5% Zn with occasional sections of 8% to 15% Zn). Due to the drilling being off-section, true width for the zone is difficult to determine but is estimated to be between 7 and 9 metres.

### D-zone

Holes CMC SH07-09 & CMC SH07-10

Two holes were drilled into the D-zone in 2007, at right angles to each other. Hole CMC SH07-09 was targeting the northeast trending structure noticeable in the D-zone, which is a similar trend to the highly mineralized structures elsewhere on the property, while hole CMC

## **Technical Report on the 2007 Exploration Program-Silver Hart Property**

SH07-10 was drilled into the centre of the wide spread northwest/southeast trending manganese gossan and massive galena lensing exposed in the limestone beds at surface in the D-zone trench.

The collar for hole CMC SH07-09 was moved 10 meters to the northeast from its original planned location onto an area previously disturbed by historic exploration activity. The resulting increase in drill azimuth, from 135° to 153°, meant drilling sub-parallel to the bedding-parallel foliation, which impacted the drilling and the recovery. Hole 9 intersected the D-zone at a down hole depth of 17.4 meters to 24.2 meters. This intersection of the D-zone returned silver values less than 75 g/t, negligible lead and low zinc values (2% to 3%) hosted in galena and sphalerite stringers and patches within brown clay and rubbly fault breccia and gouge. One intersection returned a high zinc value of 18% over 1.0 metre (core length). These values are similar in zinc grades but much depleted in the lead grades and half of the silver grades when compared to surface rock chips taken along the replaced/alterd limestone bed in the D-zone trench. The massive and poddy nature of mineralization seen on the surface did not appear in the drill hole.

Hole CMC SH07-10 was drilled orthogonal to all other holes on the property (240° azimuth vs 135/315° azimuths) to ensure that the D-zone was not an outlying style of mineralization different to the rest of the property, such as the replacement mineralization located in hole 8 at the M-zone. Hole 10 was advanced past the interpreted location of the replaced limestone beds and into garnet plus diopside calc-silicate beds. There was no sulphide noted in the hole. The minor mineralization returned occurs within rubbly brecciated and sticky clay fault zones and carries only low grade zinc values (< 2% Zn).

### J-zone

Hole CMC SH07-11

One hole was collared approximately 10 metres in elevation above the J-zone gossan sample. This rock sample (701253) returned 4.9% Zn over a 2-metre wide chip. It was hoped for good results from this hole as during preparation of the drill pad, the plant operator located a narrow, discontinuous veinlet of sphalerite along foliation within laminated quartz-feldspar schist outcrop.

The gossan and associated galena and sphalerite mineralization noted in the trench at surface is associated with a fault trending 230/73N. Hole 11 was drilled orthogonally into the structure and advanced past the interpreted zone without intersecting any mineralization. There was trace galena and sphalerite, and occasional chalcopyrite scattered throughout the hole, often adjacent to pink garnet lamina. Up to 3% interstitial sphalerite was logged over a 0.6m section in the upper part of the hole within host lithology similar to that found during preparation of the pad. This interval returned 3.8% zinc and no silver or lead. A 1.0 metre interval of calc-silicate with quartz-feldspar interbeds located 2.7 metres further down hole returned 1.9% zinc with no silver or lead. Trace sphalerite was logged within this lithology.

The best mineralized interval for hole 11 occurred in the last few metres of drilling where sub-cm lenses of sphalerite and galena were logged within a chlorite and sericite altered biotite-quartz schist. The sulphide becomes pyrrhotite and chalcopyrite further down hole. A 0.5m

## Technical Report on the 2007 Exploration Program-Silver Hart Property

sample from this section of lensy sulphide returned a value of 81g/t silver, 5.7% lead and 2% zinc.

It should be noted that the drilling occurred at low angles to the core axis and all intercepts obtained were sub-parallel to foliation and therefore exaggerated in length. Similarly, due to the core angles and the mineralization being adjacent to distinct lamina, sampling would easily have missed some of the mineralization logged. However there was no occurrence of any massive mineralization in hole CMC SH07-11.

Significant intercepts for the 2007 drilling are listed in Table 6 and complete drill logs are included in Appendix II. Drill assays are listed in Appendix III.

Table 6: Significant Intercepts 2007 Drilling

Sample ID	Hole ID	From_m	To_m	Interval	Ag g/t	Pb%	Zn%
305908	CMCSH0701	33.5	34.2	0.70	2069	2.75	28.28
305948	CMCSH0703	27.8	28.4	0.60	170	0.47	2.75
305952	CMCSH0703	29.6	30	0.40	178	0.04	5.16
305954	CMCSH0703	30.5	31.15	0.65	2011	5.37	27.79
305989	CMCSH0704	37.9	38.5	0.60	39	0.03	4.62
305994	CMCSH0704	40.4	41	0.60	456	1.17	18.94
701004	CMCSH0705	15	15.55	0.55	751	8.13	17.84
701008	CMCSH0705	17.3	18.3	1.00	257	1.48	3.21
701036	CMCSH0706	6.6	7	0.40	156	0.77	1.46
701049	CMCSH0706	17.55	18.2	0.65	605	1.36	21.62
701051	CMCSH0706	18.2	18.8	0.60	63	0.43	3.28
701072	CMCSH0707	10	11.1	1.10	146	2.64	1.45
701076	CMCSH0707	12.4	13.4	1.00	1000	7.64	4.78
701078	CMCSH0707	14	14.4	0.40	1650	11.17	4.46
701088	CMCSH0707	35.7	36	0.30	529	6.13	2.46
701111	CMCSH0708	13.3	14.1	0.80	52	0.84	2.12
701121	CMCSH0708	20	20.6	0.60	152	1.75	8.67
701122	CMCSH0708	20.6	21.2	0.60	97	3.2	2.06
701126	CMCSH0708	25.1	25.7	0.60	2055	40.98	8.57
701128	CMCSH0708	26.45	27.15	0.70	225	0.6	10.34
701129	CMCSH0708	27.15	27.85	0.70	33	0.83	10.49
701131	CMCSH0708	27.85	28.6	0.75	21	0.52	4.79
701132	CMCSH0708	28.6	29.3	0.70	10	0.06	3.21
701134	CMCSH0708	30.2	31.1	0.90	19	1.07	3.26
701136	CMCSH0708	31.1	32	0.90	23	1.21	3.25
701137	CMCSH0708	32	33	1.00	57	2.81	4.54
701138	CMCSH0708	33	33.85	0.85	14	0.58	2.56
701139	CMCSH0708	33.85	34.5	0.65	61	2.6	14.94
701141	CMCSH0708	34.5	35.5	1.00	19	1.34	2.4
701142	CMCSH0708	35.5	36.5	1.00	18	1.18	2.79
701143	CMCSH0708	36.5	37.5	1.00	17	0.77	2.42

## Technical Report on the 2007 Exploration Program-Silver Hart Property

701148	CMCSH0708	40.4	41.4	1.00	12	0.76	2.52
701149	CMCSH0708	41.4	42.5	1.10	10	0.38	3.86
701162	CMCSH0709	17.2	18.2	1.00	15	0.41	2.65
701163	CMCSH0709	18.2	19.2	1.00	65	0.86	3.56
701164	CMCSH0709	19.2	20.2	1.00	72	0.83	2.86
701166	CMCSH0709	20.2	21.2	1.00	43	0.67	2.34
701167	CMCSH0709	21.2	22.2	1.00	50	0.27	3.47
701168	CMCSH0709	22.2	23.2	1.00	13	0.52	18
701178	CMCSH0709	30	31	1.00	9	<0.01	4.07
701216	CMCSH0711	12.7	13.3	0.60	<2	<0.01	3.81
701242	CMCSH0711	59.7	60.2	0.50	81	5.71	1.97

### Sampling Method and Approach

The twelve rock samples collected in 2007 were representative chip samples of outcrop or float. Approximately 1.5kg to 5kg of material was collected into labelled poly-bags. Sample site coordinates were taken with a hand held GPS and field notes were taken in regards to local geology and mineralization. Before submission of the samples, the rock chips were re-examined and described in greater detail. All the rock samples were submitted to Acme Analytical Laboratories in Vancouver, BC to be analysed for 22 elements by ICP-ES and G6 fire assay method for gold and silver. Rock descriptions are in Appendix IV. Rock assays are included with the drill assays in Appendix III.

For the 2007 drilling program, zones of mineralization along with the bounding footwall and hangingwall sections of core were sampled. Sampling continued into unaltered and unmineralized core. A total of 346 samples from the drilling program, including blanks and reference standards, were submitted to Acme Analytical Laboratories of Vancouver, BC. for analysis by ICP-ES.

The drilling was undertaken in metres, so no conversion of footage blocks was necessary. Core was placed into labelled boxes at the site and brought to the core shack either by the driller's helper or by the geologist. Drill progress was checked by the author several times a day and handling procedures for the core were extremely professional and of high quality. Core box labels and metre markers were cross-checked once the core was brought into the logging shed. Only once was a mislabelled marker found. Core was then reassembled prior to photographing and measuring recovery. Core was placed onto an inclined pallet, three boxes at a time and photographed by a 3.1 megapixel digital camera before sampling. The pictures were labelled and stored in a directory for each hole.

Recovery and RQD followed the standard practices of measuring total core recovered versus actual core drilled for recovery and cumulate metres of whole core over 10cm in length for RQD. Samples of interest were marked by the geologist using 3-part sample tags, where one tag was stapled to the start of the interval, one tag was submitted with the sample and the booklet tag stub had details of sample location filled in. The booklets were cross-referenced



## **Technical Report on the 2007 Exploration Program-Silver Hart Property**

with the written drill logs for validity and all checked OK. The core logging and sampling facility was well lit and kept clean.

Core samples were wet-cut using a masonry saw. One half of the core was placed into double-bagged poly bags with the sample tag corresponding to that sample between the two bags to keep it clean and dry. The other half of the core was returned to the box. The cut core was then reviewed by the geologist to identify further mineralization. In cutting the core, a reference line was drawn down the core axis so the same half of core was always sampled. At times the reference lines between samples could not be carried through highly broken sections. The masonry saw was cleaned between every sample.

The drill holes were all logged by the site geologist, Farrell Andersen. Core was geotched by Karen Andersen and Sheryl Bowie. Core was cut by Karen Andersen. Farrell Andersen is registered with the Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA). Karen Andersen has been doing geotechnical work for five seasons and Sheryl Bowie is a student at Thompson Rivers University of Kamloops and it was her first season of field work. All workers performed their jobs professionally and diligently.

There is no detailed documentation of sampling methods prior to the 2007 field program.

### **Sample Preparation, Analyses and Security**

For the 2007 field program, samples to be shipped were placed into poly-weave bags in groups that weighed less than 25 pounds to ensure they were not rejected by the carrier. The poly-weave bags were labeled with the recipient's and sender's addresses on both the bag and on an attached tag, and kept locked in a wooden shed on the property until ready for shipping to Vancouver. Submittal notices were enclosed with each shipment noting the number of bags and number of samples. The samples were delivered by F. Andersen and K. Andersen to the Greyhound Buslines representative at Swift River, Yukon from where they were shipped to Acme Analytical Laboratories of Vancouver, BC. Acme is an ISO 9002 registered facility which internally monitors analytical precision and accuracy through the regular insertion of standards and duplicates into the sample stream.

The sample preparation for both drill core and rocks was technique R150 which involves jaw crushing the material until 70% passing 10-mesh, and then taking a 250g riffle split and pulverizing in a mild steel ring mill until 90% passes 150 mesh.

All core and rock samples were subjected to the 7AR analytical technique. Thirty-eight (38) core samples from the TM-zone were also submitted for gold analysis by Acme's G6-precious metals technique to test for gold values. Group 6 results from the TM-zone returned negligible amounts of gold. As a QA test for ensuring the analytical method of 7AR is adequate, forty-six (46) mineralized samples of the drill core from the TM-zone, including all of hole CMC SH07-03, were submitted to Acme for analysis by both 7AR and by 7TD technique.

## Technical Report on the 2007 Exploration Program-Silver Hart Property

There is no documentation of the sampling preparation, analyses or security prior to 2005. The sample preparation and analysis for the 2005 drilling program is documented in an assessment report (Doherty, 2006). Sample preparation, analyses and security for the 2006 field program is not documented, however the analytical certificates indicate that Acme labs in Vancouver was used and analytical technique 7AR used for core and 1DX technique for soil.

### Quality Assurance

All handling, sampling and logging of the drill core was under the direct supervision of Farell Andersen, a registered geologist with APEGGA, and the program was undertaken in accordance with the Mineral Exploration Best Practice Guideline published by the Canadian Institute of Mining, Metallurgy and Petroleum (CIM). To bring QA to the assaying techniques, two different analytical methods were compared on the drill samples submitted from the TM-zone in 2007. Similarly, to bring QA to the historic drilling in the TM-zone, three holes were twinned using modern quality control (regular insertion of blanks and reference standards) to objectively confirm that confidence can be given to the pre-2005 drilling in the TM-zone.

#### 2007 Comparison of Analytical Methods (TM-zone)

Forty-six (46) samples from the TM-zone drilling were submitted for analysis by both 7AR and 7TD methods. The 7TD method uses an aggressive four-acid attack that dissolves oxides and sulfides.

The 7AR technique is described below and is taken from a pdf document by Acme (Ferguson, 2005)

Aliquots of  $1.000 \pm 0.002$  g are weighed into 100 mL volumetric flasks. Acme's QA/QC protocol requires two pulp duplicates to monitor analytical precision and an aliquot of in-house reference material STD R-1 to monitor accuracy in each batch of 34 samples. Trench and drill core programs will also include a pulp made from a 2nd crushed fraction split (rejects duplicate) to measure method precision.

#### Sample Digestion

30 mL of Aqua Regia, a 2:2:2 mixture of ACS grade concentrated HCl, concentrated HNO<sub>3</sub> and de-mineralised H<sub>2</sub>O, is added to each sample. Samples are digested for one hour in a hot water bath (>95°C). After cooling for 3 hrs, solutions are made up to volume (100 mL) with dilute (5%) HCl. Very high-grade samples may require a 1 g to 250 mL or 0.25 g to 250 mL sample/solution ratio for accurate determination. Acme's QA/QC protocol requires simultaneous digestion of two reagent blanks inserted in each batch.

#### Sample Analysis

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

## **Technical Report on the 2007 Exploration Program-Silver Hart Property**

The 7TD technique is described below and is taken from a pdf document by Acme (Gravel, 2004)

Pulp splits of 1g are weighed into Teflon test tubes.\*

### **Sample Digestion**

A 20 mL aliquot of the acid solution (2:2:1:1 H<sub>2</sub>O-HF-HClO<sub>4</sub>-HNO<sub>3</sub>) is added, heated until flaming on a hot plate and taken to dryness. A 16 mL aliquot of 50% HCl is added to the residue and heated in a hot water bath (~95°C) for 30 minutes. After cooling the solutions are transferred to 100 mL volumetric flasks and made to volume with 5% HCL.

### **Sample Analysis**

Solutions aspirated into a Jarrel Ash Atomcomp model 800 or 975 ICP atomic-emission spectrometer are analyzed for a 22 element package comprising: Ag, Al, As, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, W and Zn. Very high-grade samples may require a 1 g to 250 mL or 0.25 g to 250 mL sample to solution ratio for accurate determination. Acme's QA/QC protocol requires simultaneous digestion of two reagent blanks inserted in each batch.

\*note that the assay certificates and Acme brochure for 2007 specify a 0.5g split is used for method 7TD (FJA)

The intent was to determine whether a total digestive analysis would make any difference in the overall Ag, Pb or Zn grades. Comparing the general statistics and doing relevant charting such as Q-Q plots, scatter plots, Mean Percent Difference graphs and histograms shows the mean and median for Pb and Zn are basically identical however Ag shows a higher variance, standard deviation and mean for the 7TD method.

The plots are included in Appendix V.

### Discussion of 2007 Twinning of 1985 Holes (TM-zone)

There were pdf format copies of drill logs for holes HS85-5 (CMC SH07-05) and HS85-6 (CMC SH07-04) but none for HS85-7 (CMC SH07-01). Azimuths for HS85-5 & 6 were taken off the logs, while the azimuth and dip for HS85-7 had to be taken from the plan drawing. The collar locations for 2007 were placed by using a tripod mounted Brunton and hard-chaining from a known survey point. The pre-2005 drill holes were HQ-size core while the 2007 drilling was NQ2-size.

In the TM-zone zone pit, the andesite dyke is seen to have variable widths and to sometimes be contained within the main fault and other times in the sheared footwall of the fault. The drilling also shows the andesite dyke occurs at differing levels and different widths between the twinned holes.

Sample results for the main mineralized intercepts in the 2007 holes were generally lower in the hole than the corresponding 1985 intercepts. This can be explained by the lack of survey control for the collars and that the fault zone hosting the main mineralization has an erratic width and splays throughout its exposure in the TM-zone. The 1985 intercepts are also shorter

## **Technical Report on the 2007 Exploration Program-Silver Hart Property**

in length and have significantly higher Ag values. This could be accounted for by the larger core diameter in 1985 (HQ), poorer recovery of the mineralized zones in 1985, and the fact that the 1985 drill logging pulled out the individual faults and veinlet zones, whereas logging in 2007 grouped these within the lithologic unit unless the fault/vein appeared to be of significance width or occurrence.

There are no records of assay procedures for the 1985 drilling, and the use of different analytical techniques may also have an impact on the difference in Ag grades. For the main mineralized zones, the 2007 averaged silver values varied by  $\pm 200\text{g/t}$ , zinc values were all higher (+6% Zn) while the lead values were very similar to the 1985 twinned holes.

Overall the correlation between the holes was good for geology, alteration and mineralization indicating that the 1985 values for holes twinned can be accepted as shown on the plans and drawings. A summary of the comparison between the 2007 and 1985 holes is included in Appendix VI.

### **Quality Control**

The Acme QC data was visually checked for obvious errors. The Acme standard values were compared to each other and there are no concerns. The blank inserts all appear good, as do the repeat pulps. The only concern that can be identified is that the prep wash G-1 in certificate VAN07001418 shows minor carryover.

Drill samples for the 2005, 2006 and 2007 drill campaigns were analysed by the same methods and by the same lab (Acme labs 7AR method, R150 prep).

For the 2007 drill sampling QC program, a blank or certified reference material (standard) was inserted every fifth sample to give a total of 35 blanks and 34 standards submitted during the 2007 drilling campaign. Actual charting of the standard values is shown in Appendix VII. The two standards used in the 2007 QC program were purchased from WCM Minerals of Vancouver, BC and are PB120 @ 1.43% Pb, 2.87% & 19g/t Ag and PB121 @ 2.19% Pb, 4.56% Zn & 180g/t Ag.

Individual results from standard PB121 all appear good. For standard PB120, only three of the individual samples are within  $1\sigma$  (standard deviation) for lead, suggesting a problem with lower grade Pb analyses using the 7AR technique. This could indicate that low grade Pb values are being under-reported. One of the PB120 lead standards was inserted after a high grade sample. This standard returned the best precision and indicates there was no carryover in the laboratory sample prep.

Other observations from the QC analysis of the 2007 campaign indicate that

- certificate VAN07000359 has a moderate tendency for the process to be out of control & Pb values are under-reported

## **Technical Report on the 2007 Exploration Program-Silver Hart Property**

- samples 701060-080 show certificate VAN07001088 starts grossly out of control and Pb values are over-reported, however the values come into control for the last 10 samples; note that Standards results for this certificate show a decreasing trend;
- samples 701110-150 show VAN07001417 starts out of control but then recovers to stay marginally out of control; Pb values again are being under reported;
- samples 701160, 701170,701180 shows VAN07001418 starts grossly out of control & stays out of control; the continued trend below the standard mean again shows under-reporting of Pb values.

### **Data Verification**

All data obtained in the 2007 field program went through rigorous cross-checking between data logging and data entry. Assay values entered into spreadsheets are cut and pasted from the analytical certificates. The Ag, Pb and Zn values are then manually validated against the Acme certificates.

Data prior to CMC Metals Ltd. involvement with the property is available as pdf or tif files from government sources and is incomplete. Only fourteen of the 50 drill hole logs from 1985 are available. All the assay certificates for drilling prior to 2005 are not available. The only actual assay certificates found pertain to the underground sampling of the drift along the TM-zone vein. A comparison of the drift samples to the values drafted on the historic drawings showed no errors in transcribing from certificate to paper. Georeferencing the historic drilling from scanned legal survey raster files shows a 100m location difference from the hand-held GPS readings collected at the historic collars by CMC Metals in 2005 and 2006.

Despite the problems with locating actual data, all work done from 1985 to 1988 was by competent professionals and can be considered of good value. The very good plans and drawings by Read (1987) documenting the exploration prior to 2005 have proven invaluable in deciphering the mineralization of the Silver Hart property.

Since 2005, data gathered by CMC has been retained in various digital and paper formats. In 2007 this data was validated and verified by the author and can be depended upon to accurately reflect the current state of mineralization on the property. During 2007 the author compiled and validated all the 2005 and 2006 data into a useable digital format to be incorporated into a Mineral Resource and Mineral Reserve (MRMR) database required for a NI 43-101 compliant resource calculation. The data is contained in the following files submitted to CMC Metals Ltd.

071223 GEOLOGY 2005 & 2006.xls

071223 QC 2005 & 2006.xls

071223 ASSAYS 2005 & 2006.xls- all values below detection given a value of TR (trace)

071223 COLLARS 2005 & 2006.xls

071223 RECOVERY 2005 & 2006.xls

## **Technical Report on the 2007 Exploration Program-Silver Hart Property**

The collars for all 2005 and 2006 drill holes were verified in the field by hand-held GPS. All collars except CMC05-01 and CMC06-010 were located according to their entered values. At the reported site of CMC05-01 there is a cleared area with a small depression and dried drilling mud. At the reported site of CMC06-010, reportedly in the F-zone, there is no evidence of drilling; however two unmarked drill collars plot 41m and 52m respectively northwest of the CMC06-010 location.

The 2005 trench K0+05 and its sample locations were verified in the field. Similarly, the locations of the other 2005 trenches were verified, although actual sample intervals were not. It can be assumed that the locations of samples and mineralization present in the 2005 trenching is accurately reflected by the results obtained. The Excel spreadsheet with all the trenching data and results from 2005 was validated against the analytical certificates from Acme and shows no concerns.

The 2005 drill samples were not physically verified in 2007, but the Excel spreadsheets containing various copies of the 2005 drill data were all cross-checked and validated. The analytical results were validated against the Acme certificates and show no concerns.

For the 2006 drilling, approximately 15% of the drill samples were physically checked for accuracy of location, interval and presence of mineralization. All highly mineralized samples were included as part of the 15% check. The locations and intervals all appear correct and the geology is generally accurately reflected by the logging. The sulphide content for the zones with high metal values does not appear to be reflected by the material left behind in the box. This may be attributed to the combination of apparently poor recovery and quality for the mineralized zones and an inexperienced sampler cutting clay-rich crumbly material with a water-cooled saw. Except for two intercepts in hole CMC06-04, all the other highly anomalous results are quite possible, and the conditions illustrated above would explain why there is a lack of sulphidized material in hole CMC06-04. The Excel spreadsheet with all the drill sample results from 2006 was validated against the analytical certificates from Acme and shows no concerns.

The comparison and verification of the 2006 soil sampling has been previously detailed under the Exploration heading.

The author has made no attempt to verify the legal status and ownership of the CMC Silver property claims.

Field notes taken in 2007 were entered into Excel & then validated for accuracy in relation to details and location.

# **Technical Report on the 2007 Exploration Program-Silver Hart Property**

## **Adjacent Properties**

There are contiguous mineral claims on the south side of the CMC Property staked by Archer Cathro and Associates (1981) Ltd. Yukon Minfile 105B020 describes this mineral occurrence as a drilled prospect containing W-skarn with major commodities listed as lead, zinc, and silver and minor commodities listed as copper, tungsten and gold.

Some of the information and geological knowledge regarding the Silver Hart Property is extracted from past reports, which involved an area larger than the present day property. Mineralization encountered on the adjacent properties is not necessarily indicative of the mineralization on the Silver Hart Property and an attempt has been made to clearly indicate that any mineralization (mainly silver occurrences) presented herein are site specific within the confines of the current Silver Hart Property under control of CMC Metals Ltd.

## **Mineral Processing and Metallurgical Testing**

CMC Metals Ltd. has collected and submitted various samples, all less than 50kg in size, to laboratories in the USA. The details of these samples are not known to the author, and the author is not qualified to make any interpretations on the metallurgy of the Silver Hart property. Previous metallurgical testing has been carried out by past explorers, however according to Read and McRea (2005) “complete details of the metallurgical testing were not available to the authors”.

## **Mineral Resource and Mineral Reserve Estimates**

There is currently no NI43-101 compliant resource or reserve estimates for the Silver Hart property. A historical resource was calculated by Marshall Smith, the details of which can be found in a report by Marshall Smith (Smith, 1988).

## **Other Relevant Data and Information**

According to the company website, on October 29, 2007, CMC Metals Ltd. submitted a Development and Operating Plan to the Government of Yukon for developing the Silver Hart property. The plan outlines a 20,000 tonne per year seasonal operation that would see 80 tonnes of run-of-mine material milled per day. ([www.cmcmetals.ca](http://www.cmcmetals.ca)). Another press release on March 25, 2008 gives further details on the progress of this application.

The author is unaware of any other data or information relevant to the property at the time of writing.



# Technical Report on the 2007 Exploration Program-Silver Hart Property

## Interpretation and Conclusion

The 2007 mesoscopic geological investigation conducted by the author prior to the drill campaign leads to the conclusion that faulting post-dates the main intrusive phases of the Cassiar Batholith, and the well-developed contact metamorphism (garnet, epidote, diopside) resulted pre-mineralization. The main vein system trends 045/80 NW and is best developed near the batholith contact. Within the granodiorite, the mineralization filling the fault structure formed a tight, anastomosing shear zone, while the mineralization within sedimentary units formed either in sulphur bearing carbonaceous units as massive metallic pods of restricted lateral and vertical extent or where the faulting was deflected by rheologic changes within the sedimentary units.

Hydrothermal fluids travelled up channelways (faults) to deposit as narrow structures in competent fracturing hosts such as the granite and calc-silicate horizons, and migrated along bedding and fracture planes to deposit as poddy massive sulphide in the shales and limestones. An example of this is the M-zone mineralization in hole which occurs within a fault trending 070/60S through garnet-diopside skarn. The mineralization is massive where the fault/vein dip is changed by an intersecting structure, and appears to splay into narrower, multiple veins at depth within a schistose horizon. Drilling into the east extension of the M-zone fault showed there is the potential for a disseminated replacement style deposits on the Silver Hart property within chemically favourable (dolomitized & hydrocarbonized) limestone beds (hole CMC SH07-08).

The widespread gossans noted in the M, D and new J zones result from the hydrothermal fluids channelled along bedding and foliation planes proximal to the faults coming into contact with dolomitic limestones, and though they indicate zones of mineralization, the size of the gossan does not relate directly to the size of the mineralization (D-zone and J-zone were not found at depth by drilling). The large black gossan at the M-zone trench is manganese replacement of a dolomitized limestone bed and has no vertical continuity.

The fact that the main fault hosting mineralization cuts the granite & sediments suggests that mineralization is post emplacement of the granite intrusion hosting the TM-zone. The source for the hydrothermal fluid is undetermined but pervasive propylitic alteration away from the main mineralization, the types of minerals present and the emplacement of the mineralization indicate that the Silver Hart setting is epithermal in nature and is possibly a distal expression of a yet to be discovered porphyry deposit.

Based on the results of CMC SH07-02 and a visual inspection of the area in 2007, it is assumed that the proposed mill site is not in an area of significant mineralization.

Data validation and verification in 2007 concludes that pre-2005 historic results appear to be reliable and the 2005 & 2006 results are accurately portrayed and valid. The drilling in 2007 not only validates the pre-2005 TM zone results, but also confirms that parallel, possibly stacked faults hosting mineralization of similar style and grade occur east of the main zone (M zone), and there is the possibility of locating replacement or manto-style mineralization within chemically favourable (fetid?) limestone beds. Since there is no documentation of analytical

## **Technical Report on the 2007 Exploration Program-Silver Hart Property**

procedures or techniques prior to 2005, the difference between zinc and silver values in twinned holes and in soil samples is assumed to result from differences in collection and analysis.

### **Recommendations**

A differential GPS survey of all identifiable collars is required, especially for a narrow vein system as found on the Silver Hart property of CMC Metals Ltd. Hand-held GPS readings taken in 2007 show a 24m error between locations on subsequent days. A DGPS survey is one way to accurately plot the drill holes to enable future resource calculations and develop accurate mining plans.

CMC Metals Ltd. has planned three drill holes into the general area covered by the 2006 and 1986 soil sampling. The mineralized talus in the region is suggestive of an eroded vein system, but the steep slope enables gravity transport of these blocks from higher elevation, and atop the ridge upslope from the most anomalous soil results is a large excavated area with a manganese stained rind hosting calcite and quartz veinlets with massive patches of galena and anglesite. Though the talus blocks seen on the steep slopes appear to be of fresher affinity (i.e. no manganese staining), they are likely from the same system and may be the source for the high grade soil values. It is recommended that the site atop the ridge be evaluated with drilling before attempting to test the geochemical anomalies on the steep scree covered western slopes. The collar for hole CMC SH07-09 was moved grid north to reduce impact on ground during pad preparation. In hindsight, this collar should have remained at the original location, as the D-zone may have been truncated to the north by a fault. It is recommended the D-zone be retested with another drill hole located approximately 15 metres south of the existing collar, and drilled into the D-zone gossan at a 135 azimuth.

Drilling should also test two massive galena pods that locate between the M-zone and D-zone. One pod (18cm wide) is found in a trench at station FA07-56 and was sampled by rocks 701247 to 701249. The other pod (15cm wide) location is at station FA07-68 (405024E, 6689000E, NAD83), located 170 metres northwest of the D-zone trench. The vein hosting the pod at station FA-68 trends 225/70NW, and is found within a rusty quartzose sedimentary unit which contrasts to the other massive lenses found within or at the contact of limestone. Markers in the trench show this zone has been sampled in the past.

Hole CMC SH07-11 did not return mineralization underneath the surface exposure in the J-zone. Mineralization in hole CMC SH07-11 was intersected at deep levels (~60m downhole), so if any further drilling should be considered, it should occur along the trench edge at a lower elevation and east of the hole 11 collar to reduce the amount of metres needed to intersect the zone.

Condemnation drilling into any area proposed for tailings is strongly recommended.

## Technical Report on the 2007 Exploration Program-Silver Hart Property

There are also other areas within the Silver Hart property that require further surface and subsurface investigation

- According to assay plans, the B-zone was trenched only to permafrost and was not tested by drilling.
- The F-zone was targeted with drilling in 2006 but this drilling was not properly documented, logged or sampled, and significant mineralization can be seen in one of the holes reported to be from the F-zone.
- Trenching in the saddle between the D-zone and J-zone trenches failed to intersect the interpreted structure responsible for the two zones. Within a historic trench closer to the J-zone, a bedding parallel fault trending 335/74E is exposed (station FA07-75). This fault has manganese staining along its length with a small patch of massive galena at the northern extent of exposure. Trenching should occur in the vicinity of this trench
- There are anomalous Zn and Pb soil sites from the 1986 soil survey that locate on the steep east facing slopes east of the D-zone. Investigation of this area and the numerous shallow trenches excavated between 1988 and 2000 in the area, all located 100 metres southeast of the D-zone, did not identify any obvious source for the mineralization. Barren white quartz veins and pervasive manganese stained limey sediments are found on the slopes and in the trenches above the soil anomalies. Further geologic investigation of this area by mapping and trenching is warranted (stations FA07-15 to FA07-17)
- There is a magnetic anomaly (stations FA07-57 to 59) atop the ridge immediately west of the M-zone that causes a compass to deflect 35 degrees west. Outcrop along the ridge is composed of garnet-diopside calc-silicate and fetid limestone sandwiching a fine grained, leucocratic granodiorite. The compass deflection is localized to the calc-silicate and may indicate a buried magnetite or pyrrhotite rich horizon. The limestone is on trend, and possibly the same bed hosting the disseminated zinc mineralization discovered in hole CMC SH07-08

Sites recommended for further evaluation are shown on the 2007 Exploration Map-Silver Hart Property located at the end of this report.

# **Technical Report on the 2007 Exploration Program-Silver Hart Property**

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Smith, FM (1988) Report on the Reserve Estimate, Hart Project, Watson Lake Mining District, Edgar Lake, Yukon for Silver Hart Mines Ltd.

Respectfully submitted  
(Signed by) and (sealed by)  
Farrell J. Andersen, P.Geol.  
This 21 day of May 2008

# Technical Report on the 2007 Exploration Program-Silver Hart Property

## Certificate of Qualifications

I, Farrell J Andersen, of address 17 Solitude Drive in the community of Marsh Lake, Yukon do hereby certify that:

- I am a consulting exploration geologist, and President of Boomerang Exploration Ltd.
- I am responsible for the preparation of this report titled “Technical Report on the 2007 Exploration Program-Silver Hart Property” and dated 21 May 2008 (the “Report”), relating to the Silver Hart property. I was on the Silver Hart property from July 10 to September 11, 2007.
- I graduated with a Bachelor of Science degree in Geology from the University of British Columbia in 1989. In addition, I have obtained a Certificate of Achievement in Desktop-GIS from Southern Alberta Institute of Technology in 2000. I have practiced my profession continuously since 1989 and have been involved in projects and evaluations exploring for base metals, precious metals and diamonds primarily in Canada.
- I am a member in good standing with the Association of Professional Engineers, Geologists and Geophysicists of Alberta, registration no. 81236. I am also a member in good standing with the Society of Economic Geologists and the Geological Society of Australia.
- As a result of my experience and qualifications I fulfill the requirements to be a Qualified Person as defined in section 1.1 of National instrument 43-01.
- I supervised the 2007 exploration work discussed in the Report, and have authored all sections of the Report. Previous to 2007, I had no prior involvement with the property that is the subject of the Report.
- I may not be deemed independent of the issuer due to the relevant fact of having a mineral property under option to the issuer, from which I expect to receive future securities or cash. Said mineral property under option is separate from and unaffiliated with the property subject to the Report, and I have no direct or indirect interest in the property that is subject of the Report.
- I have read and prepared the Report in compliance with the National Instrument 43-101, the Companion Policy 43-101CP and the Form F 43-101F 1 Technical Report.
- I am not aware of any material fact or material change with respect to the subject matter of the Report that is not reflected in the Report, the omission to disclose which make the Report misleading.
- I consent to the filing of the Report with any stock exchange and other regulatory authority and any publication by them, including electronic publication in the company files accessible on their websites by the public, of the Report.

Date: May 21, 2008

Signed:


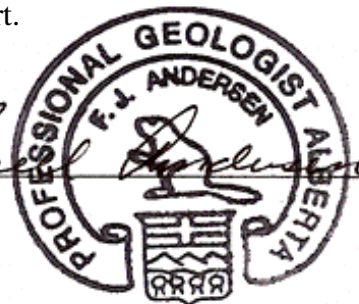
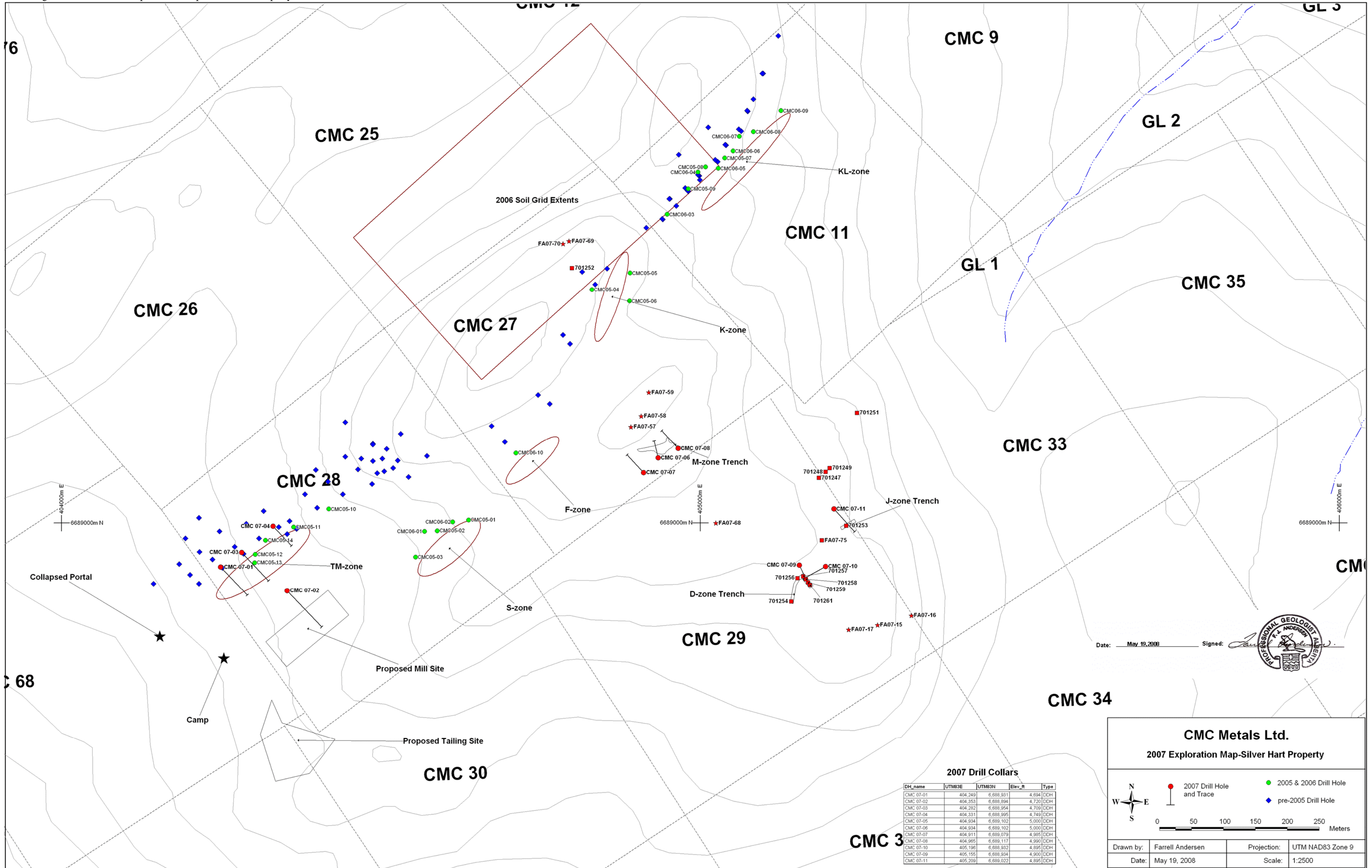
  


Figure 3: 2007 Exploration Map-Silver Hart Property



## **Appendix I**

### **2007 Silver Hart Field Notes**



2007 Silver Hart Field Notes Compiled Validated 15-Oct-07 by Farrell Andersen Karen Andersen

Note: These co-ords are based on a handheld GPS and best confidence is +/- 25m

Note: items in italics are GPS waypoints that are no longer relevant

<b>CHIP</b>	Chip sample	<b>CLS</b>	Canada Legal Survey pin	<b>CP</b>	Claim Posts	<b>DDH</b>	Diamond Drill Hole
<b>FL</b>	Float	<b>GC</b>	Geochem	<b>GP</b>	Grid Picket	<b>GRAB</b>	Grab sample
<b>OC</b>	Outcrop	<b>PDH</b>	Percussion Drill Hole	<b>SP</b>	Survey Pin	<b>TR</b>	Trench
<b>WPT</b>	Waypoint	<b>UDH</b>	Unmarked drill hole				

Station	UTM83E	UTM83N	GridE_ft	GridN_ft	Elev_ft	Type	Description	Structure	Azimuth	Dip	Length_m	Width_m	Comments
FA0701	404908	6689389				SP							Tag at old survey pin N side of CMC 2005 K zone
FA0702	404898	6689419				CP							Old posts situated grid W of CMC K Zone with replacement tags Posts 1 YA56639/56638, Posts 2
FA0703	404916	6689401				GP							1999 geophysics grid picket 5675N 0+00E
FA0704	404333	6688758	10150	9400		GP							1986 geochem grid picket 9400N 10150E
FA0705	404675	6689089				DDH			140	-55			Unmarked drill hole at northern end of the F zone
FA0706	404711	6689110				DDH			140	-45			Picket in drill hole DDH 06-10 - not drilled. Is this really the 2006 hole 10?
FA0707	404750	6689145				DDH			140	-45			Incorrectly labelled collar picket at drill site shows DH 06-07. This is not the location of the real 06-07
FA0708	404889	6689348			4975	DDH			320	-45			Collar DH05-06 & K0+35 trench sample
FA0709	405051	6689583			4865	DDH				-90	63.11		Collar DH06-06
FA0710	405061	6689606			4862	DDH			140	-50	50.91		Collar DH06-07
FA0711	405038	6689572			4870	DDH			140	-45			Collar DH05-07
FA0712	405028	6689556			4870	DDH				-90	70.63		Collar DH06-05
FA0713	405008	6689558			4872	DDH			140	-45	52.7		Collar DH05-08
FA0714	404996	6689550			4875	DDH			140	-65	60.06		Collar DH06-04
FA0715	405277	6688840				GP			140				Unmarked picket overlooking SW draining tributary; believe this to be old geochem (1986/87 L11600N 12150E); if so, a strong Zn anomaly starts at this station and trends grid east, bearing 140 degrees for 300ft - NB: later surveying identifies this line as 11800N; geochem anomaly locates 200ft S of this station
FA0716	405330	6688855				OC	Quartzite		239	79S	12	2	12m x 2m outcrop snow-white quartzite or glassy foliated quartz vein; old sample flag appears to be 1737 ?

**2007 Silver Hart Field Notes Compiled Validated 15-Oct-07 by Farrell Andersen Karen Andersen**

**Note: These co-ords are based on a handheld GPS and best confidence is +/- 25m**

**Note: items in italics are GPS waypoints that are no longer relevant**

<b>CHIP</b>	Chip sample	<b>CLS</b>	Canada Legal Survey pin	<b>CP</b>	Claim Posts	<b>DDH</b>	Diamond Drill Hole
<b>FL</b>	Float	<b>GC</b>	Geochem	<b>GP</b>	Grid Picket	<b>GRAB</b>	Grab sample
<b>OC</b>	Outcrop	<b>PDH</b>	Percussion Drill Hole	<b>SP</b>	Survey Pin	<b>TR</b>	Trench
<b>WPT</b>	Waypoint	<b>UDH</b>	Unmarked drill hole				

Station	UTM83E	UTM83N	GridE_ft	GridN_ft	Elev_ft	Type	Description	Structure	Azimuth	Dip	Length_m	Width_m	Comments
FA0717	405232	6688833				OC	Calc-silicate	BED	331	67E		0.75	0.75m true width gritty LST horizon within a sandy grey coloured sedimentary unit; stratiform bedding 331/67NE in trench trending 080; large MnOx patches associated with calc-silicate horizons; survey tag 703 at west end of trench; calc-silicate horizon is a gritty limestone interbed; geophysics picket~15m from S end of trench says EOL 800NE 600SE
FA0718	405143	6688876				OC	Gossan	FAULT	230	87NW			Grid SW end of D zone trench; MnOx replaced horizon; S wall appears to be the FW of a 230/87NW trending fault; milky white to waxy QV <10cm wide bounded by MnOx in trench floor parallelling fault; mm scale milky opaque QV stockwork with moderate silicification running in FW; rock appears to be an altered sedimentary unit; survey tag 826 at GPS location
FA0719	405147	6688905				SP							Survey tag 832 in D zone trench; rusty schistose material with MnOx pods in trench floor; oriented parallel trench trending 030
FA0720	405159	6688919				SP							Survey tag 712 at N edge of large MnOx gossan in D zone trench; gossan trends parallel bedding & lines up with FA17 gossan; old samples No. 11649, 11650, 11648, 11647-all taken across 330 degree trend. Samples 11653 & survey tag 713 found at massive galena rich material;
FA0721	405168	6688909				OC	Gossan						Locate in-situ galena pod within D zone gossan; sample tag 11660 nearby
FA0722	405228	6688996				OC	Gossan	FAULT	240	73N			MnOx gossan with cm scale massive sphalerite pods and galena stringers; locates on margins of qv filled fault
FA0723	405307	6689063				GP							Locate geophysics stake with WL1000NE/500SE- what kind of grid system is this??

**2007 Silver Hart Field Notes Compiled Validated 15-Oct-07 by Farrell Andersen Karen Andersen**

**Note: These co-ords are based on a handheld GPS and best confidence is +/- 25m**

**Note: items in italics are GPS waypoints that are no longer relevant**

<b>CHIP</b>	Chip sample	<b>CLS</b>	Canada Legal Survey pin	<b>CP</b>	Claim Posts	<b>DDH</b>	Diamond Drill Hole
<b>FL</b>	Float	<b>GC</b>	Geochem	<b>GP</b>	Grid Picket	<b>GRAB</b>	Grab sample
<b>OC</b>	Outcrop	<b>PDH</b>	Percussion Drill Hole	<b>SP</b>	Survey Pin	<b>TR</b>	Trench
<b>WPT</b>	Waypoint	<b>UDH</b>	Unmarked drill hole				

Station	UTM83E	UTM83N	GridE_ft	GridN_ft	Elev_ft	Type	Description	Structure	Azimuth	Dip	Length_m	Width_m	Comments
FA0724	405108	6689017	11300	11800		GP							Locate 1986/87 picket 11800N 11300E on limestone outcrop
FA0725	404612	6689002			4910	DDH			140	-65	112.5		Collar verification DH06-02
FA0726	404588	6688988			4890	DDH				-45	59.45		Collar verification DH05-02
FA0727	404568	6688987			4885	DDH			140	-85	95.65		Collar verification DH06-01
FA0728	404510	6688991				GP							1999 geophysics grid 5100N 000E
FA0729	404363	6688994			4790	DDH			150	-45	39		Collar verification DH05-11
FA0730	404319	6688973			4770	DDH			150	-45	69.5		Collar verification DH05-14
FA0731	404303	6688951			4705	DDH			150	-45	64.7		Collar verification DH05-12
FA0732	404302	6688938			4705	DDH			150	-45	10.1		Collar verification DH05-13
FA0733	404418	6689022			4830	DDH			150	-45	45.1		Collar verification DH05-10
FA0734	404929	6689103				DDH							1 box of core at site labelled DH06-14, -45; unknown azimuth. Wireline, cable rags at site; oil stain on ground; 0-2 casing 2'-16' qtz veined, greenish speckled gritty sediment; no sulphide, 16' appears to be EOH
FA0735	404926	6689119				SP	Mineralisation		70	64S	1	1	Survey tag no. 687, adjacent to large galena pod trending 070/64S in M zone. Hanging wall fault contact appears to have 080/42 S trend. Galena pod measures 1m x 1m and can be traced 17m to the grid N and 3m to the grid S
FA0736	404890	6689392			4985	DDH				-45	51.2		Collar verification DH05-05
FA0737	404864	6689404				DDH							Old drill hole unlabelled, weathered 4x4 as plug; appears to be 140az -45incl
FA0738	404830	6689366			5050	DDH				-45	62.6		Collar verification DH05-04; rock outcrop to N is dk grey crystalline limestone; fault surface on exposure 042/69 S, bedding 010/45 E
FA0738A						OC	Limestone	BED	10	45E			
FA0738B						OC		FAULT	42	69S			
FA0739	404948	6689484			4920	DDH			140	-65	79.59		Collar verification DH06-03
FA0740	404980	6689587			4910	DDH							DH86-65 -90?
FA0741	404981	6689524			4870	DDH			140	-45	47.9		Collar verification DH05-09

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<b>CHIP</b>	Chip sample	<b>CLS</b>	Canada Legal Survey pin	<b>CP</b>	Claim Posts	<b>DDH</b>	Diamond Drill Hole
<b>FL</b>	Float	<b>GC</b>	Geochem	<b>GP</b>	Grid Picket	<b>GRAB</b>	Grab sample
<b>OC</b>	Outcrop	<b>PDH</b>	Percussion Drill Hole	<b>SP</b>	Survey Pin	<b>TR</b>	Trench
<b>WPT</b>	Waypoint	<b>UDH</b>	Unmarked drill hole				

Station	UTM83E	UTM83N	GridE_ft	GridN_ft	Elev_ft	Type	Description	Structure	Azimuth	Dip	Length_m	Width_m	Comments
FA0742	404987	6689534				PDH							Unmarked hole, 10m E of 05-09; old 1986 hole from appearance of tags;rotted bags of percussion chips
FA0743	405126	6689646			4810	DDH			140	-45	50		Collar verification DH06-09
FA0744	405083	6689613			4830	DDH			140	-45	89.02		Collar verificationDH06-08
FA0745	404554	6688947			4860	DDH			350	-45	49.7		Collar verification DH05-03
FA0746	404637	6689005			4930	DDH							Old dried drill mud; washed depression; no labelling or drill plug; co-ords correlate to the 2005 DH05-01
FA0747	404900	6689385				SP							Survey tag 594 at N end of CMC K Zone trench. 1st cross trench S of tag contains samples 25092 to 25102
FA0748	404284	6688771	10000	9300		GP							Put in 9300N line into cleared area near wash house to assist with tailings site condemnation drill planning.Bush survey shows proposed camp site occupies the area 9250N to 9350N from 9700E to 9900E
FA0749	404389	6688918	9900	9880		WPT							<i>First proposed mill site condemnation hole on grid E edge of TM clearing at 9900E 9880N within alpine fir growth; old cat trail with grass and small fir ~ 3m to grid N may be possible; more open site at 9850E.</i>
FA0750	404351	6688659				WPT							Approximate middle of proposed tailings pond correlates to 9200N 10450E; walking back 9200N
FA0751	404383	6688883				WPT							<i>Fore sight of proposed mill site condemnation hole;proposed MSDH-1 collar at 9790N 9900E. No longer relevant as collar has moved. See station FA83</i>
FA0752	404320	6688692				WPT							Fore sight of proposed tailings site condemnation hole; TSDH-1 proposed collar at 9200N 10200E Collar locates 21m from the fore site at 315 degrees.

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<b>CHIP</b>	Chip sample	<b>CLS</b>	Canada Legal Survey pin	<b>CP</b>	Claim Posts	<b>DDH</b>	Diamond Drill Hole
<b>FL</b>	Float	<b>GC</b>	Geochem	<b>GP</b>	Grid Picket	<b>GRAB</b>	Grab sample
<b>OC</b>	Outcrop	<b>PDH</b>	Percussion Drill Hole	<b>SP</b>	Survey Pin	<b>TR</b>	Trench
<b>WPT</b>	Waypoint	<b>UDH</b>	Unmarked drill hole				

Station	UTM83E	UTM83N	GridE_ft	GridN_ft	Elev_ft	Type	Description	Structure	Azimuth	Dip	Length_m	Width_m	Comments
FA0753	405121	6688912	11570	11592		GP							Gary Lee 1999 grid 5490N 500E=11607N 11640E on the 1986 grid; NB-later surveying identifies this site as 11592N, 11570E. Reason for discrepancy is 1999 grid not slope corrected.
FA0754	405213	6689011	11570	12055		WPT							This station locates 21.5m at 315 degrees from the galena pod noted in FA22.
FA0755	405184	6689064				CLS							Legal survey marker CLS1986 6L1004 & 6L1002, another CLS marker 15m north; claim posts between the two markers; claim tag on ground indicates post 1 YA99545
FA0756	405196	6689080				OC	Mineralisation	VEIN	70	85S	2.1	0.18	18cm wide galena vein running down trench; sample tag 11713; vein trends 070/85S; galena pod 2.1 m strike by 0.18m width; disappears into narrow veinlets in structure to W and E; no previous CMC flagging in area
FA0757	404891	6689151				OC	Calc-silicate						On top of knob west of M Zone; magnetic anomaly affects compass 35 degree west deflection; rock is epidote garnet diopside skarn with magnetite
FA0758	404907	6689168				OC	Granodiorite						Locate pale green grey, fine grained intrusive; interlocked crystalline groundmass; <10% quartz, dominantly feldspar; no mafics visible; pale green coloured groundmass suggests rock is propylitically altered;
FA0759	404919	6689205				OC	Limestone	BED	350	80E			Fetid limestone bed fine grained; micritic dark grey;
FA0760	404925	6689467				DDH							Collar DH 85-64
FA0761	404913	6689120				WPT							<i>Waypoint was a fore sight for proposed M zone collar; collar has moved and this waypoint is no longer valid</i>
FA0762	404888	6689108				WPT							Fore sight for M Zone collar at 11500N 10700E; Collar locates 27.8m from fore sight at 135 degrees.

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<b>CHIP</b>	Chip sample	<b>CLS</b>	Canada Legal Survey pin	<b>CP</b>	Claim Posts	<b>DDH</b>	Diamond Drill Hole
<b>FL</b>	Float	<b>GC</b>	Geochem	<b>GP</b>	Grid Picket	<b>GRAB</b>	Grab sample
<b>OC</b>	Outcrop	<b>PDH</b>	Percussion Drill Hole	<b>SP</b>	Survey Pin	<b>TR</b>	Trench
<b>WPT</b>	Waypoint	<b>UDH</b>	Unmarked drill hole				

Station	UTM83E	UTM83N	GridE_ft	GridN_ft	Elev_ft	Type	Description	Structure	Azimuth	Dip	Length_m	Width_m	Comments
FA0763	404955	6689121				WPT							Fore sight for M Zone collar at 11700N 10750E; Collar locates 16.85m from fore sight at 135 degrees.
FA0764	405196	6689034				WPT							Back sight for D Zone collar at 12055N 11545E; Collar locates 18m from back sight at 135 degrees
<i>FA0765</i>	<i>405122</i>	<i>6688956</i>				<i>WPT</i>							<i>Back sight for D Zone collar. No longer relevant as collar has moved. See station FA82</i>
FA0766	405238	6689141	11300	12400		GP							1986 grid picket 12400N 11300E
FA0767	405245	6689173				OC							Propylitic altered granodiorite with calc-silicate talus and scattered qtz vein breccia around high Zn/Pb soil anomaly located at 12400N 11250E.
FA0768	405024	6689000				OC	Mineralisation	VEIN	225	70NW	1.84	0.15	15cm x 184cm massive galena lens within rusty altered quartzose sediment, cuts across foliation and bedding; lens trends 225/70NW
FA0769	404794	6689442				FL	Mineralisation	VEIN					Grab of quartz vein breccia found within grey micritic, sparry limestone at bottom (west) of cliff; sub-cm galena blebs scattered at contacts of quartz vein and enclosed FeOx altered rock fragments; limestone is fetid; locates in area of anomalous geochem that is targeted for 2007 drill program; rock types are sediments/garnetiferous limestone/calc-silicate horizon/granitic sill/calc-silicate horizon/limestone as you traverse grid north to south; locates upslope from furthest grid north geochem hole

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<b>CHIP</b>	Chip sample	<b>CLS</b>	Canada Legal Survey pin	<b>CP</b>	Claim Posts	<b>DDH</b>	Diamond Drill Hole
<b>FL</b>	Float	<b>GC</b>	Geochem	<b>GP</b>	Grid Picket	<b>GRAB</b>	Grab sample
<b>OC</b>	Outcrop	<b>PDH</b>	Percussion Drill Hole	<b>SP</b>	Survey Pin	<b>TR</b>	Trench
<b>WPT</b>	Waypoint	<b>UDH</b>	Unmarked drill hole				

Station	UTM83E	UTM83N	GridE_ft	GridN_ft	Elev_ft	Type	Description	Structure	Azimuth	Dip	Length_m	Width_m	Comments
FA0770	404785	6689438				FL	Mineralisation	VEIN					Abundant quartz breccia float material with sub-cm galena veinlets; locates ~ 7m grid north of FA69 and below prominent rusty gossan patch in limestone bluff; also lots of bladed or angel-wing calcite vein breccia; float spread over 25m grid N-S centred on grid 12000N, ~9550E; breccia is coincidental to limestone /altered granodiorite contact; vein occurs along contact?
FA0771	404772	6689452	9500	12000		GP							Locate 1986 picket 12000N 9500E
FA0772	404732	6689488	9250	12000		GP							1986 grid picket 12000N 9300E; locates at South limit of veining; 2007 proposed DH is at 12000N 9250E.
FA0773	404695	6689529	9100	12000		GP							1986 picket says 12000N 9200E but according to the geochem map and our measurements this station should be 12000N 9100E
FA0774	404929	6689107				DDH				-45	4.87		Locate the hole in M Zone first referenced in FA34
FA0775	405190	6688973				OC	Calc-silicate	FAULT	335	74E			Near bedding parallel fault with minor galena pods exposed in trench following the fault; fault locates between the two D Zone collars approximately 11935N 10590E.; HW is comprised of sheared sediments for two metres (paper shale fabric); measurement along the MnOx stained FW is 335/74E
FA0776	404929	6689126				WPT							Fore sight for proposed M Zone DH at 11588N 10714E; DH targetting massive galena pod. Collar locates 27.7m from fore sight at 167 degrees.
FA0777	404775	6689358				OC	Limestone	BED	355	68E			Locate garnet rich limestone bed as noted in FA69; possible marker horizon for the vein breccia? Bedding 355/68E

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<b>FL</b>	Float	<b>GC</b>	Geochem	<b>GP</b>	Grid Picket	<b>GRAB</b>	Grab sample
<b>OC</b>	Outcrop	<b>PDH</b>	Percussion Drill Hole	<b>SP</b>	Survey Pin	<b>TR</b>	Trench
<b>WPT</b>	Waypoint	<b>UDH</b>	Unmarked drill hole				

Station	UTM83E	UTM83N	GridE_ft	GridN_ft	Elev_ft	Type	Description	Structure	Azimuth	Dip	Length_m	Width_m	Comments
FA0778	404799	6689400				OC	Mineralisation	GOSSAN					QV brx & xtalline QV stwk in dk brown to black gossan on HW side of limestone; garnet bed on FW; garnet/diopside calc-silicate horizon adjacent to limestone appears to be FW for the vein; gossan is a weathered Mn+Fe Ox cap with calcite & quartz crystal vuggy veining; galena pods are altering to anglesite; survey tag 700 plus several sample tags in trench, one with no.11506;appears to be replaced bed within limestone & of limited extent;cannot determine zone orientation unless further trenching undertaken;drilling under this cap is worthwhile;
FA0779	404827	6689362				OC	Vein	BRECCIA					same QV breccia horizon in FA79; <10m ~270 degrees from DH05-04 & trending through 05-04 collar to continue on trend to east with MnOx gossan on west side of S-Zone trench, about mid-trench. Fault surface at site, noted in FA38 trends 040/75E
FA0780	404703	6689348	9600	11600		GP							1986 grid picket 11600N 9600E; hornfelsed quartzite outcrop with pyrrhotite located 10m W grid site had 1100ppm Zn in soil
FA0781	404470	6689321	9100	11000		GP							1986 picket 11000N 9100E
FA0782	405151	6688946				WPT							Back sight for D Zone trench collar at 11725N 11606E; Collar locates 14.95m from back sight at 153 degrees
FA0783	404359	6688876				WPT							Fore sight of proposed mill site condemnation hole;proposed MSDH-1 collar at 9754N 9870E. Collar locates 17m from the fore site at 315 degrees.
FA0784	404249	6688931	9555	9580	4694	DDH			135	-45	85		CMC SH 07-01 collar, -45, 135 az, 85m length;twinning hole 85-07
FA0785	404353	6688894	9870	9755	4720	DDH			135	-48	117		CMC SH07-02 collar; -48, 135 az, 117m length;mill site condemnation hole
FA0786	404282	6688954	9676	9712	4709	DDH			135	-45	86		CMC SH07-03 collar, -45, 135 az, 86m length, twinning of 85-06



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<b>FL</b>	Float	<b>GC</b>	Geochem	<b>GP</b>	Grid Picket	<b>GRAB</b>	Grab sample
<b>OC</b>	Outcrop	<b>PDH</b>	Percussion Drill Hole	<b>SP</b>	Survey Pin	<b>TR</b>	Trench
<b>WPT</b>	Waypoint	<b>UDH</b>	Unmarked drill hole				

Station	UTM83E	UTM83N	GridE_ft	GridN_ft	Elev_ft	Type	Description	Structure	Azimuth	Dip	Length_m	Width_m	Comments
FA0787	404924	6689144				OC	GOSSAN						NW side of Mn gossan hanging wall to possible third vein of M zone; measures 44m at 345 degrees from proposed collar
FA0788	404183	6688934				SP							1986 survey station ST-2;for use in georegistration of maps
FA0789	404137	6688930				DDH							Collar 87-78;for use in georegistration of maps
FA0790	404121	6688902				DDH							Collar 87-79;for use in georegistration of maps
FA0791	404063	6688962				DDH							Collar 87-81;for use in georegistration of maps
FA0792	404188	6688807				WPT							Quanset hut;for use in georegistration of maps
FA0793	404284	6688785	9350	10000	9350	GP							1986 grid picket 10000E, 9350N;for use in georegistration of maps
FA0794	404327	6688818	9550	10000	9550	GP							1986 grid picket 10000E, 9550N;for use in georegistration of maps
FA0795	404363	6688854	9700	10000	9700	GP							1986 grid picket 10000E, 9700N;for use in georegistration of maps
FA0796	404438	6689042				DDH							Collar 85-23;for use in georegistration of maps
FA0797	404417	6689065				DDH							Collar 85-24;for use in georegistration of maps
FA0798	404399	6689083				DDH							Collar 85-25;for use in georegistration of maps
FA0799	404391	6688991				SP							1986 Survey Pin 25;for use in georegistration of maps
FA07100	404376	6688978				WPT							1986 unlabelled ID Post?;for use in georegistration of maps Note: FA99 or FA100 is the ID post on SGH5.5 near hole 85-04
FA07101	404331	6688995	9608	9930	4749	DDH			135	-45	59		CMC SH07-04 collar, -45, 145 az, 59m length, twinning of hole 85-05
FA07102	404314	6689016				DDH							Collar 85-20;for use in georegistration of maps
FA07103	404242	6688923				WPT							1986 Pumphouse;for us in georegistration of maps
FA07104A	404934	6689102	10708	11588	5000	DDH			345	-50	62		CMC SH07-05 collar, -50, 345 az, 62m length;targetting M zone galena pod at 40 ft below surface

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<b>FL</b>	Float	<b>GC</b>	Geochem	<b>GP</b>	Grid Picket	<b>GRAB</b>	Grab sample
<b>OC</b>	Outcrop	<b>PDH</b>	Percussion Drill Hole	<b>SP</b>	Survey Pin	<b>TR</b>	Trench
<b>WPT</b>	Waypoint	<b>UDH</b>	Unmarked drill hole				

Station	UTM83E	UTM83N	GridE_ft	GridN_ft	Elev_ft	Type	Description	Structure	Azimuth	Dip	Length_m	Width_m	Comments
FA07104B	404934	6689102	10708	11588	5000	DDH			345	-70	80		CMC SH07-06 collar, -70, 345 az, 80m length;targetting M zone galena pod 60 ft below surface
FA07105	404911	6689079	10700	11493	4985	DDH			316	-50	59		CMC SH07-07 collar, -50, 316 az, 59m length;tragetting south extension of M zone
FA07106	404965	6689117	10750	11700	4990	DDH			316	-50	59		CMC SH07-08 collar, -50, 316 az, 59m length;targetting north extension of M zone
FA07107	405165	6689097				WPT							Back site for FA56 Zone collar 18.7m @ 135 degrees to collar
FA07108	405196	6688932	11670		4895	DDH			240	-47	59		CMC SH07-10 collar, -47, 060 az, 59m length;targetting D zone gossan repalced bed trending 330
FA07109	405155	6688934	11606	11725	4900	DDH			152	-47	50		CMC SH07-09 collar, -47, 152 az, 50m length;targetting interpreted 240 trending fault hosting D zone mineralisation
KT0701	404464	6689436				WPT							Junction to Caribou Lake;for use in georegistration of maps
KT0702	404679	6689555				WPT							Fork in road to back side of KL Zone;for use in georegistration of maps
KT0703	404992	6689497				WPT							South limit of KL trenching;for use in georegistration of maps
KT0704	404822	6689396				DDH							Collar 85-40;for use in georegistration of maps
FA07110	405166	6688912				CHIP							waypoint taken at 10m mark;4 representative 5m long chip samples collected along the 330 trending Mn gossan replaced LST horizon in the D zone trench
FA07111	405152	6688914				GRAB							random grab of Mn+Fe ox gossan with calcite+quartz veining south of D zone replaced body;botyroidal Mn texture+drusy vugs+leached skeletal fabric

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<b>FL</b>	Float	<b>GC</b>	Geochem	<b>GP</b>	Grid Picket	<b>GRAB</b>	Grab sample
<b>OC</b>	Outcrop	<b>PDH</b>	Percussion Drill Hole	<b>SP</b>	Survey Pin	<b>TR</b>	Trench
<b>WPT</b>	Waypoint	<b>UDH</b>	Unmarked drill hole				

Station	UTM83E	UTM83N	GridE_ft	GridN_ft	Elev_ft	Type	Description	Structure	Azimuth	Dip	Length_m	Width_m	Comments
FA07112	405142	6688877				GRAB							random grab from gossan and qz veining in 240 trending fault in south end of D zone trench;some pieces of gossan still have remnant LST supporting replaced body theory;fault trends 224/68NW
FA07113	405228	6688996				CHIP							chip sample across J zone gossan;galena +sphalerite patches & stringers associated with a white qz+calcite filled structure trending 240/73NE
FA07114	405209	6689022	11545	12055		DDH			136	-47	70		CMC SH07-11 collar, -47, 136 az, 70m length;targetting J zone gossan
FA07115	405095	6689673				PDH							Collar 86-76;for use in georegistration of maps
FA07116	404980	6689586				PDH							Collar 86-65;for use in georegistration of maps

## **Appendix II**

### **2007 Silver Hart Drill Logs**

**CMC Metals Ltd.  
Drill Log**

Property: Silver Hart Claim: CMC 28  
 Target: Twinning of hole 85-7;1985 Lower TM Zone intercept of 2.4 ft @ 66.2 opt Ag, 23.9% Zn from 98 ft down hole  
 Drill Hole: CMC SH07-01 Azimuth: 135 true Inclination: -45 Length: 85 m Hole Size: NQ2  
 NAD83 E: 404249 NAD83 N: 6688931 Local Grid E: 9555 Local Grid N: 9580 Elevation: 4694 ft  
 Start Date: 28-Jul-07 End Date: 29-Jul-07 Drilled by: Bertram Drilling Company Logged by: Farrell Andersen  
 Survey Type: none Hole Survey 1: \_\_\_\_\_ Hole Survey 2: \_\_\_\_\_ Hole Survey 3: \_\_\_\_\_

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.								
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn			
					0-13 NO CORE-CASING									
13					13-30.2 GRANODIORITE									
14					tan to green grey colour;mafics destroyed or altered to chlorite;									
15					variably altered, medium to coarse grained, inequigranular fel+qz+									
16					mica groundmass with trace to 1% interstitial pyrite and pyrrhotite									
17					replacement of biotite;mod kaolinization/clay of feldspar;intense to strong									
18					fractured core with distinct igneous texture but blurry crystal boundaries;									
19					oxidised surfaces on fractures;clay cemented breccia intervals from									
20	CA	30	FRC		17.4-18.4m & 27.8-29.9m represent faulting-all contacts obliterated									
21	CA	30	FRC		hairline to mm scale qz+bi+sulf (py) filled random fracturing for									
22					10-15cm following silicified sections									
23														
24					NB: 30.2 is estimated contact for interval;core tube plugged with grey clay	305901	24.1	24.8	7	0.03	0.14			
25					42cm of andesite clay recovered from tube on 12-Aug	305902	24.8	25.8	<2	0.03	0.14			
26						305903	25.8	26.5	4	0.05	0.15			
27						305904	26.5	27.5	5	0.04	0.12			
28						305905	BLANK							
29							QUARTZ MATERIAL							
30					30.2-31.9 ANDESITE DYKE									
31					very fine grained soft black to grey sticky clay to 31m;fractured but									
32					cohesive core to 31.4m then clast supported brecciation with greenish									
					brown clay cement;all contacts obliterated									

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-01

LOGGED BY: F. ANDERSEN

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.						
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn	
32					<b>31.9-33.5 GRANODIORITE</b>	<b>305906</b>	<b>31.9</b>	<b>32.9</b>	<b>10</b>	<b>0.02</b>	<b>1.09</b>	
33	CA	50	VEN		tan to pale brown; mafics destroyed; strong fractured core with wk to mod							
34					clay of feldspar; possibly wk potassic alteration leading up to silicification							
35					before vein; mm scale ankerite/ferroan dolomite (siderite?) filling of							
36	CA	55	GOU		fractures; <2% py & po replaced biotite	<b>305907</b>	<b>32.9</b>	<b>33.5</b>	<b>31</b>	<b>0.08</b>	<b>0.21</b>	
37	CA	70	GOU		<b>RECOVERY 305907=90%</b>							
38	CA	45	VEN									
39					<b>33.5-34.15 VEIN</b>	<b>305908</b>	<b>33.5</b>	<b>34.2</b>	<b>2069</b>	<b>2.75</b>	<b>28.28</b>	
40					banded quartz + sphalerite with lensy py + cpy & network of silvery							
41					galena; banding & contacts 50 to CA;							
42					35% SPH, 35% QTZ, 15% GAL, 5% PY, 3% CPY, 7% BI/CHL							
43					<b>RECOVERY 305908=93%</b>							
44												
45	CA	45	GOU		<b>34.15-76.75 GRANODIORITE</b>	<b>305909</b>	<b>34.2</b>	<b>34.8</b>	<b>8</b>	<b>0.04</b>	<b>0.19</b>	
46	CA	75	VEN		pale brown/tan to greenish grey; variably altered; brecciated & silicified							
47					at FW contact with <b>VEIN</b> ; several 5-15cm irregular spaced clay gouge	<b>305910</b>	<b>STANDARD</b>					
48					zones & assoc. brecciation represents faulting; very strong pyrophyllite		<b>WCM PB121</b>					
49	CA	60	GOU		alteration of groundmass from 38-40m;	<b>305911</b>	<b>34.8</b>	<b>35.7</b>	<b>6</b>	<b>0.03</b>	<b>0.27</b>	
50					mm to cm scale qz + sulf veinlets at 60-75 to CA from 41-47.2m, some	<b>305912</b>	<b>35.7</b>	<b>36.6</b>	<b>&lt;2</b>	<b>0.04</b>	<b>0.52</b>	
51					bearing gal blebs and sph patches; core gets pale brown tint at 44m							
52					& fractures are filled with pale orange/yellow soft mineral-appears to be	<b>305913</b>	<b>41</b>	<b>42</b>	<b>&lt;2</b>	<b>0.02</b>	<b>0.29</b>	
53					ankerite (wk HCl reaction); short intervals of remnant biotite	<b>305914</b>	<b>42</b>	<b>43</b>	<b>&lt;2</b>	<b>0.03</b>	<b>0.32</b>	
54					replaced by chl & minor py/po & feldspar altering to soft pale green clay	<b>305915</b>	<b>BLANK</b>					
55	CA	60	VEN		(saussiturization);		<b>QUARTZ MATERIAL</b>					
56					<b>RECOVERY 305909=100%</b>							
57						<b>305916</b>	<b>43</b>	<b>44</b>	<b>14</b>	<b>0.04</b>	<b>0.33</b>	
58						<b>305917</b>	<b>44</b>	<b>45</b>	<b>12</b>	<b>0.06</b>	<b>0.17</b>	
59						<b>305918</b>	<b>45</b>	<b>46</b>	<b>24</b>	<b>0.01</b>	<b>0.27</b>	
60	CA	60	VEN		<b>NB</b> Core box size is NQ not NQ2 and rubbly core spills into next row when	<b>305919</b>	<b>46</b>	<b>47</b>	<b>22</b>	<b>0.09</b>	<b>0.39</b>	
					emptying tube; this occurred with the 32-33m interval getting rubbly material							
					from mineralised section at 34m; all possible steps were taken to ensure sample	<b>305920</b>	<b>STANDARD</b>					
					<b>305906</b> was not contaminated		<b>WCM PB121</b>					

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-01

LOGGED BY: F. ANDERSEN

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.						
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn	
60	CA	75	GOU		<b>34.15-76.75 GRANODIORITE</b>	305920	STANDARD					
61	CA	55	VEN		complete clay alteration of groundmass with wet sticky gouge zones from		WCM PB121					
62					65.4-74.6m, then becoming clay groundmass supported breccia rubble	305921	47	48	<2	0.02	0.27	
63	CA	80	VEN		from 74.6-76.75m (fault zone);10cm gouge following QV at 69.05m;							
64					40cm gouge at 74.6m	305922	60	60.3	15	<0.01	2.79	
65	CA	80	VEN		qz+ bi/chl + py vein at 60.15, 62.7, 63.3, 65.4 & 69.05m (all < 6cm wide,	305923	60.3	61.5	3	0.03	0.09	
66					all ~60 to CA);galena blebs in qv at 69.05m;	305924	61.5	62.5	6	0.02	0.09	
67					2% py/po in groundmass							
68						305925	BLANK					
69							QUARTZ MATERIAL					
70						305926	62.5	63.2	9	0.04	0.25	
71						305927	63.2	63.5	27	0.11	2.72	
72						305928	63.5	64.5	<2	<0.01	0.04	
73												
74						305929	68.85	69.35	<2	<0.01	0.01	
75												
76	CA	60	CON			305930	STANDARD					
77					<b>76.75-77.35 ANDESITE DYKE</b>		WCM PB121					
78					100% bluish grey clay with rare glassy quartz eyes as seen							
79					in <b>ANDD</b> uphole at 30.2m							
80												
81					<b>77.35-85 GRANODIORITE</b>							
82					greyish green colour;fine grained equigranular quartz rich groundmass							
83					with 3% large (to 2 cm ) wk clay altered zoned feldspar phenos and							
84					fragments;30cm section of glassy to grey vuggy quartz veining with drusy							
85					qz & py infill from 79.9m;<2% po & py blebs disseminated in groundmass;							
EOH 85M					<b>NB</b> client chose not to conduct downhole surveys							





**Drill Hole Geotechnical Log**

**CMC Metals Ltd**

**Drill Hole No:** CMC SH07-01

**Logged by:** K Andersen/S Bowie

Box No	From (m)	To (m)	Int (m)	Rec	Rec %	Breaks	Breaks/M	Sum >10cm	RQD %	Comments	Core Size
<b>Casing</b>	<b>0</b>	<b>13</b>									
1	13	16	3	1.42	47	99	99	24	8		NQ2
1	16	19	3	2.87	96	99	99	83	28		NQ2
1, 2	19	22	3	2.98	99	34	11	155	52		NQ2
2, 3	22	25	3	2.96	99	39	13	126	42		NQ2
3	25	28	3	2.67	89	99	99	163	54		NQ2
3,4	28	31	3	1.95	65	99	99	13	4	clay stuck in tube & 42cm retrieved on 12-Aug	NQ2
4	31	34	3	2.9	97	99	99	0	0		NQ2
4,5	34	37	3	2.8	93	99	99	43	14		NQ2
5	37	40	3	2.78	93	99	99	56	19		NQ2
6	40	43	3	2.88	96	99	99	109	36		NQ2
6,7	43	46	3	2.8	93	43	15	72	24		NQ2
7	46	49	3	2.77	92	42	15	97	32		NQ2
7,8	49	52	3	2.71	90	99	99	70	23		NQ2
8	52	55	3	2.85	95	99	99	63	21		NQ2
9	55	58	3	2.86	95	99	99	69	23		NQ2
9,10	58	61	3	2.88	96	58	20	88	29		NQ2
10	61	64	3	2.98	99	46	15	88	29		NQ2
10,11	64	67	3	2.99	100	20	7	211	70		NQ2
11	67	70	3	2.96	99	26	9	160	53		NQ2
11,12	70	73	3	2.92	97	99	99	115	38		NQ2
12	73	76	3	2.63	88	99	99	35	12		NQ2
12,13	76	79	3	2.99	100	99	99	112	37		NQ2
13,14	79	82	3	3	100	25	8	212	71		NQ2
14	82	85	3	3	100	21	7	145	48		NQ2

EOH

Total Metres 66.55  
Total Recovery 92%

**CMC Metals Ltd.  
Drill Log**

Property: SILVERHART Claim: CMC 27  
 Target: Condemnation hole for proposed mill site;collar located south of Zn/Pb/Ag anomalous soil line due to pad requirements  
 Drill Hole: CMC SH07-02 Azimuth: 135 Inclination: -48 Length: 117m Hole Size: NQ2  
 NAD83 E: 404353 NAD83 N: 6688894 Local Grid E: 9870 Local Grid N: 9754 Elevation: 4720 ft  
 Start Date: 31-Jul-07 End Date: 05-Aug-07 Drilled by: Bertram Drilling Co. Logged by: Farrell Andersen  
 Survey Type: none Hole Survey 1: \_\_\_\_\_ Hole Survey 2: \_\_\_\_\_ Hole Survey 3: \_\_\_\_\_

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.						
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn	
					0-6	NO CORE-CASING						
					6-9	SOIL & CLAY-OVERBURDEN						
					9-61	<b>FELDSPAR PORPHYRITIC GRANODIORITE/BIOTITE GRANODIORITE</b>						
						pale green to med green with sections of tan/brown colouring giving a mottled appearance;composition of qz+fel+bi, with biotite giving a speckled appearance to core when >10%;fine to med. grained with 2-10% cm sized zoned orthoclase & irregular shaped opaque quartz phenos;some sections of core appear to be weakly foliated-possibly an earlier phase GRDR;overall propylitic alteration with sections of bleached (argillic) alteration;brown/tan oxidation envelopes bleeding outwards from fractures/veinlets becoming potassic (albite?) altered envelopes from	305937	9.5	11	2	0.02	0.15
						chl/bi+qz+py fractures/veinlets after 26m;pervasive hairline to mm carbonate (calcite & dolomite) fracturing irregularly spaced throughout entire hole;trace to 1% diss. py in core, locally increasing to 2-3% with discontinuous py filled fractures & py selvages on qz veinlets;	305931	11	12	<2	0.02	0.2
						occasional waxy black chlorite polished surfaces on some fractures associated with regions of non-rotated brecciation & crackle fracturing; indicates slight movement along fracture planes;	305932	12	13	<2	0.04	0.25
						9.5-15.5m is wkly silicified shown by mm scale white qz filled veinlets and vuggy gashes with drusy qz fill;this section has trace freibergite, 1% diss. galena & within the Mn stained sections, occasional sphalerite	305933	13	14	<2	0.03	0.17
						2-5cm friable clay altered bands at 55.6,56.1 & 6.7m,coincidental with	305934	14	15	<2	0.02	0.09
							305935	BLANK				
								QUARTZ MATERIAL				
							305936	15	15.5	<2	0.03	0.14



## Drill Hole Geotechnical Log

CMC Metals Ltd

Drill Hole No: CMC DDH SH07-02Logged by: K Andersen

Box No	From (m)	To (m)	Int (m)	Rec	Rec %	Breaks	Breaks/M	Sum >10cm	RQD %	Comments	Core Size
	0	6									
1	6	9	3	0.90	30	99	99	0		Overburden	NQ2
1	9	12	3	2.59	86	99	99	95	32		NQ2
1/2	12	15	3	2.98	99	99	99	186	62		NQ2
2	15	18	3	3.04	101	44	14	134	45		NQ2
2/3	18	21	3	2.94	98	30	10	152	51		NQ2
3	21	24	3	2.93	98	22	8	233	78		NQ2
3/4	24	27	3	2.97	99	28	9	159	53		NQ2
4	27	30	3	2.98	99	31	10	162	54		NQ2
5	30	33	3	2.98	99	99	99	58	19		NQ2
5/6	33	36	3	2.98	99	36	12	137	46		NQ2
6	36	39	3	2.87	96	39	14	149	50		NQ2
6/7	39	42	3	2.95	98	34	12	174	58		NQ2
7	42	45	3	2.92	97	50	17	94	31		NQ2
7/8	45	48	3	2.86	95	38	13	157	52	rubble zone	NQ2
8	48	51	3	2.78	93	44	16	78	26	rubble zone	NQ2
8/9	51	54	3	3.02	101	31	10	153	51		NQ2
9	54	57	3	3.03	101	59	19	73	24	rubble zone	NQ2
9/10	57	60	3	2.98	99	32	11	159	53		NQ2
10	60	63	3	3.05	102	28	9	201	67		NQ2
11	63	66	3	2.96	99	23	8	178	59		NQ2
11/12	66	69	3	3.01	100	17	6	260	87		NQ2
12	69	72	3	2.95	98	16	5	236	79		NQ2
12/13	72	75	3	3.00	100	18	6	253	84		NQ2
13	75	78	3	2.99	100	34	11	168	56	rubble zone	NQ2
13/14	78	81	3	2.98	99	22	7	215	72		NQ2
14	81	84	3	3.08	103	17	6	211	70		NQ2
14/15	84	87	3	3.00	100	25	8	205	68		NQ2
15	87	90	3	3.10	103	20	6	238	79		NQ2
15/16	90	93	3	3.10	103	45	15	254	85		NQ2
16	93	96	3	2.97	99	24	8	48	16		NQ2
16/17	96	99	3	2.94	98	13	4	226	75		NQ2
17	99	102	3	2.97	99	23	8	149	50		NQ2
17/18	102	105	3	3.00	100	23	8	174	58		NQ2
18	105	108	3	3.00	100	18	6	223	74	rubble zone	NQ2
18/19	108	111	3	3.04	101	14	5	249	83		NQ2
19	111	114	3	3.02	101	26	9	176	59		NQ2
19/20	114	117	3	3.00	100	15	5	222	74		NQ2

EOH

Total Metres 107.86

Total Recovery 97%

**CMC Metals Ltd.  
Drill Log**

Property: SILVERHART

Claim: CMC 27

Target: Twinning hole 85-6;1985 Lower TM zone intercepts of 0.7ft @ 21.2 opt Ag & 19.8% Zn from 79.5 ft & 1.3ft @ 79.4 opt Ag & 18.6% Zn from 93.7 ft down hole

Drill Hole: CMC SH07-03 Azimuth: 135 true Inclination: -45 Length: 86m Hole Size: NQ2

NAD83 E: 404282 NAD83 N: 6688954 Local Grid E: 9676 Local Grid N: 9712 Elevation: 4709 ft

Start Date: 06-Aug-07 End Date: 08-Aug-07 Drilled by: Bertram Drilling Co. Logged by: Farrell Andersen

Survey Type: none Hole Survey 1: \_\_\_\_\_ Hole Survey 2: \_\_\_\_\_ Hole Survey 3: \_\_\_\_\_

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.								
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn			
7					0-7 NO CORE-CASING									
8	CA	65	GOU		7-8 FRESH GRANODIORITE (BOULDER)									
9						305938	16	17	3	0.01	0.15			
10					8-30.5 GRANODIORITE	305939	18	19	5	0.02	0.15			
11					pale green grey colour;med grained, inequigranular fel+qz+bi;biotite									
12					in groundmass altering to pyrophyllite & chlorite;feldspars wk to mod	305940	STANDARD							
13	CA	70	GOU		kaolinized or sericitised;occasional interstitial epidote;core is variably		WCM PB121							
14					altered & oxidised;trace to 1% diss py in groundmass and 1% py along	305941	20	21	<2	0.02	0.1			
15					margins of randomly scattered & oriented quartz veinlets;trace isolated	305942	22	23	3	0.03	0.17			
16					gal diss in groundmass;oxidised surfaces on fractures strong to 18m &	305943	24.5	25.5	17	0.02	0.24			
17					patchy after;cm scale Fe+Mn Ox envelopes bleeding into unoxidised core;	305944	25.5	26.4	47	<0.01	0.05			
18					clay gouge zones to 15cm width at 8.2m (65 to CA);13.5m(70 to CA);									
19					21.3m(60 to CA) & 26.7m(75 to CA);	305945	BLANK							
20					qz+py+sph+gal veinlets from 26.4-30.5m;larger veinlets at 27.9m (3cm qz+		QUARTZ MATERIAL							
21	CA	60	GOU		py+sph+aspy+gal+cpy, 30 to CA) & at 29.6m (6cm qz+sph+aspy+py+gal, 6	305946	26.4	27	23	0.06	1.15			
22					60 to CA); 3 x 2mm qz+sph veinlets from 29.1-29.6m at low angles to CA	305947	27	27.8	<2	0.01	0.2			
23					mm scale veinlets of dull, metallic black mineral-possibly freibergite, within	305948	27.8	28.4	170	0.47	2.75			
24					sample 305946	305949	28.4	29	4	0.08	1.54			
25														
26	CA	75	GOU			305950	STANDARD							
27							WCM PB121							
28	CA	30	VEN			305951	29	29.6	4	0.02	1.22			
29						305952	29.6	30	178	0.04	5.16			
30						305953	30	30.5	<2	0.02	0.73			

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-03

LOGGED BY: Farrell Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
30	CA	70	VEN		<b>30.5-31.15 VEIN</b>	<b>305954</b>	<b>30.5</b>	<b>31.15</b>	2011	5.37	27.79
31					45cm of banded qz+sph & patches of galena followed by 20cm of mottled						
32					white & grey opaque qz with silicified wall rock fragments;	<b>305955</b>	<b>BLANK</b>				
33					banding and contacts 70 to CA		<b>QUARTZ MATERIAL</b>				
34					25% SPH,45% QZ,12% GAL,8% PY,2% CPY, 8% BI/CHL						
35					<b>RECOVERY 305953=108%; 305954=95%;</b>						
36	CA	60	FLT								
37					<b>31.15-36.3 GRANODIORITE</b>	<b>305956</b>	<b>31.15</b>	<b>31.5</b>	13	0.11	0.35
38	CA	70	CON		pale green, clay & sericite altered groundmass;remnant bi replaced by	<b>305957</b>	<b>31.5</b>	<b>32.5</b>	5	0.01	0.44
39					minor py and pale grey mica (pyrophyllite);	<b>305958</b>	<b>32.5</b>	<b>33.5</b>	3	0.01	0.5
40					trace diss gal & 3-5% py throughout core;15% of interval is qz veins to	<b>305959</b>	<b>33.5</b>	<b>34.5</b>	<2	0.05	0.23
41					4cm widths;<2% sph associated with later stage qz+py veining cutting						
42					earlier qz+cb phase;minor Mn & Fe Ox on fracture surfaces	<b>305960</b>	<b>STANDARD</b>				
43					<b>RECOVERY 305956=98%</b>		<b>WCM PB121</b>				
44					<b>36.3-37.2 FAULT ZONE-GRANODIORITE</b>						
45					pale yellow brown clay gouge matrix supported brecciated <b>GRDR</b> ;last						
46					30cm is friable to highly fractured;upper contact planar 60 to CA;lower						
					contact rubbly & indistinguishable						
					<b>37.2-38.4 GRANODIORITE</b>						
					pale green grey;oxidised fracture surfaces;2% diss py						
					<b>38.4-40.1 ANDESITE DYKE</b>						
					dull black colour;soft clay altered very fine grained groundmass;						
					hbl phyric with rare mm feldspar phenos						
					contacts 70 to CA						
					<b>40.1-46 GRANODIORITE</b>						
					pale green colour;variable alteration-silicified after <b>ANDD</b> , then propylitic						
					with patchy bleached and possible albitised sections;strong clay altered						
					with several parallel (55 to CA) cm sized rubbly gouge bands from 45-46m;						
					occasional qz+py+chl stringer						

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-03

LOGGED BY: Farrell Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
46	CA	55	FLT		<b>46-46.8 FAULT ZONE</b>	305961	46	46.8	<2	<0.01	0.15
47					relict igneous texture discernible in rubble section composed of 80% sticky clay						
48					clay & 20% friable rubble; upper contact 55 to CA						
49											
50					<b>46.8-47.1 VEIN</b>	305962	46.8	47.1	4	0.03	1.03
51	CA	90	VEN		rubbly opaque quartz fragments and silicified granodiorite with 3mm						
52					sphalerite band at lower contact						
53						305963	47.1	47.6	5	0.05	0.2
54					<b>47.1-80 GRANODIORITE</b>						
55					tan to green grey colour; variable alteration; feldspars altering to clays;	305978	67	68	<2	<0.01	<0.01
56					biotite replaced by py/chl or pyrophyllite; start getting dolomite filled	305979	68	69	<2	0.02	0.08
57					fracturing; randomly spaced and oriented quartz veinlets - often grey	305964	69	70	<2	0.02	0.05
58					coloured from fine grained sulfide (py); wk foliation visible in less altered						
59					rock; short sections of core, notably in 53-54.5m are very white & chalky-	305965	BLANK				
60					possible albitisation or potassic altered (no magnetite or biotite noted);		QUARTZ MATERIAL				
61					trace diss galena in irregular shaped qz+py+sph veinlets cutting an	305966	70	71	<2	0.01	0.02
62					earlier qz+cb set; 10cm opaque QV with diss sphalerite at 50.7m; qz+	305967	71	72	<2	0.05	0.37
63					py+chl veinlets common after 58.5m; qz+sph veinlets from 71.6-71.75m	305968	72	73	<2	0.05	0.15
64					71.5-73m is network fracture zone with qz+py veins to 6cm width;	305969	73	74	<2	0.06	0.13
65					61.5-67m core is intensely clay (argillic) altered as seen in hole SH07-01;						
66					sticky clay gouge with oxide staining from 66-66.5m; core becomes more	305970	STANDARD				
67					competent after 67m due to fine qz stockworking leading into silicified		WCM PB121				
68					<b>GRDR</b> from 69.5-80m - more intense sil sections have a finer grain sized	305971	74	75	4	0.07	0.25
69					groundmass; larger QV found from 74.2-74.6m; 74.9-75.1m & 76.55-76.7m;	305972	75	76	4	0.03	0.54
70	CA	80	BRX			305973	76	77	<2	0.03	0.34
71						305974	77	78	<2	0.02	0.41
72											
73						305975	BLANK				
74							QUARTZ MATERIAL				
75						305976	78	79	<2	<0.01	0.29
76						305977	79	80	2	0.08	0.32





**CMC Metals Ltd.  
Drill Log**

**DRILL HOLE: CMC SH07-03**

**LOGGED BY: F. Andersen**

METRES		LITHOLOGY	ALTERATION																	MINERALISATION							
FROM	TO		WHAT	HOW	INTENSITY	SEC	CHL	SIL	LIM	MNO	PYY	PYO	MAG	CRB	BIO	CLA	HEM	KFE	ANK	GAL	SPH	TET	CPY	PBO	ZNO	ARS	HOW
7.8	17	GRDR	OXI	PRV	S	X		X	X						X				TR	TR		TR				DIS	
17	20.6	GRDR	CHL	PRV	M	X	X	X	X	X				X		X			TR	TR		TR				DIS	
20.6	23.1	GRDR	OXI	PRV	S	X	X	X	X	X					X				TR							DIS	
23.1	26.4	GRDR	BLE	PRV	S	X		X		X					X	X											
26.4	31.3	GRDR	SIL	PAT	M			X							X	X	X		1	2		TR				PAT	
27.9	27.93	VEIN																	3	15		1			5	BAN	
28.1	28.13	VEIN																	5	10		TR			3	BAN	
29.6	30	VEIN																	2	10						BAN	
30.5	31.15	VEIN																	10	45		TR				MAS	
31.3	38.4	GRDR	BLE	PRV	S	X	X	X		X					X	X			TR	1						VEN	
32.5	35	GRDR	SIL	PAT	M	X	X	X		X					X												
36.2	37.2	FALT	CLA	PRV	S										X												
38.4	40.1	ANDD	CLA	PRV	M										X												
40.1	41.7	GRDR	CHL	PRV	S	X	X			X				X	X												
41.7	42.5	GRDR	SIL	PRV	M			X									X	X									
42.5	46	GRDR	BLE	PRV	S	X			X		X				X					TR						DIS	
46	46.8	GRDR	CLA	PRV	S										X												
46.8	47.1	VEIN																	TR	3						BAN	
47.1	48.1	GRDR	SIL	PRV	S	X		X	X						X												
48.1	54	GRDR	BLE	PAT	M					X										TR						DIS	
50	54	GRDR	SIL	PAT	M	X		X	X	X							X		TR	TR						DIS	
54	57	GRDR	CHL	PAT	S	X				X				X		X											
57	62	GRDR	BLE	PAT	M	X	X			X					X												
59.5	60.2	GRDR	SIL	PRV	S			X		X																	
60.8	67	GRDR	CHL	PAT	M	X	X			X				X		X											
62	67	GRDR	CLA	PAT	S	X	X								X												
67.5	70	GRDR	SIL	PRV	S		X	X	X		X																
70	80	GRDR	SIL	PAT	S		X	X	X		X									TR						VEN	
80	81	FALT	CLA	PRV	S										X												
81	84	GRDR	CHL	PRV	S	X	X			X				X													
84	86	ANDD	CLA	PRV	S										X												

**Drill Hole Geotechnical Log**

**CMC Metals Ltd**

**Drill Hole No:** CMC DDH SH07-03

**Logged by:** K Andersen/S Bowie

Box No	From (m)	To (m)	Int (m)	Rec	Rec %	Breaks	Breaks/M	Sum >10cm	RQD %	Comments	Core Size
	0	7								<b>Casing</b>	
1	7	8	1	0.85	85	14	16	40	40		NQ2
1	8	11	3	2.10	70	34	16	46	15		NQ2
1/2	11	14	3	2.90	97	42	14	94	31		NQ2
2	14	17	3	2.91	97	56	19	111	37		NQ2
2/3	17	20	3	2.99	100	26	9	180	60		NQ2
3	20	23	3	2.88	96	52	18	65	22		NQ2
3/4	23	26	3	2.86	95	49	17	91	30		NQ2
4	26	29	3	2.89	96	38	13	105	35		NQ2
4/5	29	32	3	2.90	97	37	13	145	48		NQ2
5/6	32	35	3	2.97	99	40	13	119	40		NQ2
6	35	38	3	3.02	101	50	17	21	7		NQ2
6/7	38	41	3	2.99	100	99	99	50	17		NQ2
7	41	44	3	3.00	100	53	18	60	20		NQ2
7/8	44	47	3	3.05	102	99	99	0	0		NQ2
8	47	50	3	2.96	99	42	14	58	19		NQ2
8/9	50	53	3	2.97	99	35	12	150	50		NQ2
9/10	53	56	3	2.86	95	30	10	116	39		NQ2
10	56	59	3	3.09	103	28	9	194	65		NQ2
10/11	59	62	3	2.94	98	21	7	203	68		NQ2
11	62	65	3	2.96	99	23	8	152	51		NQ2
11/12	65	68	3	2.99	100	31	10	96	32		NQ2
12	68	71	3	2.91	97	25	9	193	64		NQ2
12/13	71	74	3	2.93	98	99	99	23	8		NQ2
13	74	77	3	3.05	102	99	99	107	36		NQ2
13/14	77	80	3	3.11	104	29	9	116	39		NQ2
14/15	80	83	3	3.10	103	99	99	85	28		NQ2
15	83	86	3	1.75	58	99	57	35	12	1.3m stuck in tube	NQ2

**EOH**

**Total Metres 75.9**

**Total Recovery 96%**

**CMC Metals Ltd.  
Drill Log**

Property: SILVER HART

Claim: CMC 27

Target: Twinning hole 85-5;1985 TM zone intercepts form 109-130 ft down hole include: 1.0ft @ 4.9 opt Ag/14.8% Zn; 2.7 ft @ 1.9 opt Ag/4.6% Zn;1.7 ft @ 8.4 opt Ag/13.7% Zn

Drill Hole: CMC SH07-04 Azimuth: 135 Inclination: -45 Length: 59m Hole Size: NQ2

NAD83 E: 404331 NAD83 N: 6688995 Local Grid E: 9608 Local Grid N: 9930 Elevation: 4749ft

Start Date: 14-Aug-07 End Date: 16-Aug-07 Drilled by: Bertram Drilling Company Logged by: Farrell Andersen

Survey Type: none Hole Survey 1: \_\_\_\_\_ Hole Survey 2: \_\_\_\_\_ Hole Survey 3: \_\_\_\_\_

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.								
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn			
3					0-3 NO CORE-CASING									
4														
5					3-36.7 GRANODIORITE									
6					It grey to pale greyish green, medium grained, inequigranular variably									
7					altered granodiorite;patches of remnant biotite within a dominantly									
8					chloritised to propylitised groundmass;upper section pervasively oxidised									
9					then isolated bands of FeOx after 9 m;strongly fractured & broken with									
10					increasing competency downhole becoming hairline cb+FeOx healed;	305980	STANDARD							
11	CA	40	FRC		occasional rubbly to clay rich sections of cm scale magnitude;		WCM PB121							
12					yellowish brown clay is common on fracture surfaces;									
13					core appears to be regularly breaking along two opposing fracture sets,									
14					both at 55 to CA;									
15					trace to 1% diss py in groundmass,often replacing biotite									
16					18.2-19.4m is very fractured to rubbly core representing a <b>FAULT ZONE</b>	305981		30.8	31.8	<2	0.01	0.07		
17					21.1-25.4m have minor quartz veining 70 & 90 to CA	305982		31.8	32.8	<2	<0.01	0.06		
18	CA	60	FLT		from 21.6m mafics are destroyed and epidote + calcite veining is common;									
19					short intervals are dominated by pyrophyllite with minor remnant biotite									
20					27.7m have <10cm of sticky white clay-rods stuck in hole at this point-									
21	CA	70	VEN		coincides with strong argillised section of core to 29.1m									
22					start getting diss galena specks from 25m, becomes associated with solid									
23	CA	55	FRC		white quartz veinlets at 33.2m & increases to 1% diss galena by 34m;									
24	CA	55	FRC											
25	CA	90	VEN											
26														

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-04

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
27					<b>3-36.7 GRANODIORITE</b>	<b>305983</b>	<b>32.8</b>	<b>33.8</b>	<2	0.04	0.55
28					34.1m 2cm sph+qz in pervasive MnOx stained veinlet 50 to CA	<b>305984</b>	<b>33.8</b>	<b>34.7</b>	5	0.06	2.02
29					34.35m 6mm wide vuggy qz veinlet pervasively MnOx stained 70 to CA						
30					34.4-34.6m sph+gal+aspy+qz banding/veining to cm size	<b>305985</b>	<b>BLANK</b>				
31					34.8m 6cm grey & white mottled QV with sphalerite patch 70 to CA		<b>QUARTZ MATERIAL</b>				
32						<b>305986</b>	<b>34.7</b>	<b>35.7</b>	5	<0.01	1.39
33						<b>305987</b>	<b>35.7</b>	<b>36.7</b>	3	<0.01	0.69
34	CA	70	VEN								
35	CA	70	VEN		<b>36.7-37.9 ANDESITE DYKE</b>						
36	CA	75	CON		intense clay altered upper & lower planar contacts, 75 & 65 to CA;	<b>305988</b>	<b>36.7</b>	<b>37.9</b>	<2	<0.01	0.99
37	CA	65	CON		25cm of competent but fractured aphanitic black rock;strongly silicified						
38	CA	70	VEN		HW & FW granodiorite contacts indicate dyke is post granite;						
39											
40	CA	60	VEN								
41					<b>37.9-39.8 GRANODIORITE</b>	<b>305989</b>	<b>37.9</b>	<b>38.5</b>	39	0.03	4.62
					tan brown to orange-brown silicified <b>GRDR</b> with pervasive opaque white						
					quartz veinlet stockwork & wavy dk brown to grey qz+py veins with patchy	<b>305990</b>	<b>STANDARD</b>				
					sph+gal;		<b>WCM PB121</b>				
					38m 5cm qz+sph vein 70 to CA	<b>305991</b>	<b>38.5</b>	<b>39.2</b>	<2	0.02	0.2
					38.18m 4cm sph+qz vein 60 to CA	<b>305992</b>	<b>39.2</b>	<b>39.8</b>	8	<0.01	2.45
					38.37m 9cm QV 65 to CA						
					39.46m 1.5cm banded sph vein 85 to CA						
					39.5m 1cm ptigmatic sph vein						
					<b>RECOVERY 305992=102%</b>						
					<b>39.8-41 VEIN</b>						
					95% white to off-white qz+sulfide;5% silicified <b>GRDR</b> fragments;	<b>305993</b>	<b>39.8</b>	<b>40.4</b>	4	<0.01	1.01
					ribboned sphalerite banding & gal+sph patches throughout interval;	<b>305994</b>	<b>40.4</b>	<b>41</b>	456	1.17	18.94
					40.55-40.85m massive sph+gal+qz zone,banding at 60 to CA						
					<b>RECOVERY 305993=100%; 305994=97%;</b>	<b>305995</b>	<b>BLANK</b>				
							<b>QUARTZ MATERIAL</b>				

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-04

LOGGED BY: F.Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
41	CA	60	CON		<b>41-59 GRANODIORITE</b>	<b>305996</b>	<b>41</b>	<b>41.6</b>	4	0.02	0.73
42					silicified FW to <b>VEIN</b> becoming bleached to argillised with patchy sections	<b>305997</b>	<b>41.6</b>	<b>42.6</b>	2	0.07	0.67
43					of dk green chlorite after biotite to 45m;intense clay alteration of	<b>305998</b>	<b>42.6</b>	<b>43.6</b>	<2	<0.01	0.63
44					groundmass at 42.5m due to intense fracturing;bleached & silicified						
45					from 44.2-44.75m with cm scale opaque grey qz veinlets;igneous texture						
46					distinct within chloritic sections, fuzzy to obscure in argillic sections;						
47					remainder of hole from 45m is chloritic to propylitic altered with scattered	<b>305999</b>	<b>52</b>	<b>53</b>	<2	<0.01	0.1
48					qz+cb veinlets to 1cm size ~80 to CA;5cm clay gouge band 60 to CA at						
49					53.45m;1% py grains disseminated & interstitial to biotite/chlorite	<b>306000</b>	<b>STANDARD</b>				
50					52.3m 1cm black sulfide (py)+qz veinlet 70 to CA;rare opaque grey to		<b>WCM PB121</b>				
51					white qz veinlets with py selvages within last 3m;						
52					52.8m 1.5cm vuggy clear qz veinlet						
53					<b>RECOVERY 305996=95%</b>						
54					<b>NB</b> 47-50m core tube empty & core jammed in barrel;lost ~1.5m						
55											
56											
57											
58											
59											
<b>EOH 59M</b>					<b>NB</b> client chose not to conduct down hole surveys						



**Drill Hole Geotechnical Log**

**CMC Metals Ltd**

**Drill Hole No:** CMC DDH SH07-04

**Logged by:** K Andersen/S Bowie

Box No	From (m)	To (m)	Int (m)	Rec	Rec %	Breaks	Breaks/M	Sum >10cm	RQD %	Comments	Core Size
	0	3	3							Casing	
1	3	5	2	1.83	92	99	99	30	15		NQ2
1/2	5	8	3	2.93	98	99	99	27	9		NQ2
2	8	11	3	2.78	93	99	99	61	20		NQ2
2/3	11	14	3	3.02	101	99	99	131	44		NQ2
3	14	17	3	2.81	94	99	99	116	39		NQ2
3/4	17	20	3	2.59	86	99	99	38	13		NQ2
4	20	23	3	3.00	100	99	99	68	23		NQ2
4/5	23	26	3	2.77	92	44	16	112	37		NQ2
5	26	29	3	2.95	98	99	99	83	28		NQ2
6	29	32	3	2.94	98	99	99	123	41		NQ2
6/7	32	35	3	2.89	96	99	99	105	35		NQ2
7	35	38	3	3.00	100	99	99	69	23		NQ2
7/8	38	41	3	2.90	97	99	99	85	28		NQ2
8	41	44	3	2.94	98	99	99	40	13		NQ2
9	44	47	3	2.46	82	99	99	47	16		NQ2
9	47	50	3	1.42	47	99	99	46	15		NQ2
9/10	50	53	3	3.02	101	29	10	157	52		NQ2
10	53	56	3	2.94	98	99	99	141	47		NQ2
10/11	56	59	3	2.90	97	99	99	135	45		NQ2

**EOH**

**Total Metres 52.09**

**Total Recovery 93%**

**CMC Metals Ltd.  
Drill Log**

Property: Silver Hart Claim: CMC27  
 Target: Galena pod in M zone at ~40 feet below surface  
 Drill Hole: CMC SH07-05 Azimuth: 345 Inclination: -50 Length: 62 Hole Size: NQ2  
 NAD83 E: 404934 NAD83 N: 6689102 Local Grid E: 10708 Local Grid N: 11588 Elevation: 5000 ft  
 Start Date: 17-Aug-07 End Date: 19-Aug-07 Drilled by: Bertram Drilling Company Logged by: Farrell Andersen  
 Survey Type: none Hole Survey 1: \_\_\_\_\_ Hole Survey 2: \_\_\_\_\_ Hole Survey 3: \_\_\_\_\_

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.								
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn			
					0-3 NO CORE-CASING									
3														
					3-5.8 <b>CALC-SILICATE (SKARN 2006)</b>									
4					dk green, fine to medium grained, granular diopside/hedenbergite+									
					epidote+calcite+garnet with 2% diss py;cm scale qz vnlets+silicification									
5					in last metre;lower contact broken & rubbly;dk brown chocolate stain on fracture surfaces	701001	5.1	5.8	87	0.38	0.81			
6	CA	50	FRC											
	CA	70	BAN		5.8-11.9 <b>MARBLE</b>									
7					variably mottled by brown garnet & pale green epidote;wollastonite+calcite									
					marble;commonly breaking 55 to CA;rare rubbly vnlets <1cm size of qz+									
8					albite+FeOx,~20 to CA;open fracturing 50 to CA & marble banding									
					70 to CA;trace galena specks associated with qz+chl+py+hem vnlets									
9	CA	55	FRC											
					11.9-15 <b>CALC-SILICATE</b>									
10					as before + wollastonite;3-5% py/po blebs interstitial to diopside & diss									
					in matrix;core is silicified from 14.1-14.5m then py/po is oxidised & core	701002	13.9	14.5	<2	<0.01	0.04			
11					is stained pale brown;FeOx alteration front @14.5m;brown colour may	701003	14.5	15	4	0.04	0.46			
					also result from siderite replacement of calcite;minor Mn staining on									
12	CA	30	CON		fracture surfaces & Mn+Fe Ox envelopes to quartz+calcite vnlets;									
					upper contact is undulating ~30 to CA;epidote banding cuts across contact									
13														
					<b>RECOVERY 701003=98%</b>									
14														



**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-05

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.								
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn			
					<b>15-15.7 SKARN</b>	<b>701004</b>	<b>15</b>	<b>15.55</b>	751	8.13	17.84			
15					pervasively silicified calc-silicate with large FeOx patches at start & end of vein interval; core is mottled & non-sulfide rich to 15.1m, becoming	<b>701005</b>	<b>BLANK</b>							
16	<b>CA</b>	<b>75</b>	<b>BAN</b>		massive interbanded galena/sphalerite/pyrite/grey quartz from 15.1-15.55m		<b>QUARTZ MATERIAL</b>							
	<b>CA</b>	<b>75</b>	<b>VEN</b>		4cm solid py band at 15.35m indicates banding is 75 to CA;									
17					<b>RECOVERY 701004=98%</b>									
	<b>CA</b>	<b>70</b>	<b>BAN</b>											
18					<b>15.7-17.3 CALC-SILICATE</b>	<b>701006</b>	<b>15.55</b>	<b>16.5</b>	50	0.57	1.51			
					50cm of FeOx alteration; FW to SKRN is lighter brown in colour than HW &	<b>701007</b>	<b>16.5</b>	<b>17.3</b>	6	0.1	0.5			
19	<b>CA</b>	<b>70</b>	<b>VEN</b>		is very fine grained & massive; grades into a thinly laminated green diopside/hedenbergite etc. calc-silicate @16.7m with open fracturing;									
20					epidote appears restricted to envelopes of qz+cc+hem+chl vnlets, all~75 to CA;									
					qz+ankerite vnlets to 1cm size with dk brown goethite+siderite envelopes									
21														
					<b>17.3-18.3 SKARN</b>	<b>701008</b>	<b>17.3</b>	<b>18.3</b>	257	1.48	3.21			
22					mottled brown/pale pink/pale yellow to cream, fine grained with banding 70 to CA; mm clear qz stockwork; sphalerite & patchy galena vnlets; 6cm sph									
23					band at lower contact;									
					overall 1% gal & 3% sph									
24														
					<b>18.3-20.3 CALC-SILICATE</b>	<b>701009</b>	<b>18.3</b>	<b>19.3</b>	<2	0.03	0.1			
25					It brown to pink garnet bed becoming dk green hedenbergite/diopside+ calcite+epidote+garnet down hole; mottled greens and beige colours; trace	<b>701010</b>	<b>STANDARD</b>							
26					diss galena along selvages of qz+ankerite vnlets at 70 to CA		<b>WCM PB120</b>							
	<b>CA</b>	<b>25</b>	<b>VEN</b>			<b>701011</b>	<b>19.3</b>	<b>20.3</b>	4	0.03	0.13			
27	<b>CA</b>	<b>15</b>	<b>VEN</b>											
28														
29														

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-05

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
					<b>20.3-28.3 HORNFELED BIOTITE SCHIST</b>	<b>701012</b>	<b>20.3</b>	<b>21.3</b>	<2	<0.01	0.03
					purplish hue to a dk greenish to bluish grey, fine grained siliceous, thinly	<b>701013</b>	<b>21.3</b>	<b>22.3</b>	<2	<0.01	0.02
					laminated, well foliated pyritic hornfelsed schist;short interbeds of	<b>701014</b>	<b>22.3</b>	<b>23.3</b>	<2	<0.01	0.02
					mottled calc-silicate;occasional clots & knots of opaque white quartz in both;	<b>701015</b>	<b>BLANK</b>				
					5% py/po as discontinuous veinlets & lenses with qz+chl+py vnlets cutting		<b>QUARTZ MATERIAL</b>				
					foliation;epidote gash fill starts at 26.4m,becoming patches down hole;	<b>701016</b>	<b>23.3</b>	<b>24.3</b>	<2	<0.01	0.01
					10cm epidote patch at 28.2m marks a transition to a thick calc-silicate bed;	<b>701017</b>	<b>24.3</b>	<b>25.3</b>	<2	<0.01	0.01
					26.6m 2cm vuggy qz+calcite veinlet 25 to CA	<b>701018</b>	<b>25.3</b>	<b>26.3</b>	<2	<0.01	0.01
					10cm epidote patch at 28.2m marks a transition to a thick calc-silicate bed;	<b>701019</b>	<b>26.3</b>	<b>27</b>	<2	<0.01	0.01
					26.6m 2cm vuggy qz+calcite veinlet 25 to CA						
						<b>701020</b>	<b>STANDARD</b>				
							<b>WCM PB120</b>				
					<b>28.3-31.2 CALC-SILICATE</b>	<b>701021</b>	<b>27</b>	<b>27.7</b>	<2	<0.01	0.01
<b>29</b>					med to fine grained granular pale pinkish brown garnet+wollastonite+quartz+	<b>701022</b>	<b>27.7</b>	<b>28.3</b>	<2	<0.01	0.02
					feldspar;mm sized randomly oriented chlorite+actinolite fracturing causes						
<b>30</b>	<b>CA</b>	<b>70</b>	<b>VEN</b>		marble texture;pale brown garnet patches indicate a transition into						
					hornfelsed biotite-quartz schist beds;						
<b>31</b>					7% diss po/py blebs & veinlets;trace to 1% diss cpy & trace galena						
					30.25m qz+cb veinlets with ribboned gal & sph blebs 70 to CA;cm scale						
<b>32</b>					black chlorite envelope to veinlet						
<b>33</b>					<b>31.2-34.6 BIOTITE QUARTZ SCHIST</b>						
					dk green to dk grey colour, well foliated feldspathic biotite/chlorite-quartz schist;						
<b>34</b>					5% pyrrhotite ribboned layers cutting foliation with magnetite selvages & black						
	<b>CA</b>	<b>35</b>	<b>FLT</b>		chl envelopes;calcite filled fracturing steadily increases towards contact with						
<b>35</b>					calc-silicate at 34.6m;locally up to 10% py/po, mostly occurring parallel foliation						
						<b>701023</b>	<b>34.2</b>	<b>35</b>	<2	<0.01	0.11
					<b>34.6-34.8 FAULT</b>						
					dk orange-brown powdery coated fracture with slickensided surfaces 85 to CA;						
					slip fracture cuts core 35 to CA;this fault truncates the narrow veins found on						
					surface north of the galena pod & displaces the galena pod vein extension to the grid south						

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-05

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
34					<b>34.8-61.3 INTERBEDDED CALC-SILICATE &amp; BIOTITE-QUARTZ SCHIST</b>	701024	40	40.6	<2	<0.01	<0.01
35					fine grained mottled & banded garnet+wollastonite+quartz+albite calc-silicate alternating with						
36					green to dk grey biotite-quartz schist;occasional cream coloured siliceous patches within	701025	BLANK				
37	CA	30	VEN		schist;blood red hematite blebs & spots within the upper few metres of core & continuing		QUARTZ MATERIAL				
38					within chlorite+magnetite selvages of calcite+quartz vnlets;common direction for vnlets is	701026	40.6	41	<2	0.05	0.05
39					30 to CA;Mn & Fe Ox coating common on fracture surfaces to 47m;	701027	41	42	<2	<0.01	<0.01
40					trace cpy within hematite spots;1% cpy diss within hornfels from 38-38.2m	701028	42	42.7	<2	<0.01	<0.01
41					locally to 10% py within schist beds; usually 5% or less py as blebs & fracture fill	701029	42.7	43.3	<2	<0.01	<0.01
42					massive garnet beds 51-53m & 56-58.5m						
43	CA	30	VEN		40.7m 1cm qz+ank vnlet with trace gal & sph at selvage	701030	STANDARD				
44	CA	10	FRC		40.9m 6cm section of magnetite+chlorite+hematite vnlets		WCM PB120				
45					43.5m trace diss gal, 5% py, within qz+ank vnlet 30 to CA	701031	43.3	43.9	<2	0.03	0.17
46					44.2m slickensided surfaces plunge 40 to CA;fractures 10 to CA	701032	43.9	44.5	<2	<0.01	<0.01
47					47-51m subparallel sub-cm cb+qz vnlets with chl+ep selvages form fracture zone	701033	44.5	45.5	<2	<0.01	0.01
48					53.6-54.3 pervasive clay altered matrix paralleling foliation seen above zone						
49					53-59m randomly spaced & oriented calcite+pyrite vnlets;						
50											
51					<b>61.3-62 HORNFESED SCHIST</b>						
52					dk brown biotite spotting of a sericite+chlorite altered, well foliated & thinly laminated schist;						
53					clay altered fracturing predominates in last 10cm						
54											
55											
56											
57											
58											
59											
60											
61											
62											
EOH 62M					<b>NB</b> client chose not to conduct downhole surveys						

**CMC Metals Ltd.  
Drill Log**

**DRILL HOLE:**

**LOGGED BY:**

METRES		LITHOLOGY	ALTERATION																	MINERALISATION							HOW
FROM	TO		WHAT	HOW	INTENSITY	SEC	CHL	SIL	LIM	MNO	PYY	PYO	MAG	CRB	HEM	CLA	SID	EPI	DOL	GAL	SPH	TET	CPY	PBO	ZNO		
3	5.8	CSIL	OXI	FRC	W			X	X																		
5.1	5.8	CSIL	SIL	PAT	M		X	X	X																		
5.8	11.9	MARB																		TR						DIS	
11.9	15	CSIL	OXI	FRC	M			X	X																		
14.1	14.5	CSIL	SIL	PRV	M		X				X																
14.5	15	CSIL	OXI	PRV	S			X		X	X						X										
15	15.7	SKRN	SIL	PRV	S			X	X	X									5	15						BAN	
15.7	16.7	CSIL	REP	PRV	M			X	X	X							X	X	X	TR	TR					DIS	
17.3	18.3	SKRN	REP	PRV	S			X	X	X	X			X			X		X	1	3					VEN	
18.3	20.3	CSIL												X				X		TR							
20.3	28.3	SCHT	HFL	PAT			X	X		X	X	X	X					X					TR			VEN	
28.3	31.2	CSIL												X				X		TR	TR		1			VEN	
31.2	34.6	SCHT	VEN	STK	M		X			X	X	X	X														
34.6	34.8	FALT	OXI	FRC	S			X																			
34.8	47	CSIL	OXI	FRC	M			X	X						X					TR	TR					VEN	
34.8	61.3	SCHT	VEN		W		X			X	X	X		X						TR	TR					VEN	
34.8	61.3	CSIL												X				X									
34.8	61.3	SCHT																				TR				DIS	
53	59	SCHT	VEN	STK	W			X		X	X	X		X													
53.6	54.3	FALT	CLA	PRV	S											X											
61.3	62	SCHT	CLA	PAT	S											X											

**Drill Hole Geotechnical Log**

**CMC Metals Ltd**

**Drill Hole No:** CMC DDH SH07-05

**Logged by:** K Andersen/S Bowie

Box No	From (m)	To (m)	Int (m)	Rec	Rec %	Breaks	Breaks/M	Sum >10cm	RQD %	Comments	Core Size
	0	3	3							Casing	
1	3	5	2	1.53	77	99	99	0	0		NQ2
1/2	5	8	3	2.83	94	99	99	31	10		NQ2
2	8	11	3	2.78	93	37	13	116	39		NQ2
2/3	11	14	3	2.69	90	99	99	158	53		NQ2
3	14	17	3	2.63	88	99	99	74	25		NQ2
3/4	17	20	3	2.94	98	99	99	130	43		NQ2
4	20	23	3	3.01	100	23	8	206	69		NQ2
4/5	23	26	3	3.03	101	26	9	167	56		NQ2
5	26	29	3	2.98	99	19	6	189	63		NQ2
5/6	29	32	3	2.92	97	99	99	187	62		NQ2
6	32	35	3	3.00	100	99	99	174	58		NQ2
6/7	35	38	3	2.97	99	99	99	137	46		NQ2
7	38	41	3	2.91	97	35	12	146	49		NQ2
7/8	41	44	3	2.86	95	21	7	146	49		NQ2
8	44	47	3	2.93	98	31	11	93	31		NQ2
8/9	47	50	3	3.02	101	14	5	238	79		NQ2
9	50	53	3	3.02	101	20	7	233	78		NQ2
10	53	56	3	2.97	99	99	99	104	35		NQ2
10/11	56	59	3	2.99	100	35	12	141	47		NQ2
11	59	62	3	2.92	97	99	99	213	71		NQ2

**EOH**

**Total Metres 56.93**  
**Total Recovery 96%**

**CMC Metals Ltd.  
Drill Log**

Property: Silver Hart

Claim: CMC27

Target: Galena pod in M zone at ~60 feet below surface

Drill Hole: CMC SH07-06 Azimuth: 345 Inclination: -70 Length: 80m Hole Size: NQ2

NAD83 E: 404934 NAD83 N: 6689102 Local Grid E: 10708 Local Grid N: 11588 Elevation: 5000 ft

Start Date: 23-Aug-07 End Date: 24-Aug-07 Drilled by: Bertram Drilling Company Logged by: Farrell Andersen

Survey Type: none Hole Survey 1: \_\_\_\_\_ Hole Survey 2: \_\_\_\_\_ Hole Survey 3: \_\_\_\_\_

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.								
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn			
					0-3.6 NO CORE-CASING									
3					3.6-5.7 <b>CALC-SILICATE</b>									
					dk green, fine to medium grained,granular hedenbergite rich calc-silicate,									
4					weakly to non-calcareous;weakly foliated;hairline qz+cc vnlets with hem									
	CA	80	VEN		selvages;dk brown rusty fracture surfaces;patchy silicified zones;									
5					2% py diss in matrix;trace sph+gal in qz+ank veinlet 80 to CA at 4.6m									
	CA	45	CON											
6					5.7-6.8 <b>MARBLE</b>	701034	5.7	6.6	<2	<0.01	0.12			
					pink hued with fine black (phlogopite) spotting in upper metre;wollastonite+									
7					calcite with epidote spots & patches;lower contact very broken, upper	701035	BLANK							
	CA	65	BAN		contact noted by brown clay band 45 to CA;		QUARTZ MATERIAL							
8					fine grained galena at lower contact									
	CA	80	VEN			701036	6.6	7	156	0.77	1.46			
9					6.8-11.7 <b>CALC-SILICATE</b>	701037	7	8	<2	<0.01	0.04			
	CA	25	VEN		diopside+garnet banded calc-silicate with patches of dk green actinolite &	701038	8	9	<2	<0.01	0.04			
10					chlorite;banding is 65 to CA;patchy silicified sections with dk brown FeOx	701039	9	10	<2	0.01	0.09			
	CA	25	VEN		stained vuggy qz vnlets 80 to CA;1-2% blebby py after 10.2m;									
11					8.65m vuggy qz vnlet 80 to CA	701040	STANDARD							
					9.55m vuggy qz vnlet 25 to CA		WCM PB120							
12					10.4m MnOx stained vuggy qz vnlet with possible sph+gal	701041	10	11	<2	<0.01	0.04			
					10cm pale green siliceous aphanitic section-not seen before-possibly	701042	11	11.7	<2	<0.01	0.03			
					rhyolite?									

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-06

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.								
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn			
11					<b>11.7-13.1 MARBLE</b>									
	CA	70	CON		strong banding 50 to CA caused by pale yellow green epidote;upper contact									
12	CA	50	BAN		70 to CA marked by qz+cc vnlet;lower contact 65 to CA									
13	CA	65	CON		<b>13.1-17.55 CALC-SILICATE</b>	701043	13.6	14.1	<2	<0.01	0.04			
					diopside/hedenbergite+garnet+epidote in a marbled to spotted fabric;med to	701044	14.1	15.1	<2	<0.01	0.02			
14					fine grained with strong act+chl veinlets & banding;2% blebby py diss in									
					matrix, trace to 1% gal+sph within Mn stained qz vnlets with chl envelopes;	701045	BLANK							
15					cc+ank+qz vnlets start having cm scale bleached envelopes after 15.3m;		QUARTZ MATERIAL							
					vnlets increase to 5/m towards contact;gal+sph present in vnlets	701046	15.1	16.1	<2	0.04	0.1			
16					16.7m 3mm sph band 75 to CA within zone of parallel qz+ank+gal veinlets;	701047	16.1	17	10	0.15	0.2			
	CA	75	VEN		10cm ankerite/dolomite envelope in core above sph band	701048	17	17.55	<2	<0.01	0.1			
17					unit becomes finer grained, pale brown coloured & pitted in appearance									
	CA	65	CON		nearing contact with SKRN									
18	CA	65	CON		<b>RECOVERY 701048=100%</b>									
19	CA	50	VEN		<b>17.55-18.2 SKARN</b>	701049	17.55	18.2	605	1.36	21.62			
					silicified calc-silicate with pervasive siderite(?) +MnOx replacement to 17.8m									
20					narrow ribboned galena vnlets within replaced interval;	701050	STANDARD							
					20cm intermixed massive banded galena+sphalerite with 2cm massive py		WCM PB120							
					band, identical to intercept in SH07-05;strongly fractured core of massive qz									
					& dolomite to 18.2m;contacts of SKRN are 65 to CA									
					<b>RECOVERY 701049=100%</b>									
					<b>18.2-19.6 SERICITE-QUARTZ SCHIST</b>	701051	18.2	18.8	63	0.43	3.28			
					FW to SKRN is pervasive siderite(?) replacement grading downhole into	701052	18.8	19.6	40	0.43	1.61			
					sericitised quartzose schist-likely a hornfelsed biotite or chlorite feldspathic	701053	19.6	20.6	<2	<0.01	0.07			
					schist;patchy FeOx envelopes from qz+ank+py vnlets within sericitised core;									
					18.4mm broken core with 1.5cm long piece of gal+sph									
					18.8m 7mm sph vnlet with galena rims;vnlet is 50 to CA									
					19m 2.5cm vuggy MnOx stained qz+ank vnlet with sph+gal									

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-06

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
20					<b>19.6-37.3 HORNFELED SERICITE-QUARTZ SCHIST</b>	<b>701054</b>	<b>20.6</b>	<b>21.6</b>	<2	<0.01	0.04
21					wk purplish hue + py indicates HFL;unit is cream & pale green soft clay						
22					altering feldspathic quartz schist;foliation parallel lamination/bedding;slippery	<b>701055</b>	<b>BLANK</b>				
23	CA	60	FOL		feel to fracture surfaces (talcose);narrow limonitic envelopes around qz+py		<b>QUARTZ MATERIAL</b>				
24					vnlets;5-7% py found within lamina and ribboned within cc+clay vnlets;short						
25					sections of silicification;vnlets become dolomitic & increase to cm scale by 21.6m;						
26	CA	45	VEN		26.45m 6cm solid white QV 45 to CA						
27	CA	60	VEN		26.8m 1.5cm solid white QV						
28					27.3-28.3m siliceous interbed						
29					35.9m spongy gouge band within parallel fractured zone 25 to CA						
30					36m magnetite within vnlet selvage;epidote appears as spots,patches & vnlets						
31											
32					<b>37.3-51.7 CALC-SILICATE</b>						
33					30cm pinkish brown garnet bed at start & garnet dominant after 41m;garnet+	<b>701056</b>	<b>37.3</b>	<b>38</b>	<2	<0.01	0.07
34					feldspar+epidote+calcite+hedenbergite/diopside beds <1m thickness;	<b>701057</b>	<b>38</b>	<b>38.7</b>	<2	<0.01	0.15
35					2% interstitial py;strongly developed MnOx on fracture surfaces due to selvages of						
36	CA	25	GOU		qz+cc vnlets subparallel to CA;hem+chl selvages also common to cc vnlets;	<b>701058</b>	<b>41.8</b>	<b>42.5</b>	<2	<0.01	<0.01
37					41.7-42.5m hem+cc distributed as patches & spots;py+trace cp in hem spots;						
38	CA	15	FRC		magnetite in selvages at 42.5m						
39					51-52m sub-cm qz+cc vnlets with black chl selvages						
40											
41											
42	CA	70	VEN								
43											
44											
45											
46											
47											
48											
49											
50											



**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-06

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
51	CA	50	FRC		<b>51.7-55.2 CALCAREOUS TALC/SERICITE SCHIST</b>	701059	53.7	54.3	15	0.02	0.05
52	CA	50	VEN		pale green calcareous talcose sericite schist with clay bands at 53.8, 53.9, 54.2 7 54.3m						
53					51.85m 20cm dolomitised envelope centred over a white clay vnlet zone 50 to CA;	701060	<b>STANDARD</b>				
54	CA	65	VEN		53.4-53.95m HW silicification from a shear zone hosting py fractured QV 65 to CA		<b>WCM PB120</b>				
55					54.3-54.8m pyrophyllite alteration with fine grained galena or graphite flecks;	701061	54.3	54.8	<2	<0.01	0.01
56	CA	15	VEN			701062	54.8	55.6	<2	<0.01	0.01
57											
58					<b>55.2-62.9 BIOTITE SCHIST-SERICITISED</b>	701063	55.6	56.2	<2	<0.01	0.03
59					transition into a less altered schist;cm scale qz+fel with ep+chl banding;dk greenish grey,						
60					fine grained,thinly laminated,well foliated bi+ser+qz+fel schist;sections with bi spotting						
61					as at end of hole SH07-05;						
62	CA	20	VEN		55.7-56.2m trace gal+py+cpy within a qz vnlet 15 to CA						
63					60.7-61m pyrophyllite altered from <b>GRDR</b> dyke						
64					61.6m 7cm <b>GRDR</b> dyke causing silicification;						
65					61.65m trace galena within 2cm qz+ank+py vnlet 20 to CA						
66											
67					<b>62.9-80 GRANODIOTITE</b>						
68					30cm pyrophyllite alteration at start obscures contact;pale grey to off-white bleached						
69					groundmass with dk mottling from fine grained biotite;strong sericite alteration with patchy						
70					silicified sections;pyrophyllite occurs immediately uphole of silicification;						
71					calcite microfracturing is common through interval;mm scale qz+cb vnlets are offset by later						
72					sub-cm scale qz vnlets						
73					hairline graphitic fracturing, core breaking along these fractures;						
74					1% diss py cube in groundmass & occasional ribboned vnlet						
75											
76											
77											
78											
79											
80											
EOH 80M					<b>NB</b> client chose not to conduct downhole surveys						



Drill Hole Geotechnical Log

CMC Metals Ltd

Drill Hole No: CMC DDH SH07-06

Logged by: S Bowie

Box No	From (m)	To (m)	Int (m)	Rec	Rec %	Breaks	Breaks/M	Sum >10cm	RQD %	Comments	Core Size
	0	3.5	3.5							Casing	
1	3.5	5	1.5	1.50	100	99	99	59	39		NQ2
1	5	8	3	2.90	97	99	99	98	33		NQ2
1/2	8	11	3	2.84	95	41	14	160	53		NQ2
2	11	14	3	2.94	98	30	10	182	61		NQ2
2/3	14	17	3	2.87	96	20	7	225	75		NQ2
3	17	20	3	2.86	95	99	99	51	17		NQ2
4	20	23	3	3.02	101	26	9	172	57		NQ2
4/5	23	26	3	3.00	100	38	13	97	32		NQ2
5	26	29	3	3.05	102	30	10	179	60		NQ2
5/6	29	32	3	2.97	99	31	10	151	50		NQ2
6	32	35	3	3.02	101	99	99	43	14		NQ2
6/7	35	38	3	3.02	101	99	99	110	37		NQ2
7	38	41	3	2.88	96	99	99	127	42		NQ2
7/8	41	44	3	3.00	100	26	9	162	54		NQ2
8	44	47	3	2.80	93	22	8	161	54		NQ2
8/9	47	50	3	3.01	100	19	6	200	67		NQ2
9	50	53	3	2.88	96	99	99	89	30		NQ2
10	53	56	3	3.00	100	99	99	88	29		NQ2
10/11	56	59	3	3.01	100	37	12	139	46		NQ2
11	59	62	3	3.01	100	15	5	212	71		NQ2
11/12	62	65	3	2.98	99	20	7	205	68		NQ2
12	65	68	3	2.97	99	34	11	133	44		NQ2
12/13	68	71	3	3.04	101	23	8	204	68		NQ2
13	71	74	3	3.00	100	20	7	214	71		NQ2
13/14	74	77	3	2.96	99	22	7	167	56		NQ2
14	77	80	3	2.70	90	23	9	186	62		NQ2

EOH

Total Metres 75.23

Total Recovery 98%

**CMC Metals Ltd.  
Drill Log**

Property: Silver Hart Claim: CMC27  
 Target: 100 ft grid south extension of galena pod in M zone; interpreted zone offset ~40ft left-lateral  
 Drill Hole: CMC SH07-07 Azimuth: 316 Inclination: -50 Length: 59m Hole Size: NQ2  
 NAD83 E: 404911 NAD83 N: 6689079 Local Grid E: 10700 Local Grid N: 11493 Elevation: 4985FT  
 Start Date: 26-Aug-07 End Date: 27-Aug-07 Drilled by: Bertram Drilling Company Logged by: Farrell Andersen  
 Survey Type: none Hole Survey 1: \_\_\_\_\_ Hole Survey 2: \_\_\_\_\_ Hole Survey 3: \_\_\_\_\_

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.								
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn			
					0-4 NO CORE-CASING									
4					4-11.7 SERICITE-QUARTZ SCHIST	701064	4	5	31	0.27	0.7			
					bluish to greenish grey colour;fine grained, sericite altering feldspathic									
5					schist-hornfelsed at one time;local garnet rich beds to 4cm thickness;	701065	BLANK							
					strongly fractured with MnOx coating first metre becoming cm scale patchy		QUARTZ MATERIAL							
6					Fe+Mn Ox envelopes down hole;3-5% py/po within lamina & disseminated;	701066	5	6	<2	<0.01	0.09			
					polished surfaces at 6.3m indicate movement along fractures	701067	6	7	22	0.25	0.62			
7					7.5-7.7m trace gal in vnlets	701068	7	8	<2	<0.01	0.07			
					8m rubbly zone with dry clay gouge	701069	8	9	<2	<0.01	0.05			
8					9-11m pervasive FeOx alteration from envelopes to a stockwork of qz+ank									
					vnlets with po+py within & along margins;~60cm core missing	701070	STANDARD							
9					11m 3cm gal band		WCM PB120							
					11.6m 5cm white calcite vnlet 60 to CA	701071	9	10	<2	<0.01	0.2			
10					RECOVERY 70172=60%	701072	10	11.1	146	2.64	1.45			
						701073	11.1	11.7	<2	<0.01	0.08			
11														
	CA	60	VEN		11.7-14.4 SKARN	701074	11.7	12.4	4	0.03	0.11			
12	CA	60	CON		upper contact is bedding parallel at 60 to CA;garnet+diopside/hedenbergite+									
	CA	60	VEN		epidote calc-silicate with gal+sph mineralised qz+ank+py vnlets from 12.4-	701075	BLANK							
13	CA	35	VEN		13.4m & 14-14.4m;yellow pea green envelopes extend into the HW & FW		QUARTZ MATERIAL							
					12.45m 7cm massive gal+sph band 60 to CA	701076	12.4	13.4	1000	7.64	4.78			
14	CA	35	VEN		12.75m 1.5cm gal+sph+cc vnlet 30 to CA	701077	13.4	14	3	<0.01	0.01			
					12.9m 1cm gal+sph+qz+ank vnlet 35 to CA									

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-07

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.								
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn			
					<b>11.7-14.4 SKARN</b>	<b>701078</b>	<b>14</b>	<b>14.4</b>	1650	11.17	4.46			
					13.05m 0.5cm gal+sph+qz+ank vnlet 40 to CA									
					13.3m 0.1cm cc+hem vnlet, unmineralised									
					14.1-14.25m massive galena+sphalerite banded 35 to CA									
					14.3-14.4m qz+ank+sph+gal & sph+gal vnlets to 1cm size									
					<b>RECOVERY 701074=85%, RECOVERY 701076=95%</b>									
					<b>RECOVERY 701077=100% , RECOVERY 701078=100%</b>									
					<b>RECOVERY 701079=100%</b>									
14					<b>14.4-46.4 CALC-SILICATE/SERICITE SCHIST INTERBEDDED</b>	<b>701079</b>	<b>14.4</b>	<b>15</b>	5	0.04	0.01			
15	CA	50	BED		It pink to brown garnet dominant calc-silicate interbedded with narrow									
16					sections of sericite altering schist;schist interbeds become more common	<b>701080</b>	<b>STANDARD</b>							
17					after 36m;hairline to cm scale qz+cc vnlets with black chlorite envelopes;		<b>WCM PB120</b>							
18					size of envelope is proportional to size of veinlet;	<b>701081</b>	<b>15</b>	<b>16</b>	16	0.2	0.02			
19	CA	50	CON		minor oxide staining of fracture surfaces;1% blebby py with hem rims									
20	CA	15	VEN		18.9-19.4m intensely fractured, slippery feeling talcose sericite/chlorite									
21					schist;slickenside surfaces indicate bedding plane movement;slicks are									
22	CA	40	GOU		75 to CA;strong FeOx stain on fracture surfaces;									
23					trace py in schists, none in <b>CSIL</b> until 32m									
24					19.4-21.8m <b>CSIL</b> bed with upper & lower 20cm wk oxidized & silicified by									
25					sub-cm qz+cc vnlets									
26					21.8-22m yellowish brown dry clay;contact 40 to CA;followed by wk									
27					oxidised schist to 22.5m	<b>701082</b>	<b>31.5</b>	<b>32.1</b>	<2	<0.01	<0.01			
28					29m very broken schist interbed	<b>701083</b>	<b>32.1</b>	<b>32.6</b>	<2	0.07	0.44			
29					32.3-32.5m two 1cm qz+ank vnlets with ribboned sph+isolated gal	<b>701084</b>	<b>32.6</b>	<b>34</b>	<2	<0.01	<0.01			
30					occurring within a schist interbed									
31					34.2m 5mm qz+ank vnlet with cm scale black chl selvage;ribboned sph+	<b>701085</b>	<b>BLANK</b>							
32	CA	35	VEN		isolated gal within schist interbed		<b>QUARTZ MATERIAL</b>							
33	CA	50	VEN		35.4m 3mm qz+cc vnlet with py/po only	<b>701086</b>	<b>34</b>	<b>34.4</b>	3	0.06	0.23			
34					35.8-36.05m silicified schist from stwk of qz+ank vnlets & 2.5cm massive	<b>701087</b>	<b>34.4</b>	<b>35.7</b>	<2	<0.01	<0.01			
35					gal+sph band 60 to CA									
36	CA	60	VEN											

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-07

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
36					<b>14.4-46.4 CALC-SILICATE</b>	701088	35.7	36	529	6.13	2.46
37					42.45-42.85m bleached pyritic zone in schist bed;bleaching from 3cm barren QV	701089	36	36.6	2	0.02	0.01
38					44-46.4m stwk of cc veinlets with black chlorite envelopes within garnet rich bed;						
39					3% blebby pyrrhotite;core grades into a wispy laminated chloritic	701090	STANDARD				
40					garnet+actinolite schist with 10% diss py;		WCM PB120				
41					44.5m 2cm massive calcite vnlet 85 to CA	701091	43.9	44.9	<2	0.03	0.03
42					46.15m 1cm massive py vnlet 35 to CA	701092	44.9	45.5	<2	<0.01	<0.01
43						701093	45.5	46.5	<2	<0.01	0.01
44	CA	85	VEN								
45					<b>46.4-54.2 BIOTITE SCHIST</b>	701094	48.8	49.5	3	0.02	0.07
46	CA	35	VEN		wavy laminated bi+qz+fel schist;tiger-striped appearance from lensy bi lamina;						
47					3% py/po rimming and replacing biotite;epidote substitutes for py down hole nearing	701095	BLANK				
48					contact with <b>GRDR</b>		QUARTZ MATERIAL				
49	CA	80	VEN		qz+ank vnlets cause sericite/bleached sections of core to 30cm thickness;	701096	49.5	50.5	2	0.02	0.09
50	CA	75	VEN		49.2m 2cm ribboned sph+gal in qz+ank vnlet 80 to CA	701097	50.5	51.1	<2	<0.01	0.01
51	CA	80	VEN		50.3m 1cm ribboned sph+gal in qz+ank vnlet 75 to CA						
52					50.75m 3cm translucent QV with py in fractures; QV is 80 to CA						
53					52.4m 1.5cm qz+cc vnlet with py blebs						
54	CA	50	CON								
55	CA	60	CON		<b>54.2-55.2 GRANODIORITE</b>						
56					pale grey, fine grained equigranular, bleached (no mafics) <b>GRDR</b> with 3% diss						
57					cubic py;upper contact planar at 50 to CA;lower contact undulating, 50 to 70 to CA						
58											
59					<b>55.2-59 SERICITE-QUARTZ SCHIST</b>						
					first 80cm silicified by translucent qz vnlets;3% stretched py blebs;	701098	56	57	<2	<0.01	<0.01
<b>EOH 59M</b>					56-57.1m bleached interval from qz+cc vnlets with py+po						
					57.8-59m calcite filled fracturing common within a strongly sericite altered matrix;	701099	58	59	<2	<0.01	<0.01
					possible galena specks on margin of dolomitic vnlet subparallel to CA at 58.3m						
						701100	STANDARD				
					<b>NB</b> Client chose not to conduct downhole surveys		WCM PB120				



**Drill Hole Geotechnical Log**

**CMC Metals Ltd**

**Drill Hole No: CMC DDH SH07-07**

**Logged by: K Andersen/S Bowie**

Box No	From (m)	To (m)	Int (m)	Rec	Rec %	Breaks	Breaks/M	Sum >10cm	RQD %	Comments	Core Size
	0	4								Casing	
1	4	5	1	0.59	59	99	99	0	0		NQ2
1	5	8	3	2.53	84	99	99	43	14		NQ2
1/2	8	11	3	2.34	78	99	99	81	27		NQ2
2	11	14	3	2.86	95	99	99	116	39		NQ2
2/3	14	17	3	2.83	94	99	99	124	41		NQ2
3	17	20	3	2.90	97	99	99	84	28		NQ2
3/4	20	23	3	2.55	85	99	99	88	29		NQ2
4/5	23	26	3	2.99	100	99	99	199	66		NQ2
5	26	29	3	2.85	95	99	99	147	49		NQ2
5/6	29	32	3	3.00	100	99	99	116	39		NQ2
6	32	35	3	3.02	101	31	10	138	46		NQ2
6/7	35	38	3	3.02	101	99	99	155	52		NQ2
7	38	41	3	2.96	99	28	9	150	50		NQ2
7/8	41	44	3	2.98	99	24	8	205	68		NQ2
8	44	47	3	2.99	100	25	8	224	75		NQ2
8/9	47	50	3	2.76	92	99	99	181	60		NQ2
9	50	53	3	2.82	94	99	99	136	45		NQ2
9/10	53	56	3	3.02	101	99	99	175	58		NQ2
10	56	59	3	2.98	99	30	10	198	66		NQ2

**EOH**

**Total Metres 51.99**  
**Total Recovery 95%**



**CMC Metals Ltd.  
Drill Log**

Property: Silver Hart

Claim: CMC27

Target: 100 ft grid north extension of galena pod in M zone

Drill Hole: CMC SH07-08 Azimuth: 316 Inclination: -50 Length: 59.6m Hole Size: NQ2

NAD83 E: 404965 NAD83 N: 6689116 Local Grid E: 10750 Local Grid N: 11700 Elevation: 4990FT

Start Date: 29-Aug-07 End Date: 30-Aug-07 Drilled by: Bertram Drilling Company Logged by: Farrell Andersen

Survey Type: none Hole Survey 1: \_\_\_\_\_ Hole Survey 2: \_\_\_\_\_ Hole Survey 3: \_\_\_\_\_

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
					0-3 NO CORE-CASING	701101	6.5	7	<2	<0.01	0.03
					3-3.5 OVERBURDEN	701102	7	8.2	<2	<0.01	0.01
						701103	8.2	9.2	<2	<0.01	0.02
3					3.5-18.3 BIOTITE-QUARTZ SCHIST	701104	9.2	9.8	<2	<0.01	0.12
4					pale to med green sericitised & chloritised, finely laminated schist with						
5					some remnant tiger-striped bi-schist;short garnet rich calc-silicate interbeds	701105	BLANK		<2	<0.01	<0.01
6					cm scale dk red-brown FeOx envelopes along cc+qz vnlets;up to 5% py/po		QUARTZ MATERIAL				
7					scattered throughout unit;bleached sections of core are due to qz+ank	701106	9.8	10.8	<2	<0.01	0.01
8					vnlets with trace gal+sph-up to 2% from 16.5-17.5m;opaque white qz knots	701107	10.8	11.6	<2	<0.01	<0.01
9					from 12.5-14.1m;po filled gash at 8.75m	701108	11.6	12.3	4	0.05	0.06
10					dk brown to black Fe+Mn Ox+qz+sph? vnlets at 12.45, 13.5, 13.86 & 13.96m;	701109	12.3	13.3	11	0.11	0.24
11					9.4m 25cm section of pervasive FeOx resulting from hairline py fracturing						
12					11.85m 2cm sph+gal vnlet	701110	STANDARD		18	1.35	2.78
13	CA	55	VEN		12.3-14.1m sericite rich bleached section with network po lattice		WCM PB120				
14	CA	35	VEN		fracturing;gal+sph at margins of cc+ank vnlets	701111	13.3	14.1	52	0.84	2.12
15	CA	50	VEN		13.5-13.8m pervasive ankerite replacement	701112	14.1	15.2	<2	<0.01	0.02
16	CA	80	VEN		13.7m 2.5cm vuggy qz+sph+gal banded vnlet 55 to CA	701113	15.2	16	22	0.18	0.53
17					14.1-15.2m calc-silicate bed	701114	16	16.7	12	0.04	0.08
18					15.75m 2cm grey qz+ank vnlet with gal+sph blebs 50 to CA						
					15.8m 5mm qz+ank vnlet with gal+sph;35 to CA & 90 degree trend to vnlet	701115	BLANK		<2	<0.01	<0.01
					at 15.75m		QUARTZ MATERIAL				
					16.5m 3cm vuggy qz+ank+gal+sph vnlet 80 to CA	701116	16.7	17.5	37	0.17	0.25
						701117	17.5	18.3	2	<0.01	0.07

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-08

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
18					<b>18.3-21.2 MINERALISED ZONE</b>	701118	18.3	19.1	11	0.19	0.52
	CA	70	BAN		gal+sph banding begins with Mn band at 18.3m;strongly sericitised,	701119	19.1	20	18	0.34	1.8
19					moderately silicified schist with mm scale gal+sph+ank(calcite) vnlets;						
					massive to semi-massive sph+gal bands throughout interval;qz+ank	701120	STANDARD		20	1.42	2.8
20					networked vnlets with ribboned sph+blebby gal giving pseudo-breccia		WCM PB120				
					appearance to core;	701121	20	20.6	152	1.75	8.67
21					20.4m 3cm sph+gal+qz band 70 to CA	701122	20.6	21.2	97	3.2	2.06
22					<b>21.2-26.5 SKARN</b>	701123	21.2	21.8	<2	0.03	0.1
					tan to pinkish brown garnet rich calc-silicate with chlorite laminations to 22m;						
23					actinolite/chlorite & lensy opaque calcite fracturing;occasional opaque qz	701124	24.5	25.1	2	0.06	0.05
	CA	30	FRC		vnlet;blood red hem on fracture surfaces;hem+chl selvages on mm scale						
24					calcite vnlets;trace py lensing;	701125	BLANK		<2	<0.01	<0.01
					23-24.5m pinch & swell white calcite +py filled fracture 5 to CA with		QUARTZ MATERIAL				
25					slickensides at 30 to CA	701126	25.1	25.7	2055	40.98	8.57
					24-24.4m siliceous interbed	701127	25.7	26.45	6	0.06	0.06
26					25.2-25.6m intermixed 35cm section of massive gal+sph with minor						
					calc-silicate wallrock;banding is 15 to CA-true width is only 5cm;hairline						
27	CA	75	CON		calcite vnlets with chl envelopes extend 20cm into wallrock following sulfide						
					section;						
28					25.6-26.5m cc+hem vnlets with chl envelopes common						
29					<b>26.5-42.5 DOLOMITE(SILICIFIED)</b>	701128	26.45	27.15	225	0.6	10.34
					contact 75 to CA,displaced 1.5cm left-lateral by calcite filled fracture;fold	701129	27.15	27.85	33	0.83	10.49
30					noses in core indicate unit is folded and true width is ~7.5m;vuggy						
					dolomite with drusy qz+cc+sph+gal & possibly axinite infill;high % gal+sph	701130	STANDARD		22	1.38	2.84
31					disseminated throughout unit-found as grains, spots, blebs, bands veinlets &		WCM PB120				
					occasional fine grained crystalline quartz clusters with very fine grained	701131	27.85	28.6	21	0.52	4.79
					galena-remnant quartzose lamina?	701132	28.6	29.3	10	0.06	3.21
					lamina/bedding varies form 45 to 65 to CA;colloform qz+cc+siderite veining	701133	29.3	30.2	7	0.19	2.45
					suggests epithermal/Carlin-style mineralisation	701134	30.2	31.1	19	1.07	3.26

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-08

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
31					<b>26.5-42.5 DOLOMITE(SILICIFIED)</b>	701135	BLANK		<2	<0.01	0.01
32					26.5-27.75m 30% sph+gal		QUARTZ MATERIAL				
33	CA	50	BED		27.75-29.3m 5-15% sph+gal;variable amounts	701136	31.1	32	23	1.21	3.25
34					29.3-33.9m 15-25% sph+gal;steadily increasing	701137	32	33	57	2.81	4.54
35					33.9-34.45m 40% sph+gal as lenses	701138	33	33.85	14	0.58	2.56
36					34.45-36.35m 25-35% sph+gal;variable amounts	701139	33.85	34.5	61	2.6	14.94
37	CA	35	BAN		36.35-38.3m increased vugs,colloform banding & calcite veining;strongly silicified						
38					with 10% sph+gal;40cm translucent calcite vein within inetrval with dk brown	701140	STANDARD		20	1.4	2.89
39					Mn+Fe Ox+chlorite bands at each contact;contacts are 35 to CA;slicks on		WCM PB120				
40					upper contact show plunge of 85 to CA;	701141	34.5	35.5	19	1.34	2.4
41					38.3-39.7m Mn+Fe Ox cm scale veining forms X's;up to 10% sph+gal	701142	35.5	36.5	18	1.18	2.79
42					39.7-42.5m sph+gal steadily decreasing from 15% to 5% nearing contact;less than	701143	36.5	37.5	17	0.77	2.42
43					5% by 42m	701144	37.5	38.5	6	0.42	1.18
44											
45					<b>42.5-59.6m CALC-SILICATE</b>	701145	BLANK		<2	<0.01	0.02
46					garnet rich with ep+chl patches;qz+cb+ep vnlets with chl envelopes+occasional		QUARTZ MATERIAL				
47					hem selvages;minor FeOx on some fracture surfaces;pale tan patchy sections may	701146	38.5	39.4	3	0.23	0.73
48					be albitisation; FeOx blebs (py?) & calcite fracturing increases after 55m	701147	39.4	40.4	7	0.32	2.54
49					54.1m 2cm qz+cc vnlet with magnetite selvage 60 to CA	701148	40.4	41.4	12	0.76	2.52
50					57.4-57.8m sub-cm opaque qz vnlets 50 to CA	701149	41.4	42.5	10	0.38	3.86
51					58.7-59.2m patchy pale green silicification						
52						701150	STANDARD		19	1.4	2.69
53							WCM PB120				
54	CA	60	VEN			701151	42.5	43.2	<2	0.02	0.05
55											
56											
57	CA	50	VEN								
58											
59					<b>NB</b> bit needs changing;end hole at 59.6m						
<b>EOH 59.6M</b>					<b>NB</b> Client chose not to conduct downhole surveys						



**Drill Hole Geotechnical Log**

**CMC Metals Ltd**

**Drill Hole No: CMC DDH SH07-08**

**Logged by: K Andersen**

Box No	From (m)	To (m)	Int (m)	Rec	Rec %	Breaks	Breaks/M	Sum >10cm	RQD %	Comments	Core Size
	0	3								Casing	
1	3	5	2	1.39	70	99	99	16	8		NQ2
1	5	8	3	2.77	92	99	99	83	28		NQ2
1/2	8	11	3	2.81	94	99	99	147	49		NQ2
2	11	14	3	2.90	97	33	11	142	47		NQ2
2/3	14	17	3	2.90	97	99	99	170	57		NQ2
3/4	17	20	3	2.79	93	99	99	64	21		NQ2
4	20	23	3	2.89	96	99	99	90	30		NQ2
4/5	23	26	3	2.90	97	99	99	92	31		NQ2
5	26	29	3	2.91	97	99	99	175	58		NQ2
5/6	29	32	3	3.04	101	99	99	217	72		NQ2
6	32	35	3	2.80	93	99	99	143	48		NQ2
6/7	35	38	3	3.01	100	99	99	205	68		NQ2
7	38	41	3	2.84	95	99	99	155	52		NQ2
7/8	41	44	3	2.82	94	22	8	207	69		NQ2
8	44	47	3	3.02	101	99	99	219	73		NQ2
8/9	47	50	3	2.80	93	19	7	208	69		NQ2
9	50	53	3	3.00	100	28	9	148	49		NQ2
9/10	53	56	3	3.01	100	23	8	231	77		NQ2
10	56	59	3	2.77	92	99	99	141	47		NQ2
10/11	59	59.6	0.6	0.60	100	4	7	45	75		NQ2

**EOH**

**Total Metres 53.97**

**Total Recovery 95%**

**CMC Metals Ltd.  
Drill Log**

Property: Silver Hart

Claim: CMC29

Target: D zone MnOx gossan-interpreted 060 structure cutting limestone;solutions replacing a LST bed give an apparent 330 trend to the gossan

Drill Hole: CMC SH07-09 Azimuth: 152 Inclination: -47 Length: 50m Hole Size: NQ2

NAD83 E: 405155 NAD83 N: 6688934 Local Grid E: 11606 Local Grid N: 11725 Elevation: 4900ft

Start Date: 31-Aug-07 End Date: 02-Sep-07 Drilled by: Bertram Drilling Company Logged by: Farrell Andersen

Survey Type: none Hole Survey 1: \_\_\_\_\_ Hole Survey 2: \_\_\_\_\_ Hole Survey 3: \_\_\_\_\_

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.								
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn			
5					0-5 NO CORE-CASING									
6					5-10.7 LIMESTONE									
					med grey, fine grained, crystalline thinly bedded limestone with wkly silicified									
7					biotite+sericite+quartz schist interbeds; hairline FeOx+calcite fracturing;									
	CA	25	BED		dk brown oxide coated fracture surfaces; core is very broken from fracturing									
8					& drilling subparallel to bedding; bedding is 25 to CA; in outcrop is 350/54E;	701161	9.6	10.6	<2	<0.01	0.06			
					8.45m 2cm heavy brown oxide breccia; no contacts preserved;									
9					10m 6cm creamy white brecciated dolomite? vnlet 20 to CA									
					10.5m on is very broken, vuggy qz+cc veined LMST									
10	CA	20	VEN											
					10.7-16.1 CALC-SILICATE	701152	10.6	11.6	10	<0.01	0.17			
11					very fractured; wk oxidised calc-silicate with strong black & dk brown oxide	701153	11.6	12.6	6	<0.01	0.24			
					coating on fractures; garnet rich CSIL visible in some fragments; generally a	701154	12.6	13.6	5	<0.01	0.4			
12					fine grained massive sedimentary unit;									
					blebby hem+cc & MnOx spotting; MnOx+calcite fracture filling;	701155	BLANK		<2	<0.01	<0.01			
13					some fracture surfaces show evidence of movement but are not polished		QUARTZ MATERIAL							
						701156	13.6	14.6	<2	<0.01	0.25			
14					16.1-17.2 LIMESTONE	701157	14.6	15.6	<2	<0.01	0.1			
					as previously described;	701158	15.6	16.6	<2	<0.01	0.13			
15					16.6m 2cm brecciated calcite vnlet 20 to CA	701159	16.6	17.2	3	<0.01	0.1			
					RECOVERY 701159=100%									
16						701160	STANDARD		19	1.33	2.88			
	CA	20	VEN		NB hole sloughing & no circulation 9-14m; hole reamed to 14m & cased off		WCM PB120							

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-09

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
17	CA	55	CON		<b>17.2-23.1 BRECCIA &amp; FAULT ZONE</b>	701162	17.2	18.2	15	0.41	2.65
					contacts ~55 to CA;approx 1.2m of core missing from 17-19m;	701163	18.2	19.2	65	0.86	3.56
18					pervasive oxidised & clay altered interval of mineralised FeOx cemented breccia clasts;oxide banding is 55 to CA;	701164	19.2	20.2	72	0.83	2.86
19					17.2-20m pervasively Mn+Fe Ox clasts cemented by dk to med brown oxide & galena;2-3% galena as diss blebs & irregular vnlets & matrix fill	701165	BLANK		<2	<0.01	0.02
							QUARTZ MATERIAL				
21					20-20.8m pervasive yellow-brown powdery clay altered-likely a sericite schist interbed	701166	20.2	21.2	43	0.67	2.34
	CA	20	BED			701167	21.2	22.2	50	0.27	3.47
22					20.8-21.8m pervasive MnOx altered, thinly laminated rock;lamination 20 to CA;1-2% galena present as lenses & irregular vnlets;	701168	22.2	23.2	13	0.52	18
23					21.8-23.1m dk choc brown gooey clay with brilliant white soapy clay from 22.5-23m-makes core look like crushed OREO cookies;trace galena as isolated cubes;						
	CA	45	BED								
24					<b>RECOVERY 701162=50%; RECOVERY 701163=30%;</b>						
25											
					<b>23.1-26 SERICITE SCHIST</b>	701169	23.2	24.2	3	0.01	1.85
26	CA	25	BED		variably oxidised-mod to wk,dominantly along fractures;thinly laminated 45 to CA;intensely broken sericite altered feldspathic schist;minor intervals of heavy pinkish brown fragments indicate calc-silicate interbeds;	701170	STANDARD		19	1.33	2.91
27					lamination becomes 25 to CA down hole		WCM PB120				
						701171	24.2	25.2	3	0.02	0.7
28	CA	60	VEN			701172	25.2	26	3	<0.01	0.44
					<b>26-29.5 CALC-SILICATE</b>	701173	26	27	3	<0.01	0.35
29					upper 1.3m fractured, becoming competent down hole;mottled to patchy pink & brown garnet with pale green fine grained lensing-diopside+	701174	27	28	<2	<0.01	0.12
	CA	45	CON								
30					sericite?;pervasive mm to sub-cm clear qz vnlets to 29m, ~60 to CA; trace fine grained cubic py along vnlet margins;trace diss galena in garnet rich beds;	701175	BLANK		<2	<0.01	<0.01
							QUARTZ MATERIAL				
31						701176	28	29	<2	<0.01	0.06
					<b>29.5-30.15 LIMESTONE</b>	701177	29	30	<2	<0.01	0.19
					fine grained crystalline thinly laminated 45 to CA;upper contact is 10cm of white & pale pink (rhodochrosite?) marble with MnOx & phlogopite spotting;	701178	30	31	9	<0.01	4.07

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-09

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
					<b>30.15-30.7 FAULT</b>	701179	31	32	<2	<0.01	0.06
					60cm of sticky dk choc brown clay;lower contact is broken & rubbly, intermixed	701180	STANDARD		20	1.34	2.94
					with calc-silicate;		WCM PB120				
30						701181	32	33	<2	<0.01	0.15
31					<b>30.7-32.4 CALC-SILICATE</b>	701182	33	34	<2	<0.01	0.28
32	CA	25	BED		pink to brown garnet rich with hairline to mm qz+cc stwk in last 40cm;gradational	701183	34	35	<2	<0.01	1.63
33					contact with <b>LMST</b> with coarse grained garnets in a limey matrix;	701184	35	36	<2	<0.01	0.04
34						701185	BLANK		<2	<0.01	<0.01
35					<b>32.4-34 LIMESTONE</b>		QUARTZ MATERIAL				
36	CA	70	VEN		upper 15cm coarse garnet bearing;bedding parallels contact of 25 to CA;lower	701186	36	37	<2	<0.01	<0.01
37	CA	65	VEN		contact broken by a 15cm dk green actinolite schist bed with 5% fine grained diss	701187	37	38	<2	<0.01	0.03
38					cubic py	701188	38	39	<2	<0.01	0.08
39						701189	39	40	<2	<0.01	0.11
40					<b>34-42.6 CALC-SILICATE</b>	701190	STANDARD		20	1.36	2.9
41					unknown whether 15cm act shcist bed belongs to <b>CSIL</b> ;pale brown garnet rich		WCM PB120				
42	CA	50	VEN		with repeating sub-cm opaque but colourless qz vnlets 65-70 to CA;ribboned	701191	40	41	<2	<0.01	0.02
43	CA	15	CON		sph+minor galena within qz vnlet near contact;trace to 1% diss galena scattered	701192	41	42	<2	<0.01	0.01
44					through garnet rich core;short section around 36.5m with 2%;1% blebby py;	701193	42	43	<2	<0.01	0.02
45	CA	15	BED		38.15m 2cm Fe/MnOx band enclosing a 3cm opaque qz vnlet	701194	43	44	<2	<0.01	0.02
46					39.1m 1cm white clay band 55 to CA						
47					42.4m vuggy 4mm qz vnlet 50 to CA	701195	BLANK		<2	<0.01	<0.01
48	CA	40	VEN				QUARTZ MATERIAL				
49					<b>42.6-50 BIOTITE QUARTZ SCHIST</b>	701196	44	45	<2	<0.01	<0.01
50	CA	15	BED		contact 15 to CA;tiger striped bi+qz+fel schist; upper 15cm bleached & sericitised;	701197	45	46	<2	<0.01	0.02
					lamination parallel bedding 15 to CA;1-2% py & minor po along foliation;minor FeOx	701198	46	47	<2	<0.01	<0.01
					at upper contact & 45.2-45.7m due to qz+ank vnlets;sericite alteration increasing	701199	47	48	<2	<0.01	0.01
					down hole-becoming sericite schist by 48m;pink clay filled fracturing in last 30cm;	701200	STANDARD		19	1.37	2.92
					48.3m 4mm qz+ank vnlet 40 to CA		WCM PB120				
					49.3m 2cm vuggy qz vnlet 40 to CA	701201	48	49	<2	<0.01	0.01
<b>EOH 50M</b>					<b>NB</b> Client chose not to conduct downhole surveys	701202	49	50	<2	<0.01	<0.01





**Drill Hole Geotechnical Log**

**CMC Metals Ltd**

**Drill Hole No: CMC DDH SH07-09**

**Logged by: S. Bowie**

Box No	From (m)	To (m)	Int (m)	Rec	Rec %	Breaks	Breaks/M	Sum >10cm	RQD %	Comments	Core Size
	0	5								Casing	
1	5	8	3	1.87	62	99	99	0	0		NQ2
1/2	8	11	3	2.45	82	99	99	90	30		NQ2
2	11	14	3	1.55	52	99	99	10	3		NQ2
2	14	17	3	2.05	68	99	99	27	9		NQ2
2/3	17	20	3	1.62	54	99	99	61	20		NQ2
3	20	23	3	2.37	79	99	99	10	3		NQ2
3/4	23	26	3	2.18	73	99	99	0	0		NQ2
4	26	29	3	2.65	88	99	99	110	37		NQ2
4/5	29	32	3	2.72	91	99	99	111	37		NQ2
5/6	32	35	3	2.73	91	99	99	111	37		NQ2
6	35	38	3	2.91	97	20	7	188	63		NQ2
6/7	38	41	3	2.70	90	99	99	165	55		NQ2
7	41	44	3	2.96	99	38	13	142	47		NQ2
7/8	44	47	3	2.90	97	28	10	154	51		NQ2
8	47	50	3	2.91	97	14	5	226	75		NQ2

EOH

Total Metres 36.57

Total Recovery 81%

**CMC Metals Ltd.  
Drill Log**

Property: Silver Hart Claim: CMC29  
 Target: D zone MnOx gossan-hole SH07-09 gossan faulted off;testing for location of fault & if gossan is related to a 330 trending structure  
 Drill Hole: CMC SH07-10 Azimuth: 240 Inclination: -47 Length: 59m Hole Size: NQ2  
 NAD83 E: 405196 NAD83 N: 6688932 Local Grid E: \_\_\_\_\_ Local Grid N: \_\_\_\_\_ Elevation: 4895ft  
 Start Date: 04-Sep-07 End Date: 05-Sep-07 Drilled by: Bertram Drilling Company Logged by: Farrell Andersen  
 Survey Type: none Hole Survey 1: \_\_\_\_\_ Hole Survey 2: \_\_\_\_\_ Hole Survey 3: \_\_\_\_\_

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.								
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn			
					0-4 NO CORE-CASING									
					<b>4-13.3 LIMESTONE</b>									
4					med grey, fine grained, micritic, thinly laminated & thinly bedded limestone;									
5					occasional pale orange brown oxidised lamina; narrow clay zones parallel									
6	CA	70	BED		bedding; coarse garnet+feldspar bed from 9.6-10.3m; bedding 70 to CA;									
7					trace very fine grained cubic py within LMST									
8														
9					<b>13.3-14.9 CALC-SILICATE</b>									
10					pink/white/grey/green banded calc-silicate with 15cm LMST interbed									
11					showing fold vergence; banding 80 to CA									
12					14.1m pegmatitic calcite vein 55 to CA									
13	CA	80	BAN											
14	CA	55	VEN		<b>14.9-15.6 LIMESTONE</b>									
15	CA	70	BED		LMST bed with 10cm pink garnet interbed; bedding 70 to CA									
16														
17	CA	50	VEN		<b>15.6-16.95 CALC-SILICATE</b>									
18	CA	80	BED		massive pink/brown/green mottled core; narrow qz+cc+MnOx vnlets;	701203	16	16.6	<2	<0.01	0.04			
					16.2-16.4m wk silicification & MnOx spotting									
					16.95m pegmatitic calcite vein 50 to CA									
					<b>16.95-17.8 LIMESTONE</b>									
					mm scale wavy clay+calcite fractures cut lamination; core breaks along									
					planar mm scale white calcite healed fractures; bedding 80 to CA									

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-10

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.								
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn			
18					<b>17.8-21.2 CALC-SILICATE</b>									
					pinkish brown to buff colour; garnet+feldspar rich calc-silicate; upper 5cm at									
19					contact is sticky, pale tan clay; mod to strong stockwork of sub-cm to cm									
					scale dk grey & white to translucent calcite vnlets; short intervals of coarse									
20					garnet clast supported core with dk brown to black Mn+silica matrix infill;									
					20.8-21.2m pegmatitic translucent calcite vein; appears black & glassy due									
21					to MnOx envelope;									
22					<b>21.2-23.8 LIMESTONE</b>									
					orange brown oxidised fracturing becoming common;									
23					22-22.1m pygmatic folded oxidised <b>LMST</b> bed									
					22.6-23.5m broken core from fracturing at low angles to CA									
24					23.6-23.8m coarse grained garnet+wollastonite bed									
25	CA	60	BED		<b>23.8-24.7 CHLORITE/SERICITE SCHIST</b>									
					pale green sericite altered feldspathic laminated schist; 15-20% shiny dk									
26					brown biotite forming wispy lenses; occasional po replacement of biotite;									
					some pinkish brown garnet within bed; qz knots & clots present; last 7cm is									
27					yellow stained, leached, possibly argillic altered; sulfide has									
					oxidised to dk brown red FeOx									
28	CA	50	VEN											
29					<b>24.7-32.6 LIMESTONE</b>									
					upper 15cm is garnet bearing; calcite+oxidised py fracturing, often causing									
					rusty staining of some beds; clay altered fracturing becoming intense from									
30					26.7-28m, terminating at a coarse grained calcite vein 50 to CA; 3mm MnOx									
					band at contact;									
31					~40cm lost in 27-28m interval; rubbly clay material									
					28.65-29.05m coarse grained calcite veining									
32					29.15-29.3m very fractured & clay altered bed-red oxide & Mn layering									
					from 29.2-29.4m									
33					30.3-31.3m very broken & rubbly, gritty <b>LMST</b> material									

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-10

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
32					<b>32.6-35.1 BIOTITE SCHIST</b>	701204	32.9	33.9	<2	<0.01	0.03
					pervasively oxidised biotite lamina with clay altered feldspathic layers; garnet banding						
33					in upper 50cm; oxidation causes mottled appearance when calc-silicate banding	701205	BLANK		<2	<0.01	<0.01
					occurs; unit becomes garnet rich in last 35 cm; some fracture surfaces show slip		QUARTZ MATERIAL				
34					parallel to lamination (dip-slip);						
	CA	20	VEN		34.4m 2cm coarse grained calcite vnlet 20 to CA	701206	33.9	34.9	<2	<0.01	0.16
35						701207	34.9	35.7	<2	<0.01	0.05
					<b>35.1-36.7 LIMESTONE</b>	701208	35.7	36.7	<2	<0.01	0.13
36					hairline low-angle to CA fracturing starts at 35.95m; calc-silicate interbeds						
					from 35.3-35.6m & 36.4-36.7m						
37											
					<b>36.7-38.7 CALC-SILICATE</b>	701209	36.7	37.4	12	<0.01	1.94
38					vuggy calcite veined & intense orange brown FeOx to 37.35m; no sulfides noted;						
	CA	20	VEN		15cm actinolite schist bed, <2% diss py; very broken, but apparent contact ~30 to CA	701210	STANDARD		158	2.17	4.56
39					37.5-38m very broken with rubbly dk brown material		WCM PB121				
	CA	70	BED		38-38.7m fractured but competent garnet rich with narrow qz vnlets 20 to CA	701211	37.4	38	42	0.05	0.99
40											
					<b>38.7-42.7 BIOTITE SCHIST</b>						
41	CA	50	VEN		biotite schist to 40.8m then alternating beds of garnet rich CSIL & SCHK;						
					lamination & bedding is consistently 65 to 75 to CA; FeOx is common on fracture						
42					surfaces; MnOx on surfaces from 36.7-39.3m; FeOx lamina & fracturing of schist						
	CA	50	VEN		from 38.7-39.6m, 40.4-40.55m, & 42.4-42.65m;						
43					41.2m 4mm qz+cc vnlet 50 to CA						
					42.7m vuggy qz+cc vnlet with speck of gal; vnlet is 50 to CA						
44											
					<b>42.7-44.4 CALC-SILICATE</b>						
45					pale pink to brown fine grained garnet dominant calc-silicate; mm calcite fractures &						
					veinlets; Mn spotting and lensing starts at 43.8m at contact with a schist interbed						

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-10

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.					
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn
45					<b>44.4-46.4 FAULT ZONE</b>	<b>701212</b>	<b>45.7</b>	<b>46.5</b>	<b>2</b>	<b>&lt;0.01</b>	<b>1.2</b>
					dk chocolate brown sandy to clay rich rubbly material with fragments of pinkish						
46					brown garnet rich calc-silicate;missing~70cm within the 44-47m interval;all contacts						
					are broken and indetermineable;						
47					45.4-46.4m 20-30cm dk brown clay with FeOx streaking encloses a 40cm intensely						
	<b>CA</b>	<b>55</b>	<b>VEN</b>		fractured calc-silicate bed;fractures in <b>CSIL</b> are filled with sticky dk brown clay;						
48					<b>RECOVERY 701212=100%</b>						
49					<b>46.4-50.5 CALC-SILICATE</b>						
					garnet dominant;alternating with10-30cm sericitic biotite & chlorite schist beds;minor						
50					po in schists;upper 40cm of <b>CSIL</b> is banded coarse garnet with black Mn+silica matrix						
					fill;mm calcite vnlets common within garnet beds;megacrystic zoned garnets in last						
51	<b>CA</b>	<b>55</b>	<b>BED</b>		50cm, along with black matrix fill (chl+Mn+qz);						
					47.7m coarse grained calcite vnlet 55 to CA						
52											
					<b>50.5-52.2 BIOTITE SCHIST</b>	<b>701213</b>	<b>51.4</b>	<b>52.2</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>0.04</b>
53					black+green+brownish pink lensy schist;moderately siliceous;feldspars are pale						
	<b>CA</b>	<b>60</b>	<b>BED</b>		green & weakly clay altered;2% po interstitial to biotite-possibly rims;trace to 1%						
54					needle appearing metallic dk blue mineralisation-graphite? Sample collected from						
	<b>CA</b>	<b>20</b>	<b>VEN</b>		richest endowed section 51.4-52.2m;lamination is parallel bedding at 55 to CA;						
55					weak FeOx on some fractures & on lamina						
56					<b>52.2-55.9 CALC-SILICATE</b>						
					pale brown to pinkish garnet rich calc-silicate with MnOx matrix fill from 52.8-52.9m;						
57					coarse grained garnet+wollastonite+quartz filled matrix from 53-53.2m;lamination &						
					bedding is 60 to CA;hairline calcite fracturing & localised qz vnlets <5mm wide,all						
58					~ 20 to CA;						
59					<b>55.9-59 SCHIST/CALC-SILICATE</b>						
					interbedded;1.4m core loss in 56-59m interval;40cm of greenish brown clay (schist) &						
					pinkish brown rubbly clay (calc-silicate) near EOH;calcite vnlet 20 to CA at 54.6m						
<b>EOH 59M</b>					<b>NB</b> Client chose not to conduct downhole surveys						



**Drill Hole Geotechnical Log**

**CMC Metals Ltd**

**Drill Hole No: CMC DDH SH07-10**

**Logged by: S Bowie**

Box No	From (m)	To (m)	Int (m)	Rec	Rec %	Breaks	Breaks/M	Sum >10cm	RQD %	Comments	Core Size
	0	4								Casing	
1	4	5	1	0.65	65	17	99	11	11		NQ2
1	5	8	3	2.80	93	99	99	78	26		NQ2
1/2	8	11	3	2.82	94	99	99	70	23		NQ2
2	11	14	3	2.77	92	99	99	90	30		NQ2
2/3	14	17	3	2.85	95	38	13	115	38		NQ2
3	17	20	3	2.78	93	99	99	111	37		NQ2
3/4	20	23	3	2.92	97	99	99	108	36		NQ2
4/5	23	26	3	2.80	93	99	99	138	46		NQ2
5	26	29	3	2.63	88	99	99	62	21		NQ2
5/6	29	32	3	2.56	85	99	99	10	3		NQ2
6	32	35	3	2.74	91	99	99	68	23		NQ2
6/7	35	38	3	2.90	97	99	99	92	31		NQ2
7	38	41	3	2.94	98	99	99	139	46		NQ2
7/8	41	44	3	2.78	93	99	99	141	47		NQ2
8	44	47	3	1.80	60	99	99	36	12		NQ2
8/9	47	50	3	2.85	95	99	99	194	65		NQ2
9	50	53	3	2.80	93	30	11	161	54		NQ2
9/10	53	56	3	2.42	81	99	99	88	29		NQ2
10	56	59	3	1.48	49	99	99	48	16		NQ2

EOH

Total Metres 48.29

Total Recovery 88%



**CMC Metals Ltd.  
Drill Log**

Property: Silver Hart Claim: CMC29  
 Target: J Zone (new zone) gossan with galena+sphalerite within a fault hosted quartz+calcite vein trending 240/73N  
 Drill Hole: CMC SH07-11 Azimuth: 316 Inclination: -47 Length: 70m Hole Size: NQ2  
 NAD83 E: 405209 NAD83 N: 6689022 Local Grid E: 11540 Local Grid N: 12055 Elevation: 4895ft  
 Start Date: 06-Sep-07 End Date: 08-Sep-07 Drilled by: Bertram Drilling Company Logged by: Farrell Andersen  
 Survey Type: none Hole Survey 1: \_\_\_\_\_ Hole Survey 2: \_\_\_\_\_ Hole Survey 3: \_\_\_\_\_

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.								
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn			
3					0-3 NO CORE-CASING									
4					3-4.6 <b>CALC-SILICATE</b>									
	CA	20	FOL		coarse grained pink garnet & fine grained sugary white quartz+feldspar,									
5	CA	45	CON		becomes massive pink garnet at lower contact;lamina parallels foliation 20 to CA									
6					4.6-9.3 <b>ARGILLITE (HORNFELS)</b>									
					contact 45 to CA;upper 50cm patchy pale green silicification;massive very fine									
7					grained dk brown biotite rich grey rock-possibly argillite;5% pale grey to									
					off-white spotting;lower contact 40 to CA with pale greenish cream silicification;									
8					2% fine grained diss py+po & minor FeOx coating on fractures									
9	CA	40	CON		9.3-14.2 <b>CALC-SILICATE</b>	701214	12	12.7	<2	<0.01	0.29			
					thin beds of layered pink garnet & brown garnet with sugary white qz+fel;									
10					foliation 5 to CA-drilling along strike of bedding;	701215	BLANK		<2	<0.01	<0.01			
	CA	5	FOL		9.35m 2cm clay altered pink & white filled fracture trending in & out of core		QUARTZ MATERIAL							
11					11.5-13.3m pale pinkish brown garnet banding;3% interstitial sphalerite	701216	12.7	13.3	<2	<0.01	3.81			
					from 12.7-13.3m within the qz+fel layers	701217	13.3	14.2	<2	<0.01	0.18			
12														
					14.2-14.7 <b>ARGILLITE (HORNFELS)</b>	701218	14.2	14.7	3	0.12	0.5			
13					greenish grey sericite altered quartz+feldspar fine grained unit;upper contact 35									
					to CA,lower contact showing slickenside fracture ~80 to CA;cm scale Fe+Mn Ox									
14	CA	35	CON		envelope around mm qz vnlet 40 to CA;minor diss sph+gal in vnlet									
	CA	40	VEN		NB Drilling along bedding means sample widths are greatly exaggerated									

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-11

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.						
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn	
					<b>14.7-22.2 CALC-SILICATE</b>	<b>701219</b>	<b>14.7</b>	<b>15.4</b>	<b>&lt;2</b>	<b>0.02</b>	<b>0.12</b>	
15					coarse pink garnet layering to 15.7m then fine grained green garnet or							
16					diopside interlaminated with white quartz+feldspar+calcite;mm scale grey	<b>701220</b>	<b>STANDARD</b>		<b>166</b>	<b>2.14</b>	<b>4.53</b>	
17					translucent qz vnlets cut foliation/layering;trace fine grained py		<b>WCM PB121</b>					
18	<b>CA</b>	<b>45</b>	<b>VEN</b>		16-16.8m mm scale MnOx+rhodochrosite/pink calcite lamina	<b>701221</b>	<b>15.4</b>	<b>16.4</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>1.87</b>	
19					16.4-18m trace gal+sph near margins of pink garnet lamina;trace graphite	<b>701222</b>	<b>16.4</b>	<b>17.4</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>0.02</b>	
20	<b>CA</b>	<b>50</b>	<b>VEN</b>		also noted in unit & possibly confused with galena	<b>701223</b>	<b>17.4</b>	<b>18.4</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>0.04</b>	
21	<b>CA</b>	<b>40</b>	<b>VEN</b>		17.8m vuggy calcite vnlet with trace sphalerite	<b>701224</b>	<b>18.4</b>	<b>19.4</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>0.02</b>	
22					19.4m vuggy calcite vnlet with blebby sphalerite							
23					19.2-19.6 m contact between fine grained & coarse grained garnet beds	<b>701225</b>	<b>BLANK</b>		<b>&lt;2</b>	<b>&lt;0.01</b>	<b>&lt;0.01</b>	
24					20-20.6m micritic limestone bed grading into a garnet bearing off-white		<b>QUARTZ MATERIAL</b>					
25					<b>LMST</b> to 21.2m	<b>701226</b>	<b>19.4</b>	<b>20</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>0.41</b>	
26					20.3m 4mm qz+cc vnlet cutting <b>LMST</b> 50 to CA	<b>701227</b>	<b>20</b>	<b>21</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>0.48</b>	
27					21.6m 2cm med grained white calcite vnlet 40 to CA	<b>701228</b>	<b>21</b>	<b>22</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>0.02</b>	
28	<b>CA</b>	<b>30</b>	<b>VEN</b>		22.15m trace blebby sph & fine grained gal onmargin of clay lozenge near	<b>701229</b>	<b>22</b>	<b>22.5</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>0.01</b>	
29					contact with <b>SCHT</b>							
30	<b>CA</b>	<b>30</b>	<b>BED</b>			<b>701230</b>	<b>STANDARD</b>		<b>185</b>	<b>2.1</b>	<b>4.3</b>	
31					<b>22.2-28.8 BIOTITE SCHIST</b>		<b>WCM PB121</b>					
32					bronzy black biotite interlaminated with qz+fel;patchy pale green							
33					silicification;becomes pervasive silicification from 24-28.6m;blebby po+trace	<b>701231</b>	<b>22.5</b>	<b>23.5</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>0.01</b>	
34					cpy along foliae;occasional garnet bands to 3cm width;last 20cm of <b>SCHT</b> is							
35					strongly chloritised;vuggy qz+cc vnlets at 24.25, 24.75, 25.9, 28.3 7 28.6m;	<b>701232</b>	<b>26.5</b>	<b>27.1</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>&lt;0.01</b>	
36	<b>CA</b>	<b>60</b>	<b>BED</b>		trace very fine grained sph+gal within a boudined feldspathic layer at 27.3m	<b>701233</b>	<b>27.1</b>	<b>27.6</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>&lt;0.01</b>	
37						<b>701234</b>	<b>27.6</b>	<b>28.1</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>&lt;0.01</b>	
38					<b>28.8-37.8 CALC-SILICATE</b>							
					interbedded fine grained garnet+wollastonite & coarser grained garnet+	<b>701235</b>	<b>BLANK</b>		<b>&lt;2</b>	<b>&lt;0.01</b>	<b>&lt;0.01</b>	
					quartz+feldspar with narrow sericite altered schist interbeds;rare mm scale		<b>QUARTZ MATERIAL</b>					
					grey opaque qz vnlets & massive to vuggy calcite+clay vnlets, all ~ 30 to CA;	<b>701236</b>	<b>36.4</b>	<b>37</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>0.06</b>	
					bedding parallels foliation at 25 to 30 to CA;	<b>701237</b>	<b>37</b>	<b>37.8</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>0.03</b>	
					31.2m pink hard mineral with black spotting-rhodonite							
					35.8-37.8m calcite vnlets increase in amount & thickness to form							
					weak stockwork;MnOx speckles core;bedding becomes rhythmic & changes							
					to 60 to CA;intense clay alteration in last 50cm;trace blebby galena in last 20cm before contact							

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-11

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.								
	$\alpha$	$\beta$	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn			
					<b>37.8-51.1 BIOTITE SCHIST</b>	<b>701238</b>	<b>37.8</b>	<b>38.6</b>	<b>&lt;2</b>	<b>&lt;0.01</b>	<b>0.01</b>			
38					variably altered to sericite/chlorite/green clay;thinly laminated;patchy pale green	<b>701239</b>	<b>38.6</b>	<b>40</b>	<b>5</b>	<b>&lt;0.01</b>	<b>0.25</b>			
39					silicification often adjacent to bands of pinkish garnet;narrow calc-silicate interbeds;									
40	CA	40	VEN		foliation becomes shallower to CA downhole;fold hinges noted in core	<b>701240</b>	<b>STANDARD</b>		<b>175</b>	<b>2.15</b>	<b>4.57</b>			
41					<1% py, ~1% po throughout <b>SCHT</b>		<b>WCM PB121</b>							
42					38.7m 10cm sticky clay bed;~75cm core missing from 37-40m									
43					39.8m patchy po+py calcite vnlet 40 to CA									
44					40m calcite veinlet with trace cpy									
45					43.3m 2cm sticky clay bed									
46					46.85m 4cm po+py+cc vnlet with trace cpy rimming po;vnlet 40 to CA									
47	CA	40	VEN		47.6m 2cm opaque qz vnlet 60 to CA									
48					49.1-49.6m mm scale qz+cc vnlet stockwork;randomly oriented & spaced to 51.1m									
49					51m 6mm qz+cc vnlet 40 to CA with tan clay envelope									
50					<b>RECOVERY 701239=60%</b>									
51					<b>NB</b> trace sph+gal within hole;end sampling of trace amounts at 40m									
52	CA	30	BED											
53					<b>51.1-54.3 CALC-SILICATE</b>									
54	CA	65	FOL		upper contact broken;strongly clay altered bed from 51.8-52.4m;contact 30 to CA;									
55					pitted bed 52.4-53.2m;sub-cm calcite vnlets with pale grey clay selvages displaced by									
56					later qz+cc vnlets;no sulfide noted;narrow sericite schist bed with pervasive calcite vnlets									
57	CA	40	FOL		before contact with <b>LMST</b> at 54.3m									
58														
59					<b>54.3-55.9 LIMESTONE</b>									
60					pale grey crystalline limestone with sub-cm biotite schist & calc-silicate lamina 65 to CA									
					<b>55.9-59.5 CALC-SILICATE</b>									
					lamination changes to 40 to CA;pervasive sub-cm to cm calcite vnlets , some vuggy;	<b>701241</b>	<b>59</b>	<b>59.7</b>	<b>&lt;2</b>	<b>0.01</b>	<b>0.03</b>			
					alternating chlorite+garnet & garnet+quartz+feldspar beds;weak to moderate clay									
					alteration of feldspar rich beds;note that garnet is subordinate to qz+fel in this <b>CSIL</b>									

**CMC Metals Ltd.  
Drill Log**

DRILL HOLE: CMC SH07-11

LOGGED BY: F. Andersen

METRES	STRUCTURE			VISUAL LOG	DESCRIPTION	SAMPLE NO.								
	α	β	TYPE			SAMPLE NO.	FROM	TO	Ag	Pb	Zn			
					<b>59.5-70 CHLORITE SCHIST</b>									
60	CA	30	FOL		thinly laminated;chlorite+sericite altered layering;calcareous;fine grained diss galena	701242	59.7	60.2	81	5.71	1.97			
					at 59.7m, narrow sub-cm lenses of galena with finer grained sphalerite from	701243	60.2	61	20	0.19	0.23			
61					59.9-60.2m;sulfide content ~5% & cause of minor bleaching;diss gal+sph continues in	701244	61	62	<2	<0.01	0.01			
					amounts up to 1% to 61m then sulfide becomes pyrrhotite+minor chalcopyrite;									
62					po increases downhole to 2% as blebs & fine grained specks within calcite vnlets;	701245	BLANK		<2	<0.01	<0.01			
					foliation shallows from 30 to CA down to 5 to CA by end of hole;		QUARTZ MATERIAL							
63					66.9-67.5m 5% patchy po with minor cpy & trace sph	701246	66.9	67.5	<2	<0.01	<0.01			
64														
65														
66														
67														
68														
69														
	CA	5	FOL											
70														
<b>EOH 70M</b>					<b>NB</b> Client chose not to conduct downhole surveys									

**CMC Metals Ltd.  
Drill Log**

**DRILL HOLE: CMC SH07-11**

**LOGGED BY: F. Andersen**

METRES		LITHOLOGY	ALTERATION														MINERALISATION							HOW		
FROM	TO		WHAT	HOW	INTENSITY	SEC	CHL	SIL	LIM	MNO	PYY	PYO	MAG	CRB	HEM	CLA	SID	BIO	DOL	GAL	SPH	TET	CPY		PBO	ZNO
4.6	9.3	SCHT	HFL	PRV	S			X		X	X							X								
4.6	9.3	SCHT	SIL	PAT	M			X																		
9.3	13.3	CSIL	CLA	FRC											X				1	1					DIS	
14.2	14.7	SCHT	HFL	PRV	S	X		X									X		TR	TR					DIS	
14.7	22.2	CSIL	VEN		W			X					X		X				TR	TR					DIS	
22.2	28.8	SCHT	SIL	PAT	M		X	X			X		X						TR	TR					DIS	
28.8	37.8	CSIL	VEN					X					X													
37.3	37.8	CSIL	CLA	FRC	S										X				TR						DIS	
37.8	51.1	SCHT	CHL	PAT	W	X	X								X				TR	TR		TR			DIS	
37.8	51.1	SCHT	SIL	PAT				X																		
51.8	52.4	SCHT	CLA	PRV	S	X									X											
55.9	59.5	CSIL	VEN	STK	S								X		X											
59.5	70	SCHT	CHL	PAT	M	X	X				X		X		X					TR		TR			DIS	
59.9	61	SCHT																	2	1					DIS	
66.9	67.5	SCHT	VEN		W						X		X							TR		TR			DIS	

Drill Hole Geotechnical Log

CMC Metals Ltd

Drill Hole No: CMC DDH SH07-11

Logged by: F Andersen/K Andersen/S Bowie

Box No	From (m)	To (m)	Int (m)	Rec	Rec %	Breaks	Breaks/M	Sum >10cm	RQD %	Comments	Core Size
	0	3								Casing	
1	3	4	1	1.01	101	99	99	0	0		NQ2
1	4	7	3	2.86	95	99	99	39	13		NQ2
1/2	7	10	3	2.48	83	99	99	19	6		NQ2
2	10	13	3	2.71	90	31	11	83	28		NQ2
2/3	13	16	3	2.93	98	99	99	76	25		NQ2
3/4	16	19	3	2.74	91	19	7	181	60		NQ2
4	19	22	3	2.97	99	17	6	189	63		NQ2
4/5	22	25	3	3.05	102	21	7	208	69		NQ2
5	25	28	3	2.93	98	18	6	231	77		NQ2
5/6	28	31	3	2.64	88	15	6	216	72		NQ2
6	31	34	3	3.09	103	17	6	214	71		NQ2
6/7	34	37	3	2.92	97	15	5	242	81		NQ2
7	37	40	3	2.21	74	99	99	26	9		NQ2
7/8	40	43	3	3.10	103	24	8	214	71		NQ2
8	43	46	3	2.98	99	22	7	200	67		NQ2
8/9	46	49	3	2.72	91	20	7	152	51		NQ2
9	49	52	3	3.00	100	28	9	159	53		NQ2
9/10	52	55	3	3.10	103	99	99	173	58		NQ2
10	55	58	3	2.96	99	99	99	172	57		NQ2
10/11	58	61	3	3.10	103	99	99	162	54		NQ2
11	61	64	3	2.97	99	22	7	181	60		NQ2
11/12	64	67	3	2.98	99	19	6	277	92		NQ2
12	67	70	3	3.02	101	14	5	254	85		NQ2

EOH

Total Metres 64.47

Total Recovery 96%

## **Appendix III**

### **2007 Silver Hart Assays**

2007 Drill and Rock Assays

Sample_ID	Ref_ID	Report ref	From_m	To_m	Type	Lab	MDL Certificate	7AR Mo% 0.001	7AR Cu% 0.001	7AR Pb% 0.01	7AR Zn% 0.01	7AR AgGM/T 2	7AR Ni% 0.001	7AR Co% 0.001	7AR Mn% 0.01	7AR Fe% 0.01	7AR As% 0.01
305901	CMCSH0701		24.1	24.8	CORE	ACME ANALYTICAL	VAN07000388	0.002	0.003	0.03	0.14	7	<0.001	<0.001	0.46	2.27	0.03
305902	CMCSH0701		24.8	25.8	CORE	ACME ANALYTICAL	VAN07000388	0.003	<0.001	0.03	0.14	<2	<0.001	<0.001	0.47	1.64	<0.01
305903	CMCSH0701		25.8	26.5	CORE	ACME ANALYTICAL	VAN07000388	0.003	0.001	0.05	0.15	4	<0.001	<0.001	0.45	1.54	<0.01
305904	CMCSH0701		26.5	27.5	CORE	ACME ANALYTICAL	VAN07000388	0.001	0.002	0.04	0.12	5	<0.001	<0.001	0.33	1.31	<0.01
305906	CMCSH0701		31.9	32.9	CORE	ACME ANALYTICAL	VAN07000388	0.003	0.009	0.02	1.09	10	<0.001	<0.001	0.18	0.83	<0.01
305907	CMCSH0701		32.9	33.5	CORE	ACME ANALYTICAL	VAN07000388	0.003	0.009	0.08	0.21	31	<0.001	<0.001	0.79	2.43	<0.01
305908	CMCSH0701		33.5	34.2	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.459	2.75	28.28	2069	<0.001	<0.001	0.67	3.56	0.34
305909	CMCSH0701		34.2	34.8	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.002	0.04	0.19	8	<0.001	<0.001	0.08	0.93	<0.01
305911	CMCSH0701		34.8	35.7	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.003	0.03	0.27	6	<0.001	<0.001	0.3	1.16	<0.01
305912	CMCSH0701		35.7	36.6	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.04	0.52	<2	<0.001	<0.001	0.32	1	<0.01
305913	CMCSH0701		41	42	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.02	0.29	<2	<0.001	<0.001	0.08	0.52	<0.01
305914	CMCSH0701		42	43	CORE	ACME ANALYTICAL	VAN07000388	0.001	<0.001	0.03	0.32	<2	<0.001	<0.001	0.53	1.37	<0.01
305916	CMCSH0701		43	44	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.005	0.04	0.33	14	<0.001	<0.001	0.21	1.31	<0.01
305917	CMCSH0701		44	45	CORE	ACME ANALYTICAL	VAN07000388	0.013	0.004	0.06	0.17	12	<0.001	<0.001	0.08	1.19	<0.01
305918	CMCSH0701		45	46	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.007	0.01	0.27	24	<0.001	<0.001	0.13	1.29	<0.01
305919	CMCSH0701		46	47	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.006	0.09	0.39	22	<0.001	<0.001	0.51	1.89	<0.01
305921	CMCSH0701		47	48	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.02	0.27	<2	<0.001	<0.001	0.16	0.89	<0.01
305922	CMCSH0701		60	60.3	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.009	<0.01	2.79	15	<0.001	<0.001	1.13	3.71	<0.01
305923	CMCSH0701		60.3	61.5	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.002	0.03	0.09	3	<0.001	<0.001	0.24	1.03	<0.01
305924	CMCSH0701		61.5	62.5	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.004	0.02	0.09	6	<0.001	<0.001	0.17	0.84	<0.01
305926	CMCSH0701		62.5	63.2	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.005	0.04	0.25	9	<0.001	<0.001	0.61	1.97	<0.01
305927	CMCSH0701		63.2	63.5	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.014	0.11	2.72	27	<0.001	<0.001	1.19	3.52	<0.01
305928	CMCSH0701		63.5	64.5	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.001	<0.01	0.04	<2	<0.001	<0.001	0.1	0.89	<0.01
305929	CMCSH0701		68.85	69.35	CORE	ACME ANALYTICAL	VAN07000388	0.024	0.002	<0.01	0.01	<2	<0.001	<0.001	0.05	0.88	<0.01
305931	CMCSH0702		11	12	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.02	0.2	<2	<0.001	<0.001	0.87	3.03	0.01
305932	CMCSH0702		12	13	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.04	0.25	<2	<0.001	<0.001	1.06	3.03	<0.01
305933	CMCSH0702		13	14	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.03	0.17	<2	<0.001	<0.001	0.69	2.46	<0.01
305934	CMCSH0702		14	15	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.02	0.09	<2	<0.001	<0.001	0.71	2.58	0.04
305936	CMCSH0702		15	15.5	CORE	ACME ANALYTICAL	VAN07000388	0.001	<0.001	0.03	0.14	<2	<0.001	<0.001	0.86	4.06	0.02
305937	CMCSH0702		9.5	11	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.007	0.02	0.15	2	<0.001	<0.001	0.13	1.16	<0.01
305938	CMCSH0703		16	17	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.007	0.01	0.15	3	<0.001	<0.001	0.13	1.22	<0.01
305939	CMCSH0703		18	19	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.002	0.02	0.15	5	<0.001	<0.001	0.35	1.32	<0.01
305941	CMCSH0703		20	21	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.002	0.02	0.1	<2	<0.001	<0.001	0.11	1.11	<0.01
305942	CMCSH0703		22	23	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.003	0.03	0.17	3	<0.001	<0.001	0.2	1.09	<0.01
305943	CMCSH0703		24.5	25.5	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.003	0.02	0.24	17	<0.001	<0.001	0.91	3.07	<0.01
305944	CMCSH0703		25.5	26.4	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.007	<0.01	0.05	47	<0.001	<0.001	0.78	2.78	<0.01
305946	CMCSH0703		26.4	27	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.007	0.06	1.15	23	<0.001	<0.001	0.63	2.31	<0.01
305947	CMCSH0703		27	27.8	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.01	0.2	<2	<0.001	<0.001	0.76	2.55	<0.01
305948	CMCSH0703		27.8	28.4	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.028	0.47	2.75	170	<0.001	<0.001	0.91	2.9	0.23
305949	CMCSH0703		28.4	29	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.002	0.08	1.54	4	<0.001	<0.001	0.78	2.4	0.02
305951	CMCSH0703		29	29.6	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.003	0.02	1.22	4	<0.001	<0.001	0.56	2.16	<0.01
305952	CMCSH0703		29.6	30	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.048	0.04	5.16	178	<0.001	<0.001	0.69	2.45	0.02
305953	CMCSH0703		30	30.5	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.002	0.02	0.73	<2	<0.001	<0.001	0.69	2.49	<0.01
305954	CMCSH0703		30.5	31.15	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.392	5.37	27.79	2011	<0.001	<0.001	0.3	2.25	0.08
305956	CMCSH0703		31.15	31.5	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.003	0.11	0.35	13	<0.001	<0.001	0.77	3.36	0.02
305957	CMCSH0703		31.5	32.5	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.002	0.01	0.44	5	<0.001	<0.001	0.57	1.82	<0.01
305958	CMCSH0703		32.5	33.5	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.001	0.01	0.5	3	<0.001	<0.001	0.45	1.64	<0.01
305959	CMCSH0703		33.5	34.5	CORE	ACME ANALYTICAL	VAN07000388	0.002	<0.001	0.05	0.23	<2	<0.001	<0.001	0.69	2.12	<0.01
305961	CMCSH0703		46	46.8	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	<0.01	0.15	<2	<0.001	<0.001	0.08	0.84	<0.01



2007 Drill and Rock Assays

Sample_ID	Ref_ID	Report ref	From_m	To_m	Type	Lab	MDL Certificate	7AR Mo% 0.001	7AR Cu% 0.001	7AR Pb% 0.01	7AR Zn% 0.01	7AR AgGM/T 2	7AR Ni% 0.001	7AR Co% 0.001	7AR Mn% 0.01	7AR Fe% 0.01	7AR As% 0.01
305962	CMCSH0703		46.8	47.1	CORE	ACME ANALYTICAL	VAN07000388	0.005	0.004	0.03	1.03	4	<0.001	<0.001	0.44	1.85	<0.01
305963	CMCSH0703		47.1	47.6	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.002	0.05	0.2	5	<0.001	<0.001	0.49	1.48	<0.01
305964	CMCSH0703		69	70	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.02	0.05	<2	<0.001	<0.001	0.13	1.37	<0.01
305966	CMCSH0703		70	71	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.01	0.02	<2	<0.001	<0.001	0.09	1.44	<0.01
305967	CMCSH0703		71	72	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.05	0.37	<2	<0.001	<0.001	0.58	2.26	0.02
305968	CMCSH0703		72	73	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.05	0.15	<2	<0.001	<0.001	0.41	1.98	<0.01
305969	CMCSH0703		73	74	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.06	0.13	<2	<0.001	<0.001	0.45	2.16	<0.01
305971	CMCSH0703		74	75	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.07	0.25	4	<0.001	<0.001	0.49	2.16	<0.01
305972	CMCSH0703		75	76	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.002	0.03	0.54	4	<0.001	<0.001	0.85	2.48	<0.01
305973	CMCSH0703		76	77	CORE	ACME ANALYTICAL	VAN07000388	0.002	<0.001	0.03	0.34	<2	<0.001	0.002	0.78	3.07	0.3
305974	CMCSH0703		77	78	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.02	0.41	<2	<0.001	<0.001	1.23	3.37	<0.01
305976	CMCSH0703		78	79	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	<0.01	0.29	<2	<0.001	<0.001	1.19	3.09	<0.01
305977	CMCSH0703		79	80	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.08	0.32	2	<0.001	<0.001	0.99	2.55	<0.01
305978	CMCSH0703		67	68	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.13	1.69	<0.01
305979	CMCSH0703		68	69	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.02	0.08	<2	<0.001	<0.001	0.31	1.73	<0.01
305981	CMCSH0704		30.8	31.8	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.01	0.07	<2	<0.001	<0.001	0.16	0.99	<0.01
305982	CMCSH0704		31.8	32.8	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	<0.01	0.06	<2	<0.001	<0.001	0.05	1.14	<0.01
305983	CMCSH0704		32.8	33.8	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.04	0.55	<2	<0.001	<0.001	0.47	1.24	<0.01
305984	CMCSH0704		33.8	34.7	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.002	0.06	2.02	5	<0.001	<0.001	0.75	2.24	0.09
305986	CMCSH0704		34.7	35.7	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.002	<0.01	1.39	5	<0.001	<0.001	1.2	3.35	<0.01
305987	CMCSH0704		35.7	36.7	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.001	<0.01	0.69	3	<0.001	<0.001	0.64	2.03	<0.01
305988	CMCSH0704		36.7	37.9	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.001	<0.01	0.99	<2	0.004	0.002	0.09	6.28	<0.01
305989	CMCSH0704		37.9	38.5	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.02	0.03	4.62	39	<0.001	<0.001	0.23	1.38	0.21
305991	CMCSH0704		38.5	39.2	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.02	0.2	<2	<0.001	<0.001	0.37	1.97	<0.01
305992	CMCSH0704		39.2	39.8	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.013	<0.01	2.45	8	<0.001	<0.001	0.31	1.25	<0.01
305993	CMCSH0704		39.8	40.4	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.003	<0.01	1.01	4	<0.001	<0.001	0.27	1.35	0.02
305994	CMCSH0704		40.4	41	CORE	ACME ANALYTICAL	VAN07000388	<0.001	0.126	1.17	18.94	456	<0.001	<0.001	0.14	1.55	0.45
305996	CMCSH0704		41	41.6	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.02	0.73	4	<0.001	<0.001	1.17	3.55	<0.01
305997	CMCSH0704		41.6	42.6	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	0.07	0.67	2	<0.001	<0.001	0.64	1.66	<0.01
305998	CMCSH0704		42.6	43.6	CORE	ACME ANALYTICAL	VAN07000388	<0.001	<0.001	<0.01	0.63	<2	<0.001	<0.001	0.12	1.18	<0.01
305999	CMCSH0704		52	53	CORE	ACME ANALYTICAL	VAN07000388	0.002	0.003	<0.01	0.1	<2	<0.001	<0.001	0.08	1.07	<0.01
701001	CMCSH0705		5.1	5.8	CORE	ACME ANALYTICAL	VAN07000359	0.002	0.004	0.38	0.81	87	0.001	<0.001	1.45	11.34	<0.01
701002	CMCSH0705		13.9	14.5	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.006	<0.01	0.04	<2	0.006	<0.001	0.34	7.56	<0.01
701003	CMCSH0705		14.5	15	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.015	0.04	0.46	4	0.003	0.001	0.56	13.72	<0.01
701004	CMCSH0705		15	15.55	CORE	ACME ANALYTICAL	VAN07000359	0.001	0.23	8.13	17.84	751	<0.001	<0.001	0.82	14.14	0.06
701006	CMCSH0705		15.55	16.5	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.026	0.57	1.51	50	<0.001	<0.001	1.75	17.17	<0.01
701007	CMCSH0705		16.5	17.3	CORE	ACME ANALYTICAL	VAN07000359	0.001	0.003	0.1	0.5	6	0.001	<0.001	1.08	9.24	<0.01
701008	CMCSH0705		17.3	18.3	CORE	ACME ANALYTICAL	VAN07000359	0.001	0.029	1.48	3.21	257	0.001	<0.001	5.12	16.19	<0.01
701009	CMCSH0705		18.3	19.3	CORE	ACME ANALYTICAL	VAN07000359	0.001	<0.001	0.03	0.1	<2	0.003	<0.001	0.61	5.08	<0.01
701011	CMCSH0705		19.3	20.3	CORE	ACME ANALYTICAL	VAN07000359	0.013	0.006	0.03	0.13	4	0.004	0.002	0.5	6.11	<0.01
701012	CMCSH0705		20.3	21.3	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.031	<0.01	0.03	<2	0.005	0.002	0.1	5.08	<0.01
701013	CMCSH0705		21.3	22.3	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.036	<0.01	0.02	<2	0.005	0.002	0.06	5	<0.01
701014	CMCSH0705		22.3	23.3	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.093	<0.01	0.02	<2	0.006	0.002	0.06	6.43	<0.01
701016	CMCSH0705		23.3	24.3	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.035	<0.01	0.01	<2	0.005	0.002	0.04	5.18	<0.01
701017	CMCSH0705		24.3	25.3	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.028	<0.01	0.01	<2	0.004	0.002	0.04	4.53	<0.01
701018	CMCSH0705		25.3	26.3	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.017	<0.01	0.01	<2	0.004	0.001	0.06	2.72	<0.01
701019	CMCSH0705		26.3	27	CORE	ACME ANALYTICAL	VAN07000359	0.001	0.015	<0.01	0.01	<2	0.004	0.002	0.09	3.87	<0.01
701021	CMCSH0705		27	27.7	CORE	ACME ANALYTICAL	VAN07000359	0.001	0.089	<0.01	0.01	<2	0.004	0.002	0.04	3.99	<0.01
701022	CMCSH0705		27.7	28.3	CORE	ACME ANALYTICAL	VAN07000359	0.002	0.125	<0.01	0.02	<2	0.008	0.004	0.11	3.14	<0.01

2007 Drill and Rock Assays

Sample_ID	Ref_ID	Report ref	From_m	To_m	Type	Lab	MDL Certificate	7AR Mo% 0.001	7AR Cu% 0.001	7AR Pb% 0.01	7AR Zn% 0.01	7AR AgGM/T 2	7AR Ni% 0.001	7AR Co% 0.001	7AR Mn% 0.01	7AR Fe% 0.01	7AR As% 0.01
701023	CMCSH0705		34.2	35	CORE	ACME ANALYTICAL	VAN07000359	0.003	0.008	<0.01	0.11	<2	0.004	0.001	0.33	7.25	<0.01
701024	CMCSH0705		40	40.6	CORE	ACME ANALYTICAL	VAN07000359	0.003	0.001	<0.01	<0.01	<2	0.002	<0.001	0.38	4.44	<0.01
701026	CMCSH0705		40.6	41	CORE	ACME ANALYTICAL	VAN07000359	0.005	0.002	0.05	0.05	<2	<0.001	<0.001	0.64	10.11	<0.01
701027	CMCSH0705		41	42	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.003	<0.01	<0.01	<2	<0.001	<0.001	0.38	9.45	<0.01
701028	CMCSH0705		42	42.7	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.004	<0.01	<0.01	<2	<0.001	<0.001	0.39	9.61	<0.01
701029	CMCSH0705		42.7	43.3	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.006	<0.01	<0.01	<2	<0.001	<0.001	0.39	10.06	<0.01
701031	CMCSH0705		43.3	43.9	CORE	ACME ANALYTICAL	VAN07000359	0.005	0.005	0.03	0.17	<2	<0.001	<0.001	0.68	11.19	<0.01
701032	CMCSH0705		43.9	44.5	CORE	ACME ANALYTICAL	VAN07000359	0.004	0.002	<0.01	<0.01	<2	<0.001	<0.001	0.51	11.16	<0.01
701033	CMCSH0705		44.5	45.5	CORE	ACME ANALYTICAL	VAN07000359	0.001	<0.001	<0.01	0.01	<2	0.001	<0.001	0.45	5.62	<0.01
701034	CMCSH0706		5.7	6.6	CORE	ACME ANALYTICAL	VAN07000359	<0.001	<0.001	<0.01	0.12	<2	<0.001	<0.001	0.86	2.13	<0.01
701036	CMCSH0706		6.6	7	CORE	ACME ANALYTICAL	VAN07000359	0.002	0.006	0.77	1.46	156	<0.001	0.001	2.07	10.57	<0.01
701037	CMCSH0706		7	8	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.001	<0.01	0.04	<2	<0.001	0.001	0.39	6.64	<0.01
701038	CMCSH0706		8	9	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.001	<0.01	0.04	<2	<0.001	<0.001	0.39	6.07	<0.01
701039	CMCSH0706		9	10	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.002	0.01	0.09	<2	<0.001	0.002	0.48	6.42	<0.01
701041	CMCSH0706		10	11	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.006	<0.01	0.04	<2	<0.001	0.001	0.33	8.17	<0.01
701042	CMCSH0706		11	11.7	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.003	<0.01	0.03	<2	<0.001	0.001	0.32	5.78	<0.01
701043	CMCSH0706		13.6	14.1	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.004	<0.01	0.04	<2	<0.001	0.001	0.41	6.51	<0.01
701044	CMCSH0706		14.1	15.1	CORE	ACME ANALYTICAL	VAN07000359	0.001	0.011	<0.01	0.02	<2	<0.001	0.002	0.38	7.21	<0.01
701046	CMCSH0706		15.1	16.1	CORE	ACME ANALYTICAL	VAN07000359	0.001	0.004	0.04	0.1	<2	<0.001	<0.001	0.45	9.52	<0.01
701047	CMCSH0706		16.1	17	CORE	ACME ANALYTICAL	VAN07000359	<0.001	0.007	0.15	0.2	10	<0.001	<0.001	0.82	11.29	<0.01
701048	CMCSH0706		17	17.55	CORE	ACME ANALYTICAL	VAN07000359	0.002	0.001	<0.01	0.1	<2	<0.001	<0.001	0.57	8.01	<0.01
701049	CMCSH0706		17.55	18.2	CORE	ACME ANALYTICAL	VAN07000359	0.002	0.14	1.36	21.62	605	<0.001	<0.001	2.26	11.01	<0.01
701051	CMCSH0706		18.2	18.8	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.014	0.43	3.28	63	0.002	<0.001	1.33	6.43	0.01
701052	CMCSH0706		18.8	19.6	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.015	0.43	1.61	40	0.006	0.002	1.03	6.91	0.02
701053	CMCSH0706		19.6	20.6	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.013	<0.01	0.07	<2	0.005	0.002	0.06	5.08	<0.01
701054	CMCSH0706		20.6	21.6	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.006	<0.01	0.04	<2	0.004	0.001	0.04	3.29	<0.01
701056	CMCSH0706		37.3	38	CORE	ACME ANALYTICAL	VAN07001088	0.006	0.001	<0.01	0.07	<2	0.002	<0.001	0.54	7.04	<0.01
701057	CMCSH0706		38	38.7	CORE	ACME ANALYTICAL	VAN07001088	0.005	<0.001	<0.01	0.15	<2	0.001	<0.001	0.83	6.61	<0.01
701058	CMCSH0706		41.8	42.5	CORE	ACME ANALYTICAL	VAN07001088	0.016	0.004	<0.01	<0.01	<2	0.001	<0.001	0.6	10.63	<0.01
701059	CMCSH0706		53.7	54.3	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.019	0.02	0.05	15	0.004	0.002	0.42	5.12	<0.01
701061	CMCSH0706		54.3	54.8	CORE	ACME ANALYTICAL	VAN07001088	0.001	0.023	<0.01	0.01	<2	0.005	0.002	0.09	5.15	<0.01
701062	CMCSH0706		54.8	55.6	CORE	ACME ANALYTICAL	VAN07001088	0.002	0.019	<0.01	0.01	<2	0.004	0.001	0.07	4.62	<0.01
701063	CMCSH0706		55.6	56.2	CORE	ACME ANALYTICAL	VAN07001088	0.006	0.126	<0.01	0.03	<2	0.006	0.002	0.08	6.26	<0.01
701064	CMCSH0707		4	5	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.012	0.27	0.7	31	0.006	0.002	1.48	8.57	0.02
701066	CMCSH0707		5	6	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.008	<0.01	0.09	<2	0.005	0.001	0.07	3.32	<0.01
701067	CMCSH0707		6	7	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.018	0.25	0.62	22	0.003	<0.001	0.22	3.51	<0.01
701068	CMCSH0707		7	8	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.018	<0.01	0.07	<2	0.003	<0.001	0.11	3.2	<0.01
701069	CMCSH0707		8	9	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.013	<0.01	0.05	<2	0.004	<0.001	0.15	3.62	<0.01
701071	CMCSH0707		9	10	CORE	ACME ANALYTICAL	VAN07001088	0.002	0.009	<0.01	0.2	<2	0.003	0.001	0.2	5.31	<0.01
701072	CMCSH0707		10	11.1	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.021	2.64	1.45	146	0.003	0.001	1.18	4.99	<0.01
701073	CMCSH0707		11.1	11.7	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.008	<0.01	0.08	<2	0.003	<0.001	0.17	3.64	<0.01
701074	CMCSH0707		11.7	12.4	CORE	ACME ANALYTICAL	VAN07001088	0.006	0.01	0.03	0.11	4	0.002	<0.001	0.54	7.91	<0.01
701076	CMCSH0707		12.4	13.4	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.08	7.64	4.78	1000	0.001	0.001	1.41	10.89	0.05
701077	CMCSH0707		13.4	14	CORE	ACME ANALYTICAL	VAN07001088	<0.001	<0.001	<0.01	0.01	3	0.002	<0.001	0.49	8.63	<0.01
701078	CMCSH0707		14	14.4	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.079	11.17	4.46	1650	<0.001	<0.001	0.73	4.94	<0.01
701079	CMCSH0707		14.4	15	CORE	ACME ANALYTICAL	VAN07001088	<0.001	<0.001	0.04	0.01	5	0.001	<0.001	0.52	11.66	<0.01
701081	CMCSH0707		15	16	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.002	0.2	0.02	16	<0.001	<0.001	0.57	11.84	<0.01
701082	CMCSH0707		31.5	32.1	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.002	<0.01	<0.01	<2	0.002	<0.001	0.29	3.43	<0.01
701083	CMCSH0707		32.1	32.6	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.004	0.07	0.44	<2	0.002	<0.001	0.74	5.91	<0.01

2007 Drill and Rock Assays

Sample_ID	Ref_ID	Report ref	From_m	To_m	Type	Lab	MDL Certificate	7AR Mo% 0.001	7AR Cu% 0.001	7AR Pb% 0.01	7AR Zn% 0.01	7AR AgGM/T 2	7AR Ni% 0.001	7AR Co% 0.001	7AR Mn% 0.01	7AR Fe% 0.01	7AR As% 0.01
701084	CMCSH0707		32.6	34	CORE	ACME ANALYTICAL	VAN07001088	0.001	0.002	<0.01	<0.01	<2	0.002	<0.001	0.44	4.53	<0.01
701086	CMCSH0707		34	34.4	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.003	0.06	0.23	3	0.005	<0.001	0.61	3.5	<0.01
701087	CMCSH0707		34.4	35.7	CORE	ACME ANALYTICAL	VAN07001088	<0.001	<0.001	<0.01	<0.01	<2	0.001	<0.001	0.33	2.89	<0.01
701088	CMCSH0707		35.7	36	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.052	6.13	2.46	529	0.002	<0.001	1.46	5.48	<0.01
701089	CMCSH0707		36	36.6	CORE	ACME ANALYTICAL	VAN07001088	<0.001	<0.001	0.02	0.01	2	0.001	<0.001	0.24	2.41	<0.01
701091	CMCSH0707		43.9	44.9	CORE	ACME ANALYTICAL	VAN07001088	0.008	0.01	0.03	0.03	<2	<0.001	<0.001	0.36	11.67	<0.01
701092	CMCSH0707		44.9	45.5	CORE	ACME ANALYTICAL	VAN07001088	0.003	0.016	<0.01	<0.01	<2	0.001	0.002	0.39	12.82	<0.01
701093	CMCSH0707		45.5	46.5	CORE	ACME ANALYTICAL	VAN07001088	0.002	0.078	<0.01	0.01	<2	0.003	0.004	0.22	9.29	<0.01
701094	CMCSH0707		48.8	49.5	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.005	0.02	0.07	3	0.004	0.001	0.22	4.4	<0.01
701096	CMCSH0707		49.5	50.5	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.004	0.02	0.09	2	0.004	0.001	0.17	4.45	<0.01
701097	CMCSH0707		50.5	51.1	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.004	<0.01	0.01	<2	0.005	0.002	0.04	5.53	<0.01
701098	CMCSH0707		56	57	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.005	<0.01	<0.01	<2	0.003	0.001	0.05	3.2	<0.01
701099	CMCSH0707		58	59	CORE	ACME ANALYTICAL	VAN07001088	<0.001	0.006	<0.01	<0.01	<2	0.004	0.001	0.06	2.32	<0.01
701101	CMCSH0708		6.5	7	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.002	<0.01	0.03	<2	0.003	0.002	0.09	3.62	<0.01
701102	CMCSH0708		7	8.2	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.004	<0.01	0.01	<2	0.004	0.002	0.04	4.05	<0.01
701103	CMCSH0708		8.2	9.2	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.007	<0.01	0.02	<2	0.005	0.002	0.04	5.4	<0.01
701104	CMCSH0708		9.2	9.8	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.011	<0.01	0.12	<2	0.004	0.002	0.1	4.78	<0.01
701106	CMCSH0708		9.8	10.8	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.006	<0.01	0.01	<2	0.003	0.002	0.08	3.32	<0.01
701107	CMCSH0708		10.8	11.6	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.004	<0.01	<0.01	<2	0.002	0.001	0.04	2.41	<0.01
701108	CMCSH0708		11.6	12.3	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.012	0.05	0.06	4	0.003	0.002	0.13	3.76	<0.01
701109	CMCSH0708		12.3	13.3	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.008	0.11	0.24	11	0.003	0.001	0.75	4.7	<0.01
701111	CMCSH0708		13.3	14.1	CORE	ACME ANALYTICAL	VAN07001417	0.002	0.012	0.84	2.12	52	0.003	0.001	2.23	7.02	<0.01
701112	CMCSH0708		14.1	15.2	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.006	<0.01	0.02	<2	0.002	<0.001	0.29	2.74	<0.01
701113	CMCSH0708		15.2	16	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.012	0.18	0.53	22	0.003	0.002	1.22	4.77	<0.01
701114	CMCSH0708		16	16.7	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.016	0.04	0.08	12	0.003	0.001	0.42	3.97	<0.01
701116	CMCSH0708		16.7	17.5	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.013	0.17	0.25	37	0.003	<0.001	0.56	3.6	<0.01
701117	CMCSH0708		17.5	18.3	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.017	<0.01	0.07	2	0.003	0.002	0.13	3.28	<0.01
701118	CMCSH0708		18.3	19.1	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.001	0.19	0.52	11	0.002	<0.001	2.45	6.68	<0.01
701119	CMCSH0708		19.1	20	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.004	0.34	1.8	18	0.001	<0.001	2.94	8.61	0.02
701121	CMCSH0708		20	20.6	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.029	1.75	8.67	152	<0.001	<0.001	4.21	10.94	<0.01
701122	CMCSH0708		20.6	21.2	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.002	3.2	2.06	97	<0.001	<0.001	3.83	15.33	0.03
701123	CMCSH0708		21.2	21.8	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.003	0.03	0.1	<2	0.001	<0.001	0.73	7.61	<0.01
701124	CMCSH0708		24.5	25.1	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.003	0.06	0.05	2	0.002	<0.001	0.5	4.82	<0.01
701126	CMCSH0708		25.1	25.7	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.047	>4.00	8.57	>300	<0.001	<0.001	0.6	2.71	<0.01
701127	CMCSH0708		25.7	26.45	CORE	ACME ANALYTICAL	VAN07001417	<0.001	<0.001	0.06	0.06	6	0.002	<0.001	0.45	3.17	<0.01
701128	CMCSH0708		26.45	27.15	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.01	0.6	10.34	225	0.001	0.002	6.34	19.79	0.29
701129	CMCSH0708		27.15	27.85	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.012	0.83	10.49	33	<0.001	0.001	7.1	21.58	0.23
701131	CMCSH0708		27.85	28.6	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.004	0.52	4.79	21	<0.001	<0.001	8.46	26.02	0.02
701132	CMCSH0708		28.6	29.3	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.001	0.06	3.21	10	<0.001	<0.001	9.34	29.76	<0.01
701133	CMCSH0708		29.3	30.2	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.001	0.19	2.45	7	<0.001	<0.001	8.82	29.83	<0.01
701134	CMCSH0708		30.2	31.1	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.009	1.07	3.26	19	<0.001	<0.001	8.99	27.68	<0.01
701136	CMCSH0708		31.1	32	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.005	1.21	3.25	23	<0.001	<0.001	10.61	29.79	<0.01
701137	CMCSH0708		32	33	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.008	2.81	4.54	57	<0.001	<0.001	9.37	27.44	<0.01
701138	CMCSH0708		33	33.85	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.005	0.58	2.56	14	<0.001	<0.001	12.17	31.41	<0.01
701139	CMCSH0708		33.85	34.5	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.02	2.6	14.94	61	<0.001	<0.001	8.43	24.22	<0.01
701141	CMCSH0708		34.5	35.5	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.003	1.34	2.4	19	<0.001	<0.001	9.18	30.89	<0.01
701142	CMCSH0708		35.5	36.5	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.004	1.18	2.79	18	<0.001	<0.001	9.65	30	<0.01
701143	CMCSH0708		36.5	37.5	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.002	0.77	2.42	17	<0.001	<0.001	10.69	31.96	<0.01
701144	CMCSH0708		37.5	38.5	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.002	0.42	1.18	6	<0.001	<0.001	6.94	22.04	<0.01

2007 Drill and Rock Assays

Sample_ID	Ref_ID	Report ref	From_m	To_m	Type	Lab	MDL Certificate	7AR Mo% 0.001	7AR Cu% 0.001	7AR Pb% 0.01	7AR Zn% 0.01	7AR AgGM/T 2	7AR Ni% 0.001	7AR Co% 0.001	7AR Mn% 0.01	7AR Fe% 0.01	7AR As% 0.01
701146	CMCSH0708		38.5	39.4	CORE	ACME ANALYTICAL	VAN07001417	0.001	<0.001	0.23	0.73	3	<0.001	<0.001	11.28	34.99	<0.01
701147	CMCSH0708		39.4	40.4	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.002	0.32	2.54	7	<0.001	<0.001	10.11	31.71	<0.01
701148	CMCSH0708		40.4	41.4	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.003	0.76	2.52	12	<0.001	<0.001	9.73	30.88	<0.01
701149	CMCSH0708		41.4	42.5	CORE	ACME ANALYTICAL	VAN07001417	<0.001	0.002	0.38	3.86	10	<0.001	<0.001	10.07	27.05	<0.01
701151	CMCSH0708		42.5	43.2	CORE	ACME ANALYTICAL	VAN07001418	0.004	<0.001	0.02	0.05	<2	0.002	<0.001	0.64	4.54	<0.01
701152	CMCSH0709		10.6	11.6	CORE	ACME ANALYTICAL	VAN07001418	0.001	0.002	<0.01	0.17	10	0.001	<0.001	0.39	3.24	<0.01
701153	CMCSH0709		11.6	12.6	CORE	ACME ANALYTICAL	VAN07001418	<0.001	<0.001	<0.01	0.24	6	0.002	<0.001	0.58	3.26	<0.01
701154	CMCSH0709		12.6	13.6	CORE	ACME ANALYTICAL	VAN07001418	<0.001	<0.001	<0.01	0.4	5	0.002	<0.001	0.86	3.67	<0.01
701156	CMCSH0709		13.6	14.6	CORE	ACME ANALYTICAL	VAN07001418	<0.001	<0.001	<0.01	0.25	<2	0.002	<0.001	0.62	3.35	<0.01
701157	CMCSH0709		14.6	15.6	CORE	ACME ANALYTICAL	VAN07001418	<0.001	<0.001	<0.01	0.1	<2	0.001	<0.001	0.45	2.05	<0.01
701158	CMCSH0709		15.6	16.6	CORE	ACME ANALYTICAL	VAN07001418	<0.001	<0.001	<0.01	0.13	<2	<0.001	<0.001	0.3	1.29	<0.01
701159	CMCSH0709		16.6	17.2	CORE	ACME ANALYTICAL	VAN07001418	<0.001	<0.001	<0.01	0.1	3	<0.001	<0.001	0.26	0.62	<0.01
701161	CMCSH0709		9.6	10.6	CORE	ACME ANALYTICAL	VAN07001418	<0.001	<0.001	<0.01	0.06	<2	<0.001	<0.001	0.16	0.97	0.01
701162	CMCSH0709		17.2	18.2	CORE	ACME ANALYTICAL	VAN07001418	0.005	0.003	0.41	2.65	15	<0.001	<0.001	4.76	32.93	0.02
701163	CMCSH0709		18.2	19.2	CORE	ACME ANALYTICAL	VAN07001418	0.006	0.012	0.86	3.56	65	<0.001	<0.001	6.17	36.82	0.11
701164	CMCSH0709		19.2	20.2	CORE	ACME ANALYTICAL	VAN07001418	0.003	0.041	0.83	2.86	72	<0.001	<0.001	1.34	20.17	0.09
701166	CMCSH0709		20.2	21.2	CORE	ACME ANALYTICAL	VAN07001418	0.004	0.008	0.67	2.34	43	0.005	0.002	7.47	21.33	0.08
701167	CMCSH0709		21.2	22.2	CORE	ACME ANALYTICAL	VAN07001418	0.006	0.004	0.27	3.47	50	0.003	0.002	7.8	11.67	0.03
701168	CMCSH0709		22.2	23.2	CORE	ACME ANALYTICAL	VAN07001418	0.004	0.006	0.52	18	13	0.004	0.001	3.14	2.29	<0.01
701169	CMCSH0709		23.2	24.2	CORE	ACME ANALYTICAL	VAN07001418	<0.001	0.008	0.01	1.85	3	0.002	<0.001	0.35	2.12	<0.01
701171	CMCSH0709		24.2	25.2	CORE	ACME ANALYTICAL	VAN07001418	<0.001	0.01	0.02	0.7	3	0.003	0.001	0.33	2.72	<0.01
701172	CMCSH0709		25.2	26	CORE	ACME ANALYTICAL	VAN07001418	<0.001	0.004	<0.01	0.44	3	0.003	0.001	0.03	3.29	<0.01
701173	CMCSH0709		26	27	CORE	ACME ANALYTICAL	VAN07001418	<0.001	0.006	<0.01	0.35	3	0.008	0.002	0.08	3.39	<0.01
701174	CMCSH0709		27	28	CORE	ACME ANALYTICAL	VAN07001418	0.028	<0.001	<0.01	0.12	<2	0.001	<0.001	0.29	1.95	<0.01
701176	CMCSH0709		28	29	CORE	ACME ANALYTICAL	VAN07001418	0.002	0.003	<0.01	0.06	<2	<0.001	<0.001	0.27	2.85	<0.01
701177	CMCSH0709		29	30	CORE	ACME ANALYTICAL	VAN07001418	<0.001	<0.001	<0.01	0.19	<2	<0.001	<0.001	0.3	2.05	<0.01
701178	CMCSH0709		30	31	CORE	ACME ANALYTICAL	VAN07001418	0.004	0.005	<0.01	4.07	9	0.004	0.001	4.38	3.62	0.02
701179	CMCSH0709		31	32	CORE	ACME ANALYTICAL	VAN07001418	0.038	<0.001	<0.01	0.06	<2	<0.001	<0.001	0.39	2.16	<0.01
701181	CMCSH0709		32	33	CORE	ACME ANALYTICAL	VAN07001418	<0.001	0.001	<0.01	0.15	<2	<0.001	<0.001	0.23	1.31	<0.01
701182	CMCSH0709		33	34	CORE	ACME ANALYTICAL	VAN07001418	<0.001	<0.001	<0.01	0.28	<2	<0.001	<0.001	0.24	1.69	<0.01
701183	CMCSH0709		34	35	CORE	ACME ANALYTICAL	VAN07001418	0.003	0.004	<0.01	1.63	<2	<0.001	0.002	0.66	4.05	<0.01
701184	CMCSH0709		35	36	CORE	ACME ANALYTICAL	VAN07001418	0.032	<0.001	<0.01	0.04	<2	0.001	<0.001	0.4	2.92	<0.01
701186	CMCSH0709		36	37	CORE	ACME ANALYTICAL	VAN07001418	0.042	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.39	2.96	<0.01
701187	CMCSH0709		37	38	CORE	ACME ANALYTICAL	VAN07001418	0.008	0.002	<0.01	0.03	<2	<0.001	<0.001	0.41	3.52	<0.01
701188	CMCSH0709		38	39	CORE	ACME ANALYTICAL	VAN07001418	0.002	<0.001	<0.01	0.08	<2	0.001	<0.001	0.39	2.94	<0.01
701189	CMCSH0709		39	40	CORE	ACME ANALYTICAL	VAN07001418	0.002	<0.001	<0.01	0.11	<2	0.001	<0.001	0.45	2.48	<0.01
701191	CMCSH0709		40	41	CORE	ACME ANALYTICAL	VAN07001418	0.006	<0.001	<0.01	0.02	<2	0.001	<0.001	0.32	2.29	<0.01
701192	CMCSH0709		41	42	CORE	ACME ANALYTICAL	VAN07001418	0.006	<0.001	<0.01	0.01	<2	<0.001	<0.001	0.4	2.17	<0.01
701193	CMCSH0709		42	43	CORE	ACME ANALYTICAL	VAN07001418	0.001	0.007	<0.01	0.02	<2	0.002	0.001	0.28	2.76	<0.01
701194	CMCSH0709		43	44	CORE	ACME ANALYTICAL	VAN07001418	<0.001	0.006	<0.01	0.02	<2	0.003	0.001	0.07	3.22	<0.01
701196	CMCSH0709		44	45	CORE	ACME ANALYTICAL	VAN07001418	<0.001	0.003	<0.01	<0.01	<2	0.004	0.001	0.03	3.45	<0.01
701197	CMCSH0709		45	46	CORE	ACME ANALYTICAL	VAN07001418	<0.001	0.002	<0.01	0.02	<2	0.002	<0.001	0.07	2.22	<0.01
701198	CMCSH0709		46	47	CORE	ACME ANALYTICAL	VAN07001418	0.002	0.003	<0.01	<0.01	<2	0.003	0.001	0.03	2.78	<0.01
701199	CMCSH0709		47	48	CORE	ACME ANALYTICAL	VAN07001418	0.002	0.005	<0.01	0.01	<2	0.004	0.002	0.04	4.09	<0.01
701201	CMCSH0709		48	49	CORE	ACME ANALYTICAL	VAN07001418	<0.001	0.006	<0.01	0.01	<2	0.002	<0.001	0.03	0.93	<0.01
701202	CMCSH0709		49	50	CORE	ACME ANALYTICAL	VAN07001418	<0.001	0.006	<0.01	<0.01	<2	0.001	<0.001	0.06	1.02	<0.01
701203	CMCSH0710		16	16.6	CORE	ACME ANALYTICAL	VAN07001418	<0.001	<0.001	<0.01	0.04	<2	0.001	<0.001	0.51	1.41	<0.01
701204	CMCSH0710		32.9	33.9	CORE	ACME ANALYTICAL	VAN07001418	<0.001	0.006	<0.01	0.03	<2	0.003	0.001	0.05	3.07	<0.01
701206	CMCSH0710		33.9	34.9	CORE	ACME ANALYTICAL	VAN07001418	<0.001	0.013	<0.01	0.16	<2	0.003	<0.001	0.34	1.51	<0.01

2007 Drill and Rock Assays

Sample_ID	Ref_ID	Report ref	From_m	To_m	Type	Lab	MDL Certificate	7AR Mo% 0.001	7AR Cu% 0.001	7AR Pb% 0.01	7AR Zn% 0.01	7AR AgGM/T 2	7AR Ni% 0.001	7AR Co% 0.001	7AR Mn% 0.01	7AR Fe% 0.01	7AR As% 0.01
701207	CMCSH0710		34.9	35.7	CORE	ACME ANALYTICAL	VAN07001418	<0.001	<0.001	<0.01	0.05	<2	<0.001	<0.001	0.13	0.94	<0.01
701208	CMCSH0710		35.7	36.7	CORE	ACME ANALYTICAL	VAN07001418	0.012	0.003	<0.01	0.13	<2	0.001	<0.001	0.24	1.51	<0.01
701209	CMCSH0710		36.7	37.4	CORE	ACME ANALYTICAL	VAN07001418	0.002	0.066	<0.01	1.94	12	0.002	0.002	0.48	12.54	0.02
701211	CMCSH0710		37.4	38	CORE	ACME ANALYTICAL	VAN07001583	0.003	0.033	0.05	0.99	42	0.003	0.002	0.93	8.73	0.02
701212	CMCSH0710		45.7	46.5	CORE	ACME ANALYTICAL	VAN07001583	<0.001	0.006	<0.01	1.2	2	0.003	0.001	0.44	3.3	<0.01
701213	CMCSH0710		51.4	52.2	CORE	ACME ANALYTICAL	VAN07001583	<0.001	0.006	<0.01	0.04	<2	0.002	<0.001	0.09	1.95	<0.01
701214	CMCSH0711		12	12.7	CORE	ACME ANALYTICAL	VAN07001583	<0.001	<0.001	<0.01	0.29	<2	<0.001	<0.001	0.22	2.63	<0.01
701216	CMCSH0711		12.7	13.3	CORE	ACME ANALYTICAL	VAN07001583	<0.001	<0.001	<0.01	3.81	<2	<0.001	0.011	0.24	1.67	<0.01
701217	CMCSH0711		13.3	14.2	CORE	ACME ANALYTICAL	VAN07001583	<0.001	0.002	<0.01	0.18	<2	0.001	<0.001	0.12	0.72	<0.01
701218	CMCSH0711		14.2	14.7	CORE	ACME ANALYTICAL	VAN07001583	<0.001	0.003	0.12	0.5	3	0.006	0.001	1.58	6.56	<0.01
701219	CMCSH0711		14.7	15.4	CORE	ACME ANALYTICAL	VAN07001583	0.001	0.001	0.02	0.12	<2	<0.001	<0.001	0.12	0.78	<0.01
701221	CMCSH0711		15.4	16.4	CORE	ACME ANALYTICAL	VAN07001583	0.002	0.011	<0.01	1.87	<2	0.001	0.007	0.33	1.3	<0.01
701222	CMCSH0711		16.4	17.4	CORE	ACME ANALYTICAL	VAN07001583	0.009	<0.001	<0.01	0.02	<2	<0.001	<0.001	0.32	1.21	<0.01
701223	CMCSH0711		17.4	18.4	CORE	ACME ANALYTICAL	VAN07001583	0.005	<0.001	<0.01	0.04	<2	<0.001	<0.001	0.33	1.37	<0.01
701224	CMCSH0711		18.4	19.4	CORE	ACME ANALYTICAL	VAN07001583	0.005	<0.001	<0.01	0.02	<2	0.001	<0.001	0.27	1.43	<0.01
701226	CMCSH0711		19.4	20	CORE	ACME ANALYTICAL	VAN07001583	<0.001	0.001	<0.01	0.41	<2	<0.001	<0.001	0.25	1.11	<0.01
701227	CMCSH0711		20	21	CORE	ACME ANALYTICAL	VAN07001583	<0.001	0.006	<0.01	0.48	<2	<0.001	<0.001	0.11	1.38	<0.01
701228	CMCSH0711		21	22	CORE	ACME ANALYTICAL	VAN07001583	0.016	0.006	<0.01	0.02	<2	0.002	<0.001	0.12	1.48	<0.01
701229	CMCSH0711		22	22.5	CORE	ACME ANALYTICAL	VAN07001583	0.024	<0.001	<0.01	0.01	<2	0.001	<0.001	0.18	1.3	<0.01
701231	CMCSH0711		22.5	23.5	CORE	ACME ANALYTICAL	VAN07001583	<0.001	0.027	<0.01	0.01	<2	0.004	0.002	0.03	3.74	<0.01
701232	CMCSH0711		26.5	27.1	CORE	ACME ANALYTICAL	VAN07001583	<0.001	<0.001	<0.01	<0.01	<2	0.001	<0.001	0.08	1.09	<0.01
701233	CMCSH0711		27.1	27.6	CORE	ACME ANALYTICAL	VAN07001583	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.07	0.95	<0.01
701234	CMCSH0711		27.6	28.1	CORE	ACME ANALYTICAL	VAN07001583	0.001	0.003	<0.01	<0.01	<2	0.001	<0.001	0.03	0.91	<0.01
701236	CMCSH0711		36.4	37	CORE	ACME ANALYTICAL	VAN07001583	0.005	0.001	<0.01	0.06	<2	0.001	<0.001	0.26	0.99	<0.01
701237	CMCSH0711		37	37.8	CORE	ACME ANALYTICAL	VAN07001583	0.036	<0.001	<0.01	0.03	<2	<0.001	<0.001	0.3	1.17	<0.01
701238	CMCSH0711		37.8	38.6	CORE	ACME ANALYTICAL	VAN07001583	<0.001	0.005	<0.01	0.01	<2	0.004	0.002	0.25	3.62	<0.01
701239	CMCSH0711		38.6	40	CORE	ACME ANALYTICAL	VAN07001583	0.001	0.029	<0.01	0.25	5	0.006	0.003	0.35	5.95	0.06
701241	CMCSH0711		59	59.7	CORE	ACME ANALYTICAL	VAN07001583	0.002	0.001	0.01	0.03	<2	0.001	<0.001	0.49	2.62	<0.01
701242	CMCSH0711		59.7	60.2	CORE	ACME ANALYTICAL	VAN07001583	<0.001	0.002	>4.00	1.97	81	0.001	<0.001	1.47	3.87	<0.01
701243	CMCSH0711		60.2	61	CORE	ACME ANALYTICAL	VAN07001583	<0.001	0.004	0.19	0.23	20	0.003	0.001	0.7	3.46	<0.01
701244	CMCSH0711		61	62	CORE	ACME ANALYTICAL	VAN07001583	<0.001	0.019	<0.01	0.01	<2	0.004	0.002	0.17	3	<0.01
701246	CMCSH0711		66.9	67.5	CORE	ACME ANALYTICAL	VAN07001583	<0.001	0.092	<0.01	<0.01	<2	0.004	0.004	0.02	7.98	<0.01
701247	FA07056				CHIP	ACME ANALYTICAL	A706780	0.001	0.003	0.22	1.15		0.002	0.001	2.84	6.96	0.01
701248	FA07056				CHIP	ACME ANALYTICAL	A706780	0.001	0.044	83.01	0.03		<.001	<.001	0.02	0.11	<.01
701249	FA07056				CHIP	ACME ANALYTICAL	A706780	0.001	0.009	2.09	4.51		0.002	<.001	1.8	4.82	0.39
701251	FA07067				FLOAT	ACME ANALYTICAL	A706780	<.001	0.041	2.51	0.02		0.009	0.009	0.03	22.32	<.01
701252	FA07078				GRAB	ACME ANALYTICAL	A706780	0.05	0.008	65.62	0.16		<.001	<.001	0.2	3.5	<.01
701253	FA07113				CHIP	ACME ANALYTICAL	A706780	0.001	0.005	0.63	4.87		0.001	<.001	5.67	17.37	0.87
701254	FA07112				CHIP	ACME ANALYTICAL	A706780	0.014	0.008	1.4	2.06		0.001	<.001	10.47	25.83	0.01
701256	FA07111				GRAB	ACME ANALYTICAL	A706780	0.008	0.003	0.76	2.3		<.001	<.001	8.87	39.31	0.01
701257	FA07110		0	5	CHIP	ACME ANALYTICAL	A706780	0.009	0.009	2.72	3.38		<.001	<.001	6.78	35.92	0.02
701258	FA07110		5	10	CHIP	ACME ANALYTICAL	A706780	0.007	0.016	6.21	3.34		<.001	<.001	9.24	35.49	0.13
701259	FA07110		10	15	CHIP	ACME ANALYTICAL	A706780	0.008	0.004	5.17	1.95		<.001	<.001	10.89	40.4	<.01
701261	FA07110		15	20	CHIP	ACME ANALYTICAL	A706780	0.008	0.007	1.95	2.53		<.001	<.001	9.69	35.55	0.01

Sample_ID	Ref_ID	7AR Sr% 0.001	7AR Cd% 0.001	7AR Sb% 0.001	7AR Bi% 0.01	7AR Ca% 0.01	7AR P% 0.001	7AR Cr% 0.001	7AR Mg% 0.01	7AR Al% 0.01	7AR Na% 0.01	7AR K% 0.01	7AR W% 0.001	7AR Hg% 0.001	7AR Ag GM/T 2	7AR Pb% 0.01	G6 AuGM/T 0.01	G7 AgGM/T <2	WTKG 0
305901	CMCSH0701	0.001	<0.001	0.003	<0.01	0.13	0.046	<0.001	0.04	0.49	<0.01	0.43	<0.001	<0.001			N.A.	N.A.	1.6
305902	CMCSH0701	0.001	<0.001	<0.001	<0.01	0.18	0.052	<0.001	0.07	0.37	<0.01	0.39	<0.001	<0.001			N.A.	N.A.	2.3
305903	CMCSH0701	<0.001	<0.001	<0.001	<0.01	0.14	0.047	<0.001	0.06	0.36	<0.01	0.38	<0.001	<0.001			N.A.	N.A.	1.8
305904	CMCSH0701	<0.001	<0.001	0.004	<0.01	0.13	0.049	<0.001	0.04	0.36	<0.01	0.38	<0.001	<0.001			N.A.	N.A.	2.7
305906	CMCSH0701	<0.001	<0.001	<0.001	<0.01	0.16	0.046	<0.001	0.05	0.34	<0.01	0.33	0.003	<0.001			N.A.	N.A.	1.8
305907	CMCSH0701	<0.001	<0.001	0.004	<0.01	0.18	0.047	<0.001	0.09	0.42	<0.01	0.38	<0.001	<0.001			N.A.	N.A.	1.6
305908	CMCSH0701	<0.001	0.069	0.105	<0.01	0.02	0.005	<0.001	0.02	0.13	<0.01	0.11	0.042	<0.001			0.37		1.7
305909	CMCSH0701	<0.001	<0.001	0.002	<0.01	0.04	0.017	<0.001	0.01	0.24	<0.01	0.23	0.001	<0.001			N.A.	N.A.	1.6
305911	CMCSH0701	<0.001	<0.001	<0.001	<0.01	0.05	0.011	<0.001	0.04	0.22	<0.01	0.23	0.001	<0.001			N.A.	N.A.	2.2
305912	CMCSH0701	<0.001	<0.001	<0.001	<0.01	0.1	0.026	<0.001	0.05	0.38	<0.01	0.4	0.002	<0.001			N.A.	N.A.	2
305913	CMCSH0701	<0.001	<0.001	<0.001	<0.01	0.14	0.015	<0.001	0.04	0.29	<0.01	0.32	0.001	<0.001			N.A.	N.A.	2.2
305914	CMCSH0701	<0.001	<0.001	<0.001	<0.01	0.13	0.022	<0.001	0.06	0.33	<0.01	0.34	0.002	<0.001			N.A.	N.A.	2.4
305916	CMCSH0701	0.003	<0.001	<0.001	<0.01	0.59	0.095	<0.001	0.12	0.41	<0.01	0.37	0.002	<0.001			N.A.	N.A.	2.4
305917	CMCSH0701	0.004	<0.001	<0.001	<0.01	0.81	0.054	<0.001	0.15	0.35	<0.01	0.36	<0.001	<0.001			N.A.	N.A.	2.4
305918	CMCSH0701	0.008	<0.001	<0.001	<0.01	1.35	0.052	<0.001	0.25	0.36	<0.01	0.34	0.002	<0.001			N.A.	N.A.	2.3
305919	CMCSH0701	0.001	<0.001	0.001	<0.01	0.42	0.055	<0.001	0.11	0.36	<0.01	0.36	0.003	<0.001			N.A.	N.A.	2.7
305921	CMCSH0701	0.002	<0.001	<0.001	<0.01	0.64	0.036	<0.001	0.12	0.33	<0.01	0.33	0.002	<0.001			N.A.	N.A.	2.5
305922	CMCSH0701	<0.001	0.005	0.002	<0.01	0.1	0.024	<0.001	0.05	0.32	<0.01	0.36	0.011	<0.001			0.01		0.9
305923	CMCSH0701	0.002	<0.001	<0.001	<0.01	0.33	0.031	<0.001	0.08	0.45	<0.01	0.36	<0.001	<0.001			<0.01		2.8
305924	CMCSH0701	0.001	<0.001	<0.001	<0.01	0.22	0.029	<0.001	0.05	0.36	<0.01	0.32	<0.001	<0.001			<0.01		2.4
305926	CMCSH0701	<0.001	<0.001	<0.001	<0.01	0.16	0.041	<0.001	0.07	0.34	<0.01	0.35	0.002	<0.001			<0.01		1.8
305927	CMCSH0701	<0.001	0.006	0.001	<0.01	0.14	0.025	<0.001	0.09	0.33	<0.01	0.31	0.013	<0.001			0.02		0.7
305928	CMCSH0701	0.002	<0.001	<0.001	<0.01	0.45	0.026	<0.001	0.1	0.4	<0.01	0.31	<0.001	<0.001			<0.01		2.1
305929	CMCSH0701	0.002	<0.001	<0.001	<0.01	0.87	0.046	<0.001	0.11	0.47	<0.01	0.19	<0.001	<0.001			<0.01		1.3
305931	CMCSH0702	0.001	<0.001	<0.001	<0.01	0.13	0.05	<0.001	0.07	0.42	<0.01	0.4	<0.001	<0.001			0.01		2.3
305932	CMCSH0702	0.002	<0.001	<0.001	<0.01	0.22	0.063	<0.001	0.1	0.43	<0.01	0.43	0.002	<0.001			0.01		2.4
305933	CMCSH0702	0.002	<0.001	<0.001	<0.01	0.45	0.062	<0.001	0.1	0.41	<0.01	0.42	0.002	<0.001			0.01		2.4
305934	CMCSH0702	0.001	<0.001	<0.001	<0.01	0.12	0.043	<0.001	0.06	0.36	<0.01	0.33	<0.001	<0.001			0.06		2.3
305936	CMCSH0702	0.001	<0.001	<0.001	<0.01	0.21	0.05	<0.001	0.11	0.37	<0.01	0.32	<0.001	<0.001			0.02		1.3
305937	CMCSH0702	0.001	<0.001	<0.001	<0.01	0.2	0.053	<0.001	0.06	0.47	<0.01	0.29	<0.001	<0.001			<0.01		2.8
305938	CMCSH0703	0.001	<0.001	<0.001	<0.01	0.23	0.053	<0.001	0.07	0.51	0.01	0.3	<0.001	<0.001			N.A.	N.A.	2.2
305939	CMCSH0703	0.005	<0.001	<0.001	<0.01	0.96	0.051	<0.001	0.09	0.34	<0.01	0.33	<0.001	<0.001			N.A.	N.A.	2.6
305941	CMCSH0703	0.003	<0.001	<0.001	<0.01	0.51	0.06	<0.001	0.06	0.34	<0.01	0.34	<0.001	<0.001			N.A.	N.A.	2.4
305942	CMCSH0703	0.001	<0.001	<0.001	<0.01	0.17	0.059	<0.001	0.02	0.32	<0.01	0.32	<0.001	<0.001			N.A.	N.A.	2.2
305943	CMCSH0703	<0.001	<0.001	0.002	<0.01	0.16	0.056	<0.001	0.08	0.31	<0.01	0.31	<0.001	<0.001			N.A.	N.A.	2.4
305944	CMCSH0703	<0.001	<0.001	0.004	<0.01	0.13	0.052	<0.001	0.05	0.28	<0.01	0.3	<0.001	<0.001			N.A.	N.A.	2.3
305946	CMCSH0703	<0.001	0.003	0.001	<0.01	0.15	0.044	<0.001	0.08	0.27	<0.01	0.3	0.001	<0.001			N.A.	N.A.	1.3
305947	CMCSH0703	<0.001	<0.001	<0.001	<0.01	1.24	0.051	<0.001	0.72	0.3	<0.01	0.33	<0.001	<0.001			N.A.	N.A.	1.9
305948	CMCSH0703	<0.001	0.007	0.012	<0.01	0.14	0.044	<0.001	0.05	0.29	<0.01	0.3	0.003	<0.001			N.A.	N.A.	1.5
305949	CMCSH0703	<0.001	0.004	<0.001	<0.01	0.15	0.052	<0.001	0.06	0.33	<0.01	0.35	0.002	<0.001			N.A.	N.A.	1.6
305951	CMCSH0703	<0.001	0.004	<0.001	<0.01	0.1	0.04	<0.001	0.03	0.3	<0.01	0.31	0.002	<0.001			N.A.	N.A.	1.4
305952	CMCSH0703	<0.001	0.011	0.016	<0.01	0.04	0.015	<0.001	0.03	0.21	<0.01	0.25	0.005	<0.001			N.A.	N.A.	1.2
305953	CMCSH0703	<0.001	0.002	<0.001	<0.01	0.08	0.034	<0.001	0.04	0.26	<0.01	0.32	<0.001	<0.001			N.A.	N.A.	1.3
305954	CMCSH0703	<0.001	0.068	0.265	<0.01	0.01	0.006	<0.001	0.01	0.09	<0.01	0.09	0.063	<0.001			0.25		2
305956	CMCSH0703	<0.001	0.001	0.006	<0.01	0.16	0.053	<0.001	0.09	0.28	<0.01	0.33	<0.001	<0.001			N.A.	N.A.	0.9
305957	CMCSH0703	<0.001	<0.001	0.002	<0.01	0.74	0.054	<0.001	0.41	0.3	<0.01	0.33	<0.001	<0.001			N.A.	N.A.	2.6
305958	CMCSH0703	<0.001	0.001	<0.001	<0.01	0.14	0.059	<0.001	0.03	0.32	<0.01	0.38	<0.001	<0.001			N.A.	N.A.	2.6
305959	CMCSH0703	<0.001	<0.001	<0.001	<0.01	0.16	0.058	<0.001	0.05	0.36	<0.01	0.37	<0.001	<0.001			N.A.	N.A.	2.6
305961	CMCSH0703	0.001	<0.001	<0.001	<0.01	0.27	0.021	<0.001	0.07	0.4	<0.01	0.23	<0.001	<0.001			0.01		1.8

Sample_ID	Ref_ID	7AR Sr% 0.001	7AR Cd% 0.001	7AR Sb% 0.001	7AR Bi% 0.01	7AR Ca% 0.01	7AR P% 0.001	7AR Cr% 0.001	7AR Mg% 0.01	7AR Al% 0.01	7AR Na% 0.01	7AR K% 0.01	7AR W% 0.001	7AR Hg% 0.001	7AR Ag GM/T 2	7AR Pb% 0.01	G6 AuGM/T 0.01	G7 AgGM/T <2	WTKG 0
305962	CMCSH0703	<0.001	0.002	<0.001	<0.01	0.07	0.014	<0.001	0.03	0.23	<0.01	0.17	<0.001	<0.001			0.01		0.7
305963	CMCSH0703	<0.001	<0.001	<0.001	<0.01	0.07	0.019	<0.001	0.03	0.31	<0.01	0.3	<0.001	<0.001			0.01		1.3
305964	CMCSH0703	0.007	<0.001	<0.001	<0.01	1.16	0.085	<0.001	0.19	0.44	<0.01	0.39	<0.001	<0.001			0.01		2.1
305966	CMCSH0703	0.008	<0.001	<0.001	<0.01	1.63	0.085	<0.001	0.29	0.42	<0.01	0.42	<0.001	<0.001			0.01		2.5
305967	CMCSH0703	0.005	<0.001	<0.001	<0.01	1.69	0.066	<0.001	0.61	0.38	<0.01	0.43	<0.001	<0.001			0.03		2.5
305968	CMCSH0703	0.006	<0.001	<0.001	<0.01	1.43	0.084	<0.001	0.26	0.42	<0.01	0.45	<0.001	<0.001			<0.01		2.1
305969	CMCSH0703	0.008	<0.001	<0.001	<0.01	1.28	0.072	<0.001	0.28	0.47	<0.01	0.49	<0.001	<0.001			<0.01		2.8
305971	CMCSH0703	<0.001	<0.001	0.001	<0.01	0.16	0.062	<0.001	0.07	0.44	<0.01	0.44	<0.001	<0.001			0.03		2.5
305972	CMCSH0703	0.001	<0.001	0.001	<0.01	0.31	0.07	<0.001	0.1	0.4	<0.01	0.4	<0.001	<0.001			0.01		2.6
305973	CMCSH0703	<0.001	<0.001	<0.001	<0.01	0.19	0.06	<0.001	0.08	0.37	<0.01	0.35	<0.001	<0.001			0.22		2.5
305974	CMCSH0703	<0.001	<0.001	<0.001	<0.01	0.24	0.073	<0.001	0.13	0.46	<0.01	0.39	<0.001	<0.001			0.01		2.2
305976	CMCSH0703	<0.001	<0.001	<0.001	<0.01	0.24	0.064	<0.001	0.16	0.37	<0.01	0.36	<0.001	<0.001			<0.01		2.7
305977	CMCSH0703	0.001	<0.001	0.001	<0.01	0.57	0.063	<0.001	0.25	0.39	<0.01	0.36	<0.001	<0.001			<0.01		2.7
305978	CMCSH0703	0.012	<0.001	<0.001	<0.01	2.52	0.071	<0.001	0.34	0.52	<0.01	0.33	<0.001	<0.001			<0.01		2.4
305979	CMCSH0703	0.005	<0.001	<0.001	<0.01	1	0.052	<0.001	0.22	0.43	<0.01	0.32	<0.001	<0.001			<0.01		2.4
305981	CMCSH0704	0.006	<0.001	<0.001	<0.01	0.92	0.034	<0.001	0.14	0.37	<0.01	0.3	<0.001	<0.001			N.A.	N.A.	2.4
305982	CMCSH0704	0.005	<0.001	<0.001	<0.01	0.83	0.026	<0.001	0.19	0.57	0.04	0.27	<0.001	<0.001			N.A.	N.A.	2.1
305983	CMCSH0704	0.001	<0.001	0.002	<0.01	0.32	0.041	<0.001	0.09	0.41	<0.01	0.33	<0.001	<0.001			N.A.	N.A.	2.7
305984	CMCSH0704	<0.001	0.004	<0.001	<0.01	0.15	0.044	<0.001	0.06	0.41	<0.01	0.37	<0.001	<0.001			N.A.	N.A.	2.1
305986	CMCSH0704	<0.001	0.003	0.002	<0.01	0.15	0.048	<0.001	0.12	0.38	<0.01	0.35	<0.001	<0.001			N.A.	N.A.	2.6
305987	CMCSH0704	<0.001	0.001	<0.001	<0.01	0.32	0.05	<0.001	0.15	0.39	<0.01	0.38	<0.001	<0.001			N.A.	N.A.	2.4
305988	CMCSH0704	0.009	<0.001	<0.001	<0.01	1.81	0.252	0.007	1.52	5.84	0.01	0.18	<0.001	<0.001			N.A.	N.A.	2.1
305989	CMCSH0704	<0.001	0.01	0.001	<0.01	0.09	0.033	<0.001	0.03	0.31	<0.01	0.28	<0.001	<0.001			N.A.	N.A.	1.3
305991	CMCSH0704	<0.001	<0.001	<0.001	<0.01	0.13	0.053	<0.001	0.06	0.46	<0.01	0.36	<0.001	<0.001			N.A.	N.A.	1.8
305992	CMCSH0704	<0.001	0.004	<0.001	<0.01	0.08	0.037	<0.001	0.04	0.29	<0.01	0.31	<0.001	<0.001			N.A.	N.A.	1.6
305993	CMCSH0704	<0.001	0.002	<0.001	<0.01	0.07	0.029	<0.001	0.03	0.25	<0.01	0.25	<0.001	<0.001			<0.01		1.4
305994	CMCSH0704	<0.001	0.041	0.018	<0.01	0.02	0.01	<0.001	<0.01	0.15	<0.01	0.14	<0.001	<0.001			N.A.	N.A.	1.6
305996	CMCSH0704	<0.001	0.002	<0.001	<0.01	0.35	0.048	<0.001	0.18	0.3	<0.01	0.27	<0.001	<0.001			N.A.	N.A.	1.5
305997	CMCSH0704	0.001	<0.001	<0.001	<0.01	1.02	0.056	<0.001	0.57	0.38	<0.01	0.32	<0.001	<0.001			N.A.	N.A.	2.3
305998	CMCSH0704	0.002	<0.001	<0.001	<0.01	0.48	0.048	<0.001	0.21	1.03	<0.01	0.29	<0.001	<0.001			N.A.	N.A.	2.5
305999	CMCSH0704	0.003	<0.001	0.001	<0.01	0.71	0.05	<0.001	0.14	0.52	<0.01	0.26	<0.001	<0.001			N.A.	N.A.	2.4
701001	CMCSH0705	0.012	0.002	<0.001	0.03	11.9	0.081	<0.001	0.17	0.85	0.004	0.076	0.017	<0.001					
701002	CMCSH0705	0.003	<0.001	<0.001	<0.01	11.25	0.052	0.011	1.17	1.97	0.003	0.043	0.007	<0.001					
701003	CMCSH0705	<0.001	0.001	<0.001	0.03	12.98	0.033	0.007	0.49	2.07	0.001	0.025	0.008	<0.001					
701004	CMCSH0705	<0.001	0.095	0.042	<0.01	0.34	0.008	<0.001	0.08	0.42	0.002	0.091	0.089	<0.001	745				
701006	CMCSH0705	<0.001	0.005	0.001	<0.01	5.73	0.015	<0.001	0.23	1.24	0.001	0.094	0.011	<0.001					
701007	CMCSH0705	0.004	<0.001	<0.001	<0.01	12.29	0.017	0.001	0.31	2.06	0.002	0.075	0.057	<0.001					
701008	CMCSH0705	<0.001	0.01	0.017	<0.01	0.39	0.012	<0.001	0.39	0.44	0.007	0.344	0.04	<0.001					
701009	CMCSH0705	0.012	<0.001	<0.001	<0.01	10.81	0.051	0.004	0.66	1.88	0.003	0.081	0.003	<0.001					
701011	CMCSH0705	0.022	<0.001	<0.001	<0.01	6.96	0.042	0.005	1.14	2.54	0.007	0.309	0.002	<0.001					
701012	CMCSH0705	0.009	<0.001	<0.001	<0.01	3.05	0.082	0.005	1.11	2.94	0.107	0.378	0.022	<0.001					
701013	CMCSH0705	0.012	<0.001	<0.001	<0.01	1.99	0.058	0.005	1.08	3.46	0.21	0.312	0.062	<0.001					
701014	CMCSH0705	0.025	<0.001	<0.001	<0.01	2.82	0.033	0.005	0.97	4.8	0.466	0.177	0.089	<0.001					
701016	CMCSH0705	0.013	<0.001	<0.001	<0.01	2.06	0.089	0.006	1.25	3.51	0.235	0.437	0.024	<0.001					
701017	CMCSH0705	0.011	<0.001	<0.001	<0.01	1.51	0.049	0.005	1.18	2.86	0.115	0.468	0.002	<0.001					
701018	CMCSH0705	0.04	<0.001	<0.001	<0.01	3.37	0.039	0.005	0.91	5.33	0.514	0.311	0.01	<0.001					
701019	CMCSH0705	0.019	<0.001	<0.001	<0.01	1.53	0.029	0.006	1.19	2.77	0.144	0.237	0.006	<0.001					
701021	CMCSH0705	0.037	<0.001	<0.001	<0.01	3.21	0.032	0.005	0.68	4.85	0.551	0.165	0.096	<0.001					
701022	CMCSH0705	0.027	<0.001	<0.001	<0.01	3.18	0.027	0.005	0.93	4.11	0.333	0.458	0.003	<0.001					

Sample_ID	Ref_ID	7AR Sr% 0.001	7AR Cd% 0.001	7AR Sb% 0.001	7AR Bi% 0.01	7AR Ca% 0.01	7AR P% 0.001	7AR Cr% 0.001	7AR Mg% 0.01	7AR Al% 0.01	7AR Na% 0.01	7AR K% 0.01	7AR W% 0.001	7AR Hg% 0.001	7AR Ag GM/T 2	7AR Pb% 0.01	G6 AuGM/T 0.01	G7 AgGM/T <2	WTKG 0
701023	CMCSH0705	0.014	<0.001	<0.001	<0.01	7.81	0.039	0.003	0.65	2.64	0.079	0.143	0.028	<0.001					
701024	CMCSH0705	0.008	<0.001	<0.001	<0.01	9.79	0.022	0.003	0.37	2.01	0.008	0.012	0.158	<0.001					
701026	CMCSH0705	0.009	<0.001	<0.001	<0.01	15.08	0.02	<0.001	0.18	1.79	0.005	0.067	0.191	<0.001					
701027	CMCSH0705	0.003	<0.001	<0.001	<0.01	14.32	0.068	0.001	0.09	1.76	0.003	0.015	0.022	<0.001					
701028	CMCSH0705	0.003	<0.001	<0.001	<0.01	13.76	0.023	0.001	0.13	1.86	0.007	0.015	0.006	<0.001					
701029	CMCSH0705	0.005	<0.001	<0.001	<0.01	15.93	0.029	0.002	0.14	1.78	0.003	0.017	0.008	<0.001					
701031	CMCSH0705	0.008	<0.001	<0.001	0.01	16.89	0.049	0.002	0.15	1.78	0.002	0.026	0.336	<0.001					
701032	CMCSH0705	0.008	<0.001	<0.001	<0.01	18.14	0.154	0.002	0.16	2.11	0.002	0.013	0.146	<0.001					
701033	CMCSH0705	0.007	<0.001	<0.001	<0.01	11.61	0.02	0.003	0.35	2.29	0.003	0.019	0.059	<0.001					
701034	CMCSH0706	0.006	<0.001	<0.001	<0.01	25.44	0.103	0.002	0.58	0.73	0.003	0.005	0.018	<0.001					
701036	CMCSH0706	0.003	0.005	0.001	0.03	9.04	0.047	<0.001	0.19	0.74	0.002	0.057	0.046	<0.001					
701037	CMCSH0706	0.002	<0.001	<0.001	0.03	11.79	0.027	0.001	0.14	1.12	0.002	0.022	0.056	<0.001					
701038	CMCSH0706	0.002	<0.001	<0.001	0.02	10.77	0.049	0.003	0.19	1.16	0.003	0.015	0.018	<0.001					
701039	CMCSH0706	0.002	<0.001	<0.001	<0.01	9.79	0.037	0.002	0.19	1.13	0.002	0.015	0.004	<0.001					
701041	CMCSH0706	0.002	<0.001	<0.001	0.04	11.79	0.023	<0.001	0.09	1.07	0.002	0.016	0.006	<0.001					
701042	CMCSH0706	0.002	<0.001	<0.001	0.07	10.23	0.044	0.002	0.07	0.79	0.002	0.011	0.056	<0.001					
701043	CMCSH0706	0.003	<0.001	<0.001	0.02	11.18	0.019	0.001	0.14	1.09	0.002	0.034	0.051	<0.001					
701044	CMCSH0706	0.003	<0.001	<0.001	0.03	10.69	0.022	0.001	0.23	1.21	0.003	0.048	0.017	<0.001					
701046	CMCSH0706	0.003	<0.001	<0.001	0.02	12.73	0.049	0.001	0.17	1.11	0.002	0.028	0.008	<0.001					
701047	CMCSH0706	0.003	<0.001	<0.001	0.03	13.12	0.035	0.001	0.29	1.33	0.002	0.029	0.016	<0.001					
701048	CMCSH0706	0.002	<0.001	<0.001	<0.01	12.84	0.017	<0.001	0.28	2.11	0.003	0.004	0.182	<0.001					
701049	CMCSH0706	0.002	0.077	0.029	<0.01	1.47	0.004	<0.001	0.2	0.32	0.005	0.176	<0.001	<0.001	596				
701051	CMCSH0706	<0.001	0.011	0.002	<0.01	0.18	0.045	0.003	0.17	0.7	0.008	0.455	0.002	<0.001					
701052	CMCSH0706	0.004	0.002	0.003	<0.01	3	0.029	0.002	0.57	0.72	0.007	0.547	<0.001	<0.001					
701053	CMCSH0706	0.018	<0.001	<0.001	<0.01	4.94	0.033	0.005	0.86	3.55	0.252	0.306	<0.001	<0.001					
701054	CMCSH0706	0.016	<0.001	<0.001	<0.01	2.59	0.038	0.005	0.9	3.48	0.273	0.379	<0.001	<0.001					
701056	CMCSH0706	0.014	<0.001	<0.001	<0.01	12.76	0.041	0.003	0.74	2.23	0.005	0.071	0.207	<0.001					
701057	CMCSH0706	0.035	<0.001	<0.001	<0.01	21.9	0.018	<0.001	0.34	1.24	0.002	0.007	0.071	<0.001					
701058	CMCSH0706	0.011	<0.001	<0.001	<0.01	15.7	0.055	0.002	0.43	2.19	0.004	0.007	0.18	<0.001					
701059	CMCSH0706	0.014	<0.001	0.002	<0.01	4.12	0.042	0.002	0.97	0.93	0.009	0.396	0.007	<0.001					
701061	CMCSH0706	0.004	<0.001	<0.001	<0.01	0.97	0.045	0.004	1.02	1.33	0.019	0.362	0.03	<0.001					
701062	CMCSH0706	0.005	<0.001	<0.001	<0.01	0.87	0.033	0.004	1.34	2.32	0.026	0.398	<0.001	<0.001					
701063	CMCSH0706	0.006	<0.001	<0.001	<0.01	1.28	0.043	0.006	1.19	1.88	0.024	0.355	0.002	<0.001					
701064	CMCSH0707	0.004	0.002	0.004	<0.01	1.11	0.1	0.003	0.61	1.31	0.023	0.558	0.005	<0.001					
701066	CMCSH0707	0.02	<0.001	<0.001	<0.01	3.77	0.055	0.005	0.88	2.55	0.148	0.385	0.007	<0.001					
701067	CMCSH0707	0.024	0.002	0.002	<0.01	6.03	0.035	0.005	1.24	2.43	0.18	0.342	0.028	<0.001					
701068	CMCSH0707	0.028	<0.001	<0.001	<0.01	5.6	0.032	0.003	0.67	2.36	0.234	0.299	0.004	<0.001					
701069	CMCSH0707	0.027	<0.001	<0.001	<0.01	5.41	0.036	0.006	0.85	3.28	0.236	0.184	0.018	<0.001					
701071	CMCSH0707	0.013	<0.001	0.001	<0.01	6.92	0.048	0.003	0.53	1.6	0.022	0.381	0.21	<0.001					
701072	CMCSH0707	0.004	0.004	0.015	<0.01	1.61	0.252	0.001	0.34	0.76	0.01	0.544	0.036	<0.001					
701073	CMCSH0707	0.037	<0.001	<0.001	<0.01	7.95	0.06	0.006	0.93	3.58	0.23	0.279	0.012	<0.001					
701074	CMCSH0707	0.016	<0.001	<0.001	<0.01	11.89	0.109	0.002	0.59	1.98	0.005	0.208	0.254	<0.001					
701076	CMCSH0707	0.014	0.015	0.099	<0.01	10.16	0.082	<0.001	0.35	1.07	0.005	0.147	0.023	<0.001	849				
701077	CMCSH0707	0.009	<0.001	<0.001	<0.01	14.49	0.023	0.005	1.22	2.35	0.016	0.037	0.005	<0.001					
701078	CMCSH0707	0.003	0.016	0.251	<0.01	4.48	0.006	<0.001	0.18	0.58	0.004	0.045	0.009	<0.001	3806				
701079	CMCSH0707	0.003	<0.001	<0.001	<0.01	15.97	0.022	0.003	0.34	2.06	0.005	0.012	0.042	<0.001					
701081	CMCSH0707	0.005	<0.001	0.002	<0.01	17.01	0.015	0.002	0.31	2.29	0.005	0.015	0.055	<0.001					
701082	CMCSH0707	0.006	<0.001	<0.001	<0.01	8.31	0.043	0.005	0.64	2.2	0.003	0.005	0.009	<0.001					
701083	CMCSH0707	0.009	0.002	<0.001	<0.01	8.82	0.075	0.003	0.61	2.58	0.004	0.067	0.014	<0.001					



Sample_ID	Ref_ID	7AR Sr% 0.001	7AR Cd% 0.001	7AR Sb% 0.001	7AR Bi% 0.01	7AR Ca% 0.01	7AR P% 0.001	7AR Cr% 0.001	7AR Mg% 0.01	7AR Al% 0.01	7AR Na% 0.01	7AR K% 0.01	7AR W% 0.001	7AR Hg% 0.001	7AR Ag GM/T 2	7AR Pb% 0.01	G6 AuGM/T 0.01	G7 AgGM/T <2	WTKG 0
701084	CMCSH0707	0.006	<0.001	<0.001	<0.01	11.35	0.08	0.003	0.58	2.85	0.007	0.014	0.025	<0.001					
701086	CMCSH0707	0.009	<0.001	<0.001	<0.01	7.73	0.052	0.005	0.99	2.37	0.015	0.125	<0.001	<0.001					
701087	CMCSH0707	0.012	<0.001	<0.001	<0.01	9.76	0.022	0.003	0.6	3.08	0.023	0.027	0.015	<0.001					
701088	CMCSH0707	0.013	0.009	0.059	<0.01	7.64	0.022	0.003	0.53	2.09	0.016	0.375	<0.001	<0.001	473				
701089	CMCSH0707	0.069	<0.001	<0.001	<0.01	8.63	0.034	0.003	0.6	4.47	0.097	0.058	0.003	<0.001					
701091	CMCSH0707	0.011	<0.001	<0.001	<0.01	19.81	0.07	<0.001	0.24	1.48	0.005	0.024	0.015	<0.001					
701092	CMCSH0707	0.004	<0.001	<0.001	<0.01	19.04	0.028	0.002	0.17	1.69	0.006	0.015	0.003	<0.001					
701093	CMCSH0707	0.019	<0.001	<0.001	<0.01	7.63	0.075	0.003	0.41	4.14	0.155	0.077	0.021	<0.001					
701094	CMCSH0707	0.009	<0.001	<0.001	<0.01	1.62	0.172	0.002	1.08	1.84	0.029	0.94	<0.001	<0.001					
701096	CMCSH0707	0.006	<0.001	<0.001	<0.01	0.8	0.033	0.003	1.12	1.74	0.032	0.713	<0.001	<0.001					
701097	CMCSH0707	0.005	<0.001	<0.001	<0.01	0.67	0.028	0.005	1.51	3.28	0.03	0.974	<0.001	<0.001					
701098	CMCSH0707	0.016	<0.001	<0.001	<0.01	3.02	0.03	<0.001	0.9	0.75	0.015	0.484	<0.001	<0.001					
701099	CMCSH0707	0.023	<0.001	<0.001	<0.01	4.2	0.049	<0.001	0.76	0.9	0.007	0.501	<0.001	<0.001					
701101	CMCSH0708	0.021	<0.001	<0.001	<0.01	3.62	0.029	0.005	0.69	1.86	0.116	0.878	<0.001	<0.001					
701102	CMCSH0708	0.012	<0.001	<0.001	<0.01	2.09	0.106	0.011	0.94	2.62	0.169	0.74	<0.001	<0.001					
701103	CMCSH0708	0.007	<0.001	<0.001	<0.01	1.23	0.028	0.008	1.34	2.53	0.136	0.976	<0.001	<0.001					
701104	CMCSH0708	0.008	<0.001	0.001	<0.01	2.09	0.021	0.01	0.69	2.33	0.111	0.736	<0.001	<0.001					
701106	CMCSH0708	0.019	<0.001	<0.001	<0.01	2.74	0.025	0.01	0.8	2.49	0.262	0.567	0.003	<0.001					
701107	CMCSH0708	0.014	<0.001	<0.001	<0.01	2.3	0.019	0.005	0.86	1.83	0.308	0.38	0.003	<0.001					
701108	CMCSH0708	0.012	<0.001	0.001	<0.01	2.52	0.034	0.01	0.79	1.94	0.179	0.652	<0.001	<0.001					
701109	CMCSH0708	0.008	<0.001	0.003	<0.01	1.97	0.024	0.004	0.72	1.79	0.045	0.969	<0.001	<0.001					
701111	CMCSH0708	0.004	0.007	0.007	<0.01	1.75	0.025	0.006	0.53	2.09	0.014	1.177	<0.001	<0.001					
701112	CMCSH0708	0.008	<0.001	<0.001	<0.01	5.78	0.036	0.005	0.63	1.58	0.055	0.165	0.001	<0.001					
701113	CMCSH0708	0.006	0.002	0.006	<0.01	2.31	0.031	0.007	0.53	2.08	0.016	1.216	<0.001	<0.001					
701114	CMCSH0708	0.01	<0.001	0.003	<0.01	3.34	0.051	0.005	0.84	1.12	0.031	0.552	<0.001	<0.001					
701116	CMCSH0708	0.011	<0.001	0.006	<0.01	4.24	0.022	0.004	0.81	0.73	0.005	0.48	<0.001	<0.001					
701117	CMCSH0708	0.014	<0.001	0.001	<0.01	4.39	0.026	0.003	1.11	1.07	0.017	0.438	<0.001	<0.001					
701118	CMCSH0708	0.001	0.001	<0.001	<0.01	0.4	0.026	0.004	0.38	0.49	0.003	0.4	0.002	<0.001					
701119	CMCSH0708	<0.001	0.006	<0.001	<0.01	0.21	0.022	<0.001	0.22	0.38	0.003	0.322	0.002	<0.001					
701121	CMCSH0708	<0.001	0.031	0.007	<0.01	0.34	0.09	0.004	0.27	0.54	0.002	0.35	0.023	<0.001					
701122	CMCSH0708	<0.001	0.007	0.006	<0.01	0.21	0.016	<0.001	0.21	0.42	0.004	0.306	0.008	<0.001					
701123	CMCSH0708	0.01	<0.001	<0.001	<0.01	14	0.018	0.005	0.46	2.9	0.002	0.074	0.003	<0.001					
701124	CMCSH0708	0.007	<0.001	<0.001	<0.01	11.2	0.023	0.004	0.45	2.5	0.002	0.02	0.003	<0.001					
701126	CMCSH0708	0.005	0.028	0.195	<0.01	3.53	0.032	0.002	0.22	0.73	0.002	0.061	0.015	<0.001	2055	40.98			
701127	CMCSH0708	0.012	<0.001	0.001	<0.01	11.45	0.087	0.006	0.93	2.25	0.003	0.12	<0.001	<0.001					
701128	CMCSH0708	0.004	0.03	0.003	0.05	1.33	0.01	<0.001	0.28	0.18	0.002	0.059	0.017	<0.001					
701129	CMCSH0708	<0.001	0.031	0.002	<0.01	0.32	<0.001	0.003	0.28	0.11	0.002	0.05	0.013	<0.001					
701131	CMCSH0708	<0.001	0.014	<0.001	<0.01	0.24	0.01	<0.001	0.32	0.17	0.003	0.098	0.008	<0.001					
701132	CMCSH0708	<0.001	0.009	<0.001	<0.01	0.18	<0.001	<0.001	0.33	0.09	0.001	0.042	0.007	<0.001					
701133	CMCSH0708	<0.001	0.008	<0.001	<0.01	0.14	<0.001	<0.001	0.31	0.09	0.001	0.046	0.006	<0.001					
701134	CMCSH0708	<0.001	0.01	0.002	<0.01	0.16	0.009	<0.001	0.29	0.12	0.006	0.064	<0.001	<0.001					
701136	CMCSH0708	<0.001	0.011	<0.001	<0.01	0.27	0.042	<0.001	0.3	0.14	0.006	0.055	<0.001	<0.001					
701137	CMCSH0708	<0.001	0.014	0.003	<0.01	0.34	0.052	<0.001	0.33	0.12	0.005	0.059	<0.001	<0.001					
701138	CMCSH0708	<0.001	0.009	<0.001	<0.01	0.19	0.016	<0.001	0.29	0.13	0.006	0.056	<0.001	<0.001					
701139	CMCSH0708	<0.001	0.048	0.006	<0.01	0.18	0.026	<0.001	0.23	0.15	0.005	0.027	<0.001	<0.001					
701141	CMCSH0708	<0.001	0.008	<0.001	<0.01	0.22	0.026	<0.001	0.27	0.14	0.002	0.02	0.004	<0.001					
701142	CMCSH0708	<0.001	0.008	<0.001	<0.01	0.21	0.023	<0.001	0.28	0.11	0.003	0.034	0.006	<0.001					
701143	CMCSH0708	<0.001	0.006	<0.001	<0.01	0.19	0.014	<0.001	0.3	0.06	0.004	0.021	0.001	<0.001					
701144	CMCSH0708	0.076	0.003	<0.001	<0.01	13.75	0.011	<0.001	0.2	0.14	0.002	0.017	0.001	<0.001					

Sample_ID	Ref_ID	7AR Sr% 0.001	7AR Cd% 0.001	7AR Sb% 0.001	7AR Bi% 0.01	7AR Ca% 0.01	7AR P% 0.001	7AR Cr% 0.001	7AR Mg% 0.01	7AR Al% 0.01	7AR Na% 0.01	7AR K% 0.01	7AR W% 0.001	7AR Hg% 0.001	7AR Ag GM/T 2	7AR Pb% 0.01	G6 AuGM/T 0.01	G7 AgGM/T <2	WTKG 0
701146	CMCSH0708	0.007	0.002	<0.001	<0.01	0.36	0.012	<0.001	0.37	0.07	0.006	0.042	0.002	<0.001					
701147	CMCSH0708	<0.001	0.008	<0.001	<0.01	0.46	0.022	<0.001	0.36	0.11	0.005	0.052	0.004	<0.001					
701148	CMCSH0708	<0.001	0.008	<0.001	<0.01	0.18	0.011	<0.001	0.31	0.15	0.004	0.072	0.004	<0.001					
701149	CMCSH0708	0.002	0.01	<0.001	<0.01	0.7	0.053	<0.001	0.37	0.31	0.006	0.176	<0.001	<0.001					
701151	CMCSH0708	0.008	<0.001	<0.001	<0.01	9.39	0.021	0.009	0.3	1.99	0.004	0.054	0.182	<0.001					
701152	CMCSH0709	0.024	<0.001	<0.001	<0.01	10.63	0.054	0.005	0.35	1.63	0.006	0.045	0.005	<0.001					
701153	CMCSH0709	0.006	0.001	<0.001	<0.01	8.78	0.14	0.009	0.26	2.24	0.001	0.036	0.003	<0.001					
701154	CMCSH0709	0.004	0.002	<0.001	<0.01	6.85	0.108	0.009	0.27	2.4	0.001	0.085	<0.001	<0.001					
701156	CMCSH0709	0.005	0.001	<0.001	<0.01	8.7	0.069	0.008	0.36	2.52	0.001	0.061	<0.001	<0.001					
701157	CMCSH0709	0.008	<0.001	<0.001	<0.01	7.23	0.1	0.005	0.33	1.84	0.004	0.062	<0.001	<0.001					
701158	CMCSH0709	0.055	<0.001	<0.001	<0.01	16.12	0.061	0.005	0.25	1.15	<0.001	0.014	0.001	<0.001					
701159	CMCSH0709	0.135	<0.001	<0.001	<0.01	31.97	0.035	<0.001	0.12	0.31	<0.001	0.015	<0.001	<0.001					
701161	CMCSH0709	0.106	<0.001	<0.001	<0.01	28.56	0.045	0.004	0.14	0.24	0.001	0.046	<0.001	<0.001					
701162	CMCSH0709	0.032	0.012	0.001	<0.01	3.69	0.029	0.002	0.03	0.52	0.004	0.112	<0.001	<0.001					
701163	CMCSH0709	0.016	0.019	0.004	<0.01	0.51	0.044	0.002	0.02	0.55	0.004	0.104	0.002	<0.001					
701164	CMCSH0709	0.003	0.005	0.01	<0.01	0.28	0.077	0.006	0.05	1.13	0.003	0.143	0.005	<0.001					
701166	CMCSH0709	0.022	0.016	0.001	<0.01	0.2	0.083	0.009	0.06	0.91	0.008	0.485	<0.001	<0.001					
701167	CMCSH0709	0.027	0.018	<0.001	<0.01	1.19	0.119	0.008	0.78	0.86	0.006	0.254	0.006	<0.001					
701168	CMCSH0709	0.031	0.008	0.002	<0.01	2.33	0.225	0.003	0.82	2.15	0.071	0.077	0.015	<0.001					
701169	CMCSH0709	0.027	0.002	<0.001	<0.01	4.58	0.149	0.009	0.41	2.23	0.107	0.065	0.003	<0.001					
701171	CMCSH0709	0.031	0.002	<0.001	<0.01	2.76	0.091	0.005	0.39	1.98	0.078	0.126	0.001	<0.001					
701172	CMCSH0709	0.014	<0.001	<0.001	<0.01	3.8	0.123	0.014	0.63	3.27	0.042	0.121	<0.001	<0.001					
701173	CMCSH0709	0.029	0.002	<0.001	<0.01	2.54	0.148	0.017	1.42	2.49	0.128	0.181	<0.001	<0.001					
701174	CMCSH0709	0.009	<0.001	<0.001	<0.01	7.27	0.129	0.007	0.26	1.8	0.014	0.013	<0.001	<0.001					
701176	CMCSH0709	0.007	<0.001	<0.001	<0.01	8.47	0.094	0.006	0.2	1.69	0.006	0.003	0.01	<0.001					
701177	CMCSH0709	0.031	<0.001	<0.001	<0.01	16.16	0.042	0.008	0.36	1.29	0.006	0.01	0.005	<0.001					
701178	CMCSH0709	0.044	0.004	0.001	<0.01	13.3	0.068	0.007	0.35	1.4	0.008	0.044	0.001	<0.001					
701179	CMCSH0709	0.004	<0.001	<0.001	<0.01	7.94	0.027	0.013	0.14	2.14	0.005	0.003	<0.001	<0.001					
701181	CMCSH0709	0.105	<0.001	<0.001	<0.01	16.46	0.031	0.008	0.14	1.22	0.004	0.007	<0.001	<0.001					
701182	CMCSH0709	0.141	0.002	<0.001	<0.01	27.91	0.071	<0.001	0.08	0.43	0.032	0.019	<0.001	<0.001					
701183	CMCSH0709	0.009	0.015	<0.001	<0.01	8.92	0.04	0.011	0.15	1.86	0.003	0.008	0.007	<0.001					
701184	CMCSH0709	0.004	<0.001	<0.001	<0.01	8.48	0.057	0.006	0.18	1.84	0.007	0.003	0.001	<0.001					
701186	CMCSH0709	0.003	<0.001	<0.001	<0.01	8.49	0.044	0.006	0.18	2.01	0.004	0.002	<0.001	<0.001					
701187	CMCSH0709	0.004	<0.001	<0.001	<0.01	9.58	0.037	0.008	0.23	1.96	0.004	0.002	0.007	<0.001					
701188	CMCSH0709	0.004	<0.001	<0.001	<0.01	8.29	0.048	0.005	0.22	2.16	0.004	0.033	0.002	<0.001					
701189	CMCSH0709	0.004	<0.001	<0.001	<0.01	8.05	0.028	0.008	0.22	2.15	0.004	0.004	0.015	<0.001					
701191	CMCSH0709	0.005	<0.001	<0.001	<0.01	8.33	0.051	0.006	0.28	2.09	0.007	0.005	<0.001	<0.001					
701192	CMCSH0709	0.009	<0.001	<0.001	<0.01	7.15	0.051	0.01	0.26	2.35	0.036	0.041	<0.001	<0.001					
701193	CMCSH0709	0.016	<0.001	<0.001	<0.01	5.4	0.044	0.008	0.58	2.29	0.037	0.164	<0.001	<0.001					
701194	CMCSH0709	0.047	<0.001	<0.001	<0.01	1.73	0.035	0.009	1.1	2.7	0.104	0.703	0.048	<0.001					
701196	CMCSH0709	0.026	<0.001	<0.001	<0.01	1.27	0.036	0.009	1.03	2.62	0.14	0.777	<0.001	<0.001					
701197	CMCSH0709	0.026	<0.001	<0.001	<0.01	3.4	0.019	0.005	0.68	1.93	0.062	0.303	<0.001	<0.001					
701198	CMCSH0709	0.026	<0.001	<0.001	<0.01	1.65	0.033	0.008	0.71	2.31	0.1	0.687	<0.001	<0.001					
701199	CMCSH0709	0.02	<0.001	<0.001	<0.01	0.86	0.051	0.005	1.14	2.99	0.052	1.009	<0.001	<0.001					
701201	CMCSH0709	0.05	<0.001	<0.001	<0.01	6.78	0.047	0.006	0.2	1.86	0.031	0.139	0.002	<0.001					
701202	CMCSH0709	0.041	<0.001	<0.001	<0.01	6.39	0.047	0.004	0.85	2.17	0.052	0.112	<0.001	<0.001					
701203	CMCSH0710	0.029	<0.001	<0.001	<0.01	18.68	0.027	0.006	0.29	1.13	0.002	0.008	0.001	<0.001					
701204	CMCSH0710	0.031	<0.001	<0.001	<0.01	3.84	0.111	0.005	0.31	2.56	0.121	0.094	<0.001	<0.001					
701206	CMCSH0710	0.041	<0.001	<0.001	<0.01	10.77	0.132	0.006	0.52	2.64	0.021	0.04	<0.001	<0.001					

Sample_ID	Ref_ID	7AR Sr% 0.001	7AR Cd% 0.001	7AR Sb% 0.001	7AR Bi% 0.01	7AR Ca% 0.01	7AR P% 0.001	7AR Cr% 0.001	7AR Mg% 0.01	7AR Al% 0.01	7AR Na% 0.01	7AR K% 0.01	7AR W% 0.001	7AR Hg% 0.001	7AR Ag GM/T 2	7AR Pb% 0.01	G6 AuGM/T 0.01	G7 AgGM/T <2	WTKG 0
701207	CMCSH0710	0.074	<0.001	<0.001	<0.01	21.93	0.057	0.002	0.21	0.7	0.012	0.053	0.002	<0.001					
701208	CMCSH0710	0.06	0.001	<0.001	<0.01	21.68	0.059	0.004	0.24	0.93	0.004	0.046	0.032	<0.001					
701209	CMCSH0710	0.007	0.016	0.001	0.03	6.4	0.055	0.003	0.21	1.1	0.006	0.009	0.051	<0.001					
701211	CMCSH0710	0.014	0.006	<0.001	0.02	6.48	0.09	0.004	0.31	1.38	0.004	0.215	0.038	<0.001					
701212	CMCSH0710	0.01	0.004	<0.001	<0.01	5.36	0.134	0.006	1.27	2.02	0.015	0.109	0.008	<0.001					
701213	CMCSH0710	0.033	<0.001	<0.001	<0.01	3.59	0.051	0.007	0.46	2.62	0.182	0.193	0.001	<0.001					
701214	CMCSH0711	0.014	0.001	<0.001	0.01	13.97	0.038	0.004	0.16	1.72	0.006	0.023	0.004	<0.001					
701216	CMCSH0711	0.009	0.017	<0.001	0.06	21.66	0.054	0.002	0.08	0.89	0.002	0.009	0.011	<0.001					
701217	CMCSH0711	0.054	<0.001	<0.001	<0.01	15.83	0.051	0.004	0.4	1.05	0.008	0.011	<0.001	<0.001					
701218	CMCSH0711	0.021	0.001	<0.001	<0.01	6.69	0.088	0.011	1.59	1.53	0.01	0.369	<0.001	<0.001					
701219	CMCSH0711	0.072	<0.001	<0.001	<0.01	13.59	0.047	0.005	0.18	1.02	0.005	0.054	0.002	<0.001					
701221	CMCSH0711	0.029	0.012	<0.001	0.01	20.74	0.066	0.002	0.51	1.54	0.011	0.065	0.011	<0.001					
701222	CMCSH0711	0.033	<0.001	<0.001	<0.01	26.49	0.028	0.003	0.28	2.34	0.017	0.094	0.025	<0.001					
701223	CMCSH0711	0.032	<0.001	0.001	<0.01	26.57	0.025	0.002	0.38	3.01	0.011	0.034	0.006	<0.001					
701224	CMCSH0711	0.032	<0.001	<0.001	<0.01	23.32	0.036	0.004	0.4	2.89	0.011	0.017	0.053	<0.001					
701226	CMCSH0711	0.029	0.002	<0.001	<0.01	21.55	0.057	0.002	0.38	1.36	0.013	0.153	0.011	<0.001					
701227	CMCSH0711	0.102	0.003	<0.001	<0.01	25.75	0.063	0.001	0.91	0.79	0.016	0.12	0.003	<0.001					
701228	CMCSH0711	0.078	<0.001	0.001	<0.01	8.13	0.046	0.004	0.41	2.82	0.127	0.178	0.054	<0.001					
701229	CMCSH0711	0.023	<0.001	<0.001	<0.01	11.5	0.049	0.005	0.35	2.34	0.02	0.033	0.009	<0.001					
701231	CMCSH0711	0.036	<0.001	<0.001	<0.01	2.08	0.041	0.008	1.14	2.78	0.22	0.673	<0.001	<0.001					
701232	CMCSH0711	0.037	<0.001	<0.001	<0.01	4.77	0.053	0.004	0.38	1.58	0.105	0.053	0.001	<0.001					
701233	CMCSH0711	0.05	<0.001	<0.001	<0.01	3.85	0.058	0.005	0.38	1.6	0.147	0.094	<0.001	<0.001					
701234	CMCSH0711	0.062	<0.001	<0.001	<0.01	1.78	0.045	0.006	0.57	2.36	0.348	0.196	<0.001	<0.001					
701236	CMCSH0711	0.054	<0.001	<0.001	<0.01	13.43	0.039	0.004	0.56	1.65	0.03	0.182	<0.001	<0.001					
701237	CMCSH0711	0.019	<0.001	<0.001	<0.01	9.95	0.04	0.004	1.31	1.53	0.01	0.116	0.009	<0.001					
701238	CMCSH0711	0.07	<0.001	<0.001	<0.01	4.27	0.05	0.007	1.24	3.29	0.053	0.573	<0.001	<0.001					
701239	CMCSH0711	0.013	<0.001	0.003	<0.01	5.17	0.045	0.005	0.83	2.7	0.038	0.639	0.002	<0.001					
701241	CMCSH0711	0.076	<0.001	<0.001	<0.01	16.41	0.072	0.005	0.47	1.98	0.007	0.218	0.001	<0.001					
701242	CMCSH0711	0.028	0.004	0.007	<0.01	12.15	0.045	0.002	0.65	1.31	0.006	0.386	0.002	<0.001	5.71				
701243	CMCSH0711	0.031	<0.001	<0.001	<0.01	8.44	0.052	0.003	0.45	1.81	0.007	0.761	0.003	<0.001					
701244	CMCSH0711	0.032	<0.001	<0.001	<0.01	5.24	0.055	0.004	0.72	2.02	0.092	0.574	<0.001	<0.001					
701246	CMCSH0711	0.014	<0.001	<0.001	<0.01	1.74	0.056	0.004	0.71	2.32	0.148	0.572	0.002	<0.001					
701247	FA07056	0.004	0.005	0.001	<.01	0.21	0.049	0.001	0.04	0.49	0.01	0.39	<.001	<.001			0.01	14	1.6
701248	FA07056	0.001	0.001	0.309	<.01	<.01	0.001	<.001	<.01	0.01	<.01	<.01	<.001	<.001			0.03	3188	2
701249	FA07056	0.038	0.01	0.003	<.01	8.77	0.019	0.001	0.19	0.45	0.01	0.34	0.007	0.001			0.13	41	1.7
701251	FA07067	0.018	<.001	0.011	0.01	2.01	0.026	0.002	0.3	3.51	0.17	0.08	0.004	<.001			0.07	94	1.1
701252	FA07078	0.013	0.001	0.108	<.01	0.07	0.019	<.001	<.01	0.05	<.01	0.03	<.001	<.001			0.03	1510	1.6
701253	FA07113	0.016	0.015	0.005	<.01	2.67	0.022	0.001	0.26	0.4	<.01	0.17	0.01	<.001			0.01	30	2.6
701254	FA07112	0.026	0.005	0.002	<.01	0.92	0.041	<.001	0.04	0.41	0.01	0.15	0.013	<.001			<.01	39	2.1
701256	FA07111	0.022	0.007	<.001	<.01	0.18	0.046	0.001	0.02	0.23	0.01	0.1	<.001	<.001			0.02	14	2.3
701257	FA07110	0.01	0.014	0.005	<.01	0.29	0.045	0.001	0.13	0.67	<.01	0.08	0.004	<.001			0.03	111	5.4
701258	FA07110	0.009	0.024	0.014	<.01	0.07	0.051	0.001	0.02	0.24	<.01	0.06	0.003	0.001			0.02	240	5.3
701259	FA07110	0.013	0.009	0.006	<.01	0.09	0.035	<.001	0.03	0.2	<.01	0.07	<.001	<.001			<.01	121	5.7
701261	FA07110	0.026	0.012	0.002	<.01	0.09	0.077	<.001	0.01	0.42	0.01	0.14	<.001	<.001			0.02	51	4.8

## **Appendix IV**

### **2007 Silver Hart Rock Descriptions**

**2007 Rock Samples Silver Hart property**

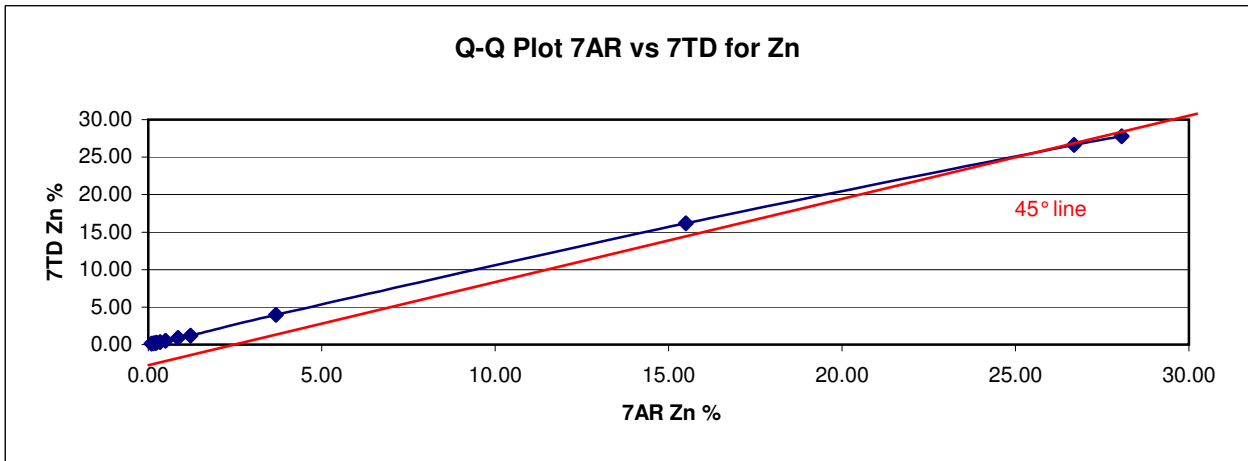
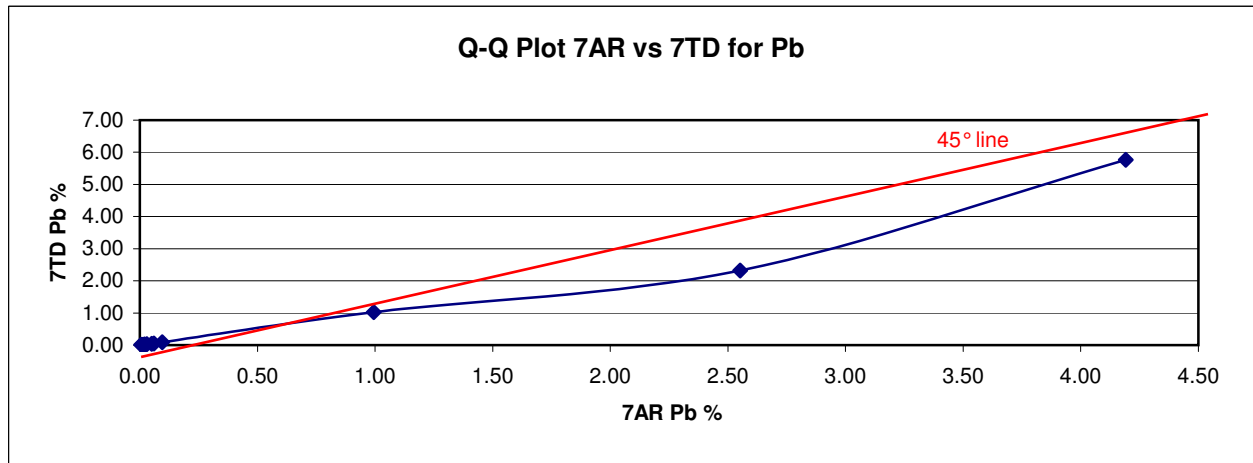
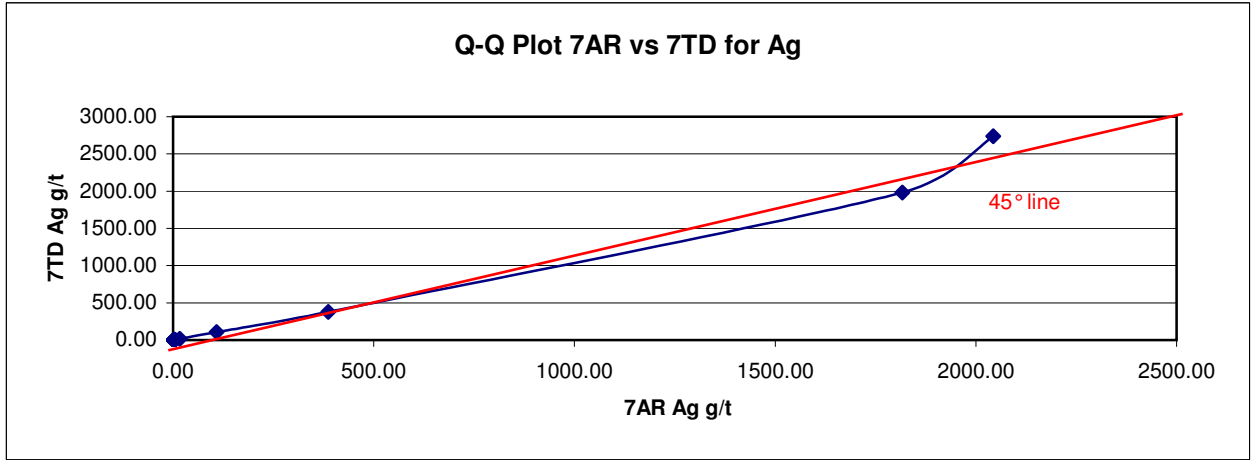
Sample No	Easting	Northing	Description
701247	405196	6689080	(14m grid south of FA 56 vein) 50cm chip across structure 050/70SE; MnOx rind on oxidising quartzose schist ; 1% diss cubic clusters. Structure across a contact between limey garnet + wollastonite ? and garnet + diopside + hendenbergite calc-silicate, FW limey unit has narrow silicified envelope, examples kept of MnOx stained schist and silicified FW outcrop.
701248	405196	6689080	(at site of FA56 galena) 12cm chip across massive galena lens; lens trends within fault for ~ 3m extent and can be exposed through trenching; galena occurs at contact FW between limestone and garnet diopside calc-silicate; structure trends 070/85S; FW not exposed but appears unaltered; HW has FeOx staining of several cm into wallrock; outcrop
701249	405196	6689080	(84m grid N of FA 56 vein) 50cm chip of Mn gossanous calcite vein filling a structure trending 230/70NW; calcite core pinches and swells; fine veinlets of galena and occasional spots of dark brown sphalerite clusters within vein margins; wallrock is a feldspathic, leucocratic schist bed within a garnet diopside calc-silicate; Fe and Mn staining in FW, wk silicification in HW; outcrop
701250			Standard Pb121
701251	405245	6689173	Float (FA67) Mn Oxidised rind on pyrrhotite rich feldspathic schist collected in area of highly Pb/Zn anomalous soil ~ grid 12400N 11250E; outcrop nearby is garnet + feldspar calc silicate; float of qtz vein breccia (cockade qtz enclosing oxidised feldspathic rock fragments) in area
701252	404799	6689400	(FA78) selective grab of galena and anglesite pods from a MnOx qtz vein breccia cap on top of the hill overlooking the property; geochem anomaly identified by stations FA69 and FA67 likely comes from fall debris from trenching of this gossan;
701253	405228	6689996	(FA113/FA22) (J Zone) MnOx gossaned outcrop of feldspathic schist plus mineralised qtz and calcite vein filled fault; fault trends 240/73N; random chip across width of outcrop ~ 2m; narrow veinlets of coarse grained galena with patches of sphalerite clusters along margins of fault vein; HW of fault shows no alteration and varies from limey calc-silicate to feldspathic schist; FW of fault is oxidised feldspathic schist; appears to be a possible folded bed
701254	405143	6688876	(FA18/FA112) (D Zone South) random chip across a MnOx gossan (replaced limestone) and across a quartz and calcite veined structure trending 230/87NW; some pervasive Mn pieces are heavy, others show porous texture from leached sulfide;
701255			Blank
701256	405152	6688914	(FA111) botroidal and vuggy MnOx gossan ~ 10m south of main D zone replaced bed; random grab from outcrop of calcite veinlets and massive pervasive Mn replaced material; some pieces are leached of sulfide (porous); also have some qtz vein breccia as seen at FA78 and FA70
701257			(D Zone 0-5) FA110 5m wide random chip along MnOx replaced limestone body with pods of galena; see notes Sept 10 - FA110
701258			(D Zone 5-10) FA110 5m wide random chip along MnOx replaced limestone body with pods of galena
701259			(D Zone 10-15) FA110 5m wide random chip along MnOx replaced body with pods of galena; also have massive hard siliceous lenses showing no sign of bedding, trend ~ 205 degrees within the 330 degree trending bed; dilatent openings within a 330 degree trending structure?; not likely but a theory presented in notes on July 13
701260			Standard Pb121
701261			(D Zone 15-20) FA110 5m wide random chip along MnOx replaced body within veinlets of galena

## **Appendix V**

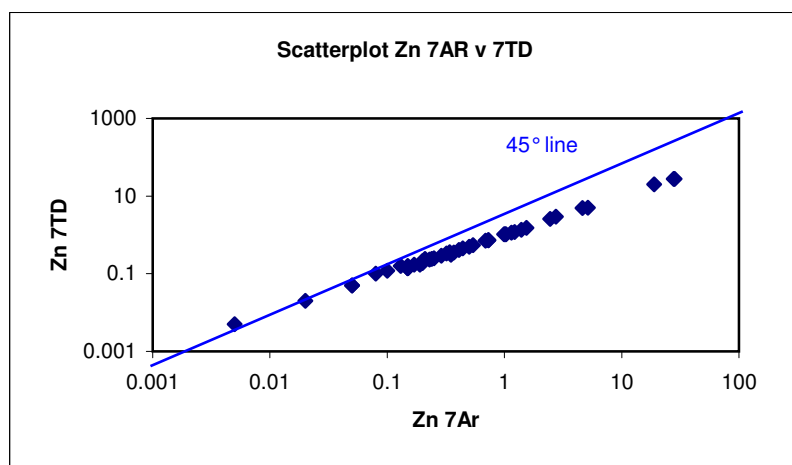
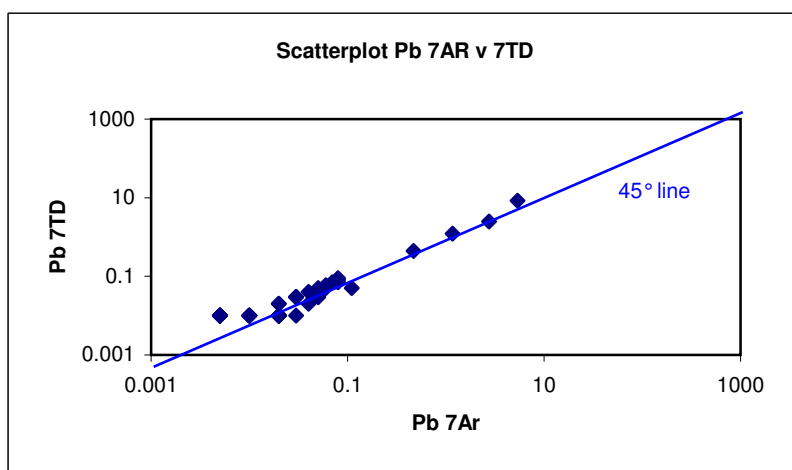
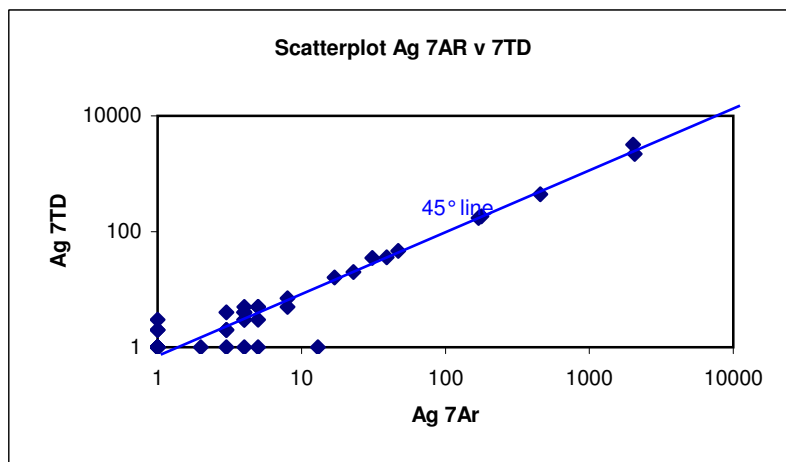
**2007 Silver Hart QA Charting**

**7AR vs 7TD Analytical Methods**

2007 QA 7AR vs 7TD Charting

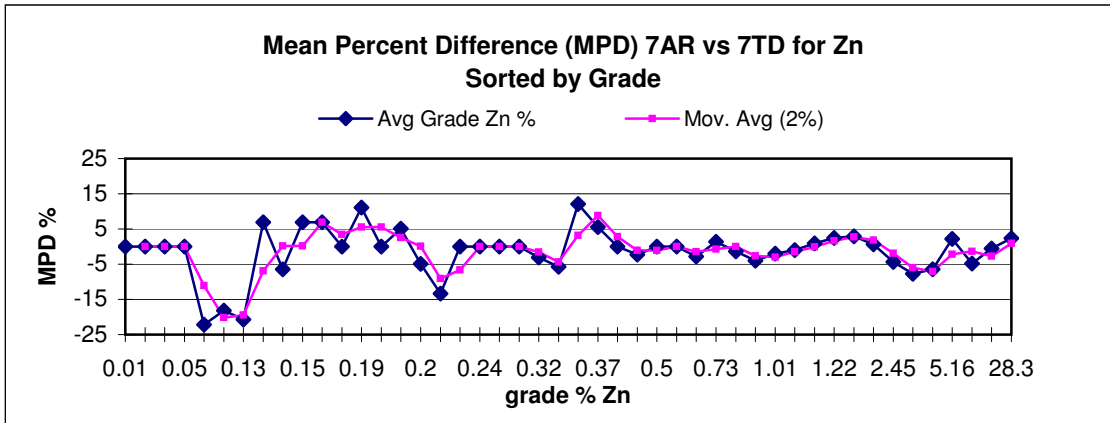
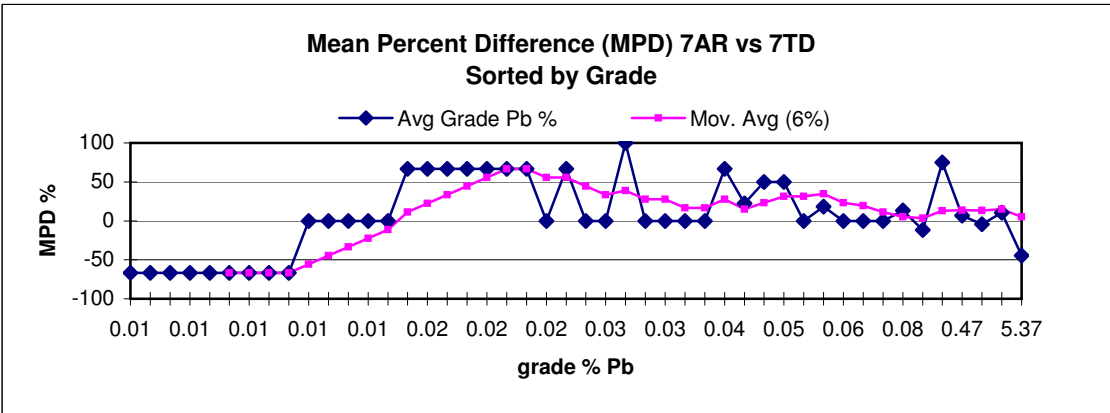
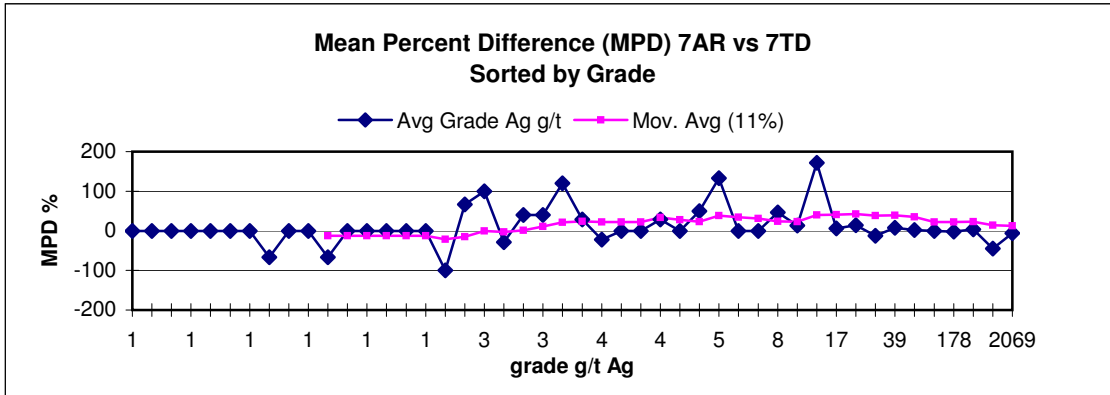


## 2007 QA 7AR vs 7TD Charting

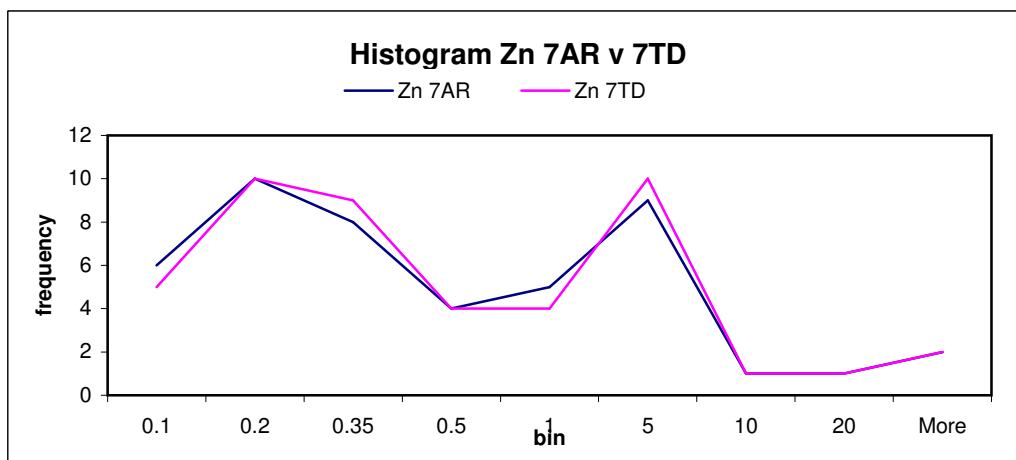
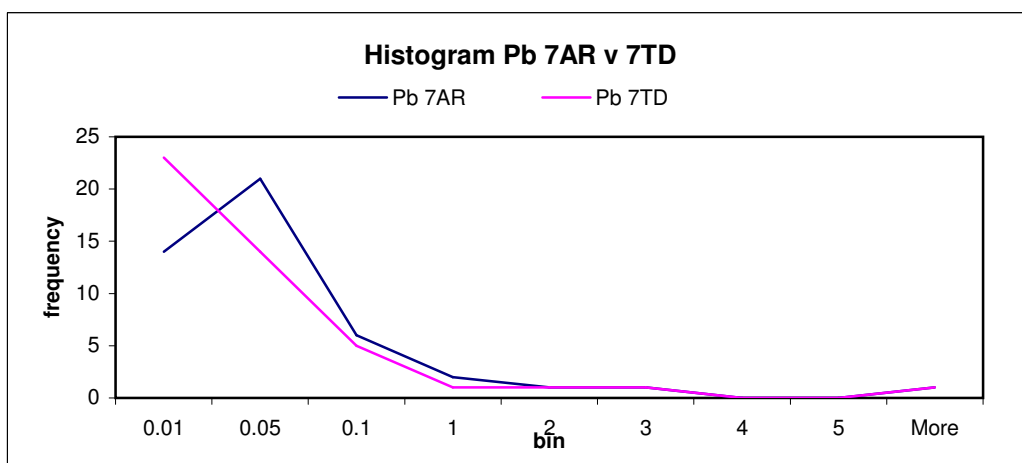
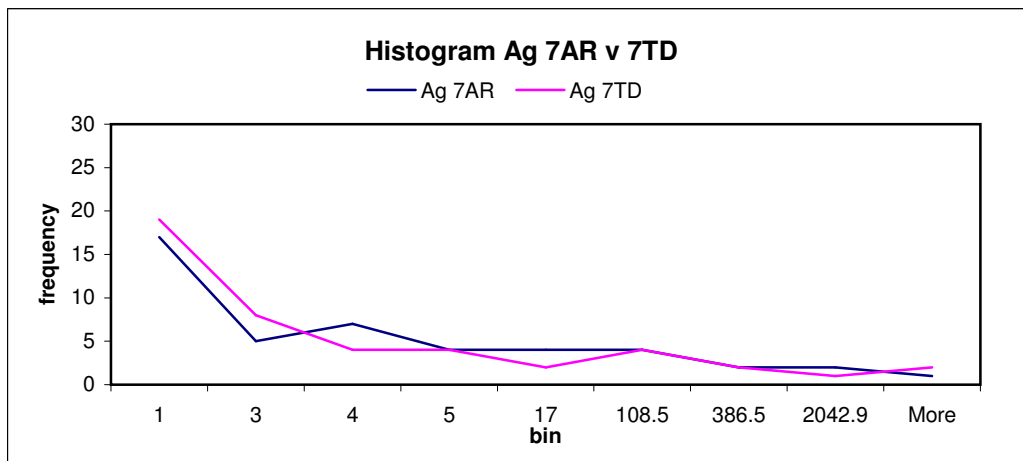




2007 QA 7AR vs 7TD Charting



2007 QA 7AR vs 7TD Charting



**Appendix VI**  
**2007 Silver Hart QA**  
**Twinned Holes**

## 2007 QA Twinned Holes-Comparison of Geology, Alteration and Mineralization

### Geology Hole CMC SH07-01 vs HS85-07

Hole ID	From_m	To_m	Lith	Twin ID	From_m	To_m	Lith
CMCSH0701	0	13	OVBN	HS85007	0.00	7.92	ovb
CMCSH0701	13	30.2	GRDR	HS85007	7.92	22.05	grdr
				HS85007	22.05	23.01	andd
				HS85007	23.01	23.49	grdr
				HS85007	23.49	24.33	vein
CMCSH0701	30.2	31.9	ANDD	HS85007	24.33	28.76	andd
CMCSH0701	31.9	33.5	GRDR	HS85007	28.76	30.08	grdr
CMCSH0701	33.5	34.15	VEIN	HS85007	30.08	30.68	vein
CMCSH0701	34.15	76.75	GRDR	HS85007	30.68	46.02	grdr

### Alteration Hole CMC SH07-01 vs HS85-07

Hole ID	From	To	Alteration	Hole ID	From	To	Alteration
CMCSH0701	13	16.7	OXI	HS85007	7.92	17.50	BLE
CMCSH0701	16.7	18.3	CLA				
CMCSH0701	18.3	19.7	BLE				
CMCSH0701	19.7	23.5	CHL	HS85007	17.50	18.46	CHL
CMCSH0701	23.5	27.8	CHL	HS85007	18.46	22.05	BLE
CMCSH0701	24.3	26	OXI				
CMCSH0701	26	27.6	SIL				
CMCSH0701	27.6	28.5	CLA				
CMCSH0701	28.5	30.2	BLE	HS85007	23.01	23.49	SIL
CMCSH0701	30.2	31.9	CLA	HS85007	24.33	28.76	CLA
CMCSH0701	31.9	33.5	SIL	HS85007	28.76	30.08	SIL
CMCSH0701	34.2	36.6	SIL	HS85007	30.68	32.84	SIL
CMCSH0701	36.6	48	BLE	HS85007	32.84	41.83	BLE
CMCSH0701	48	50.9	BLE	HS85007	41.83	42.55	SIL
CMCSH0701	50.9	57	CHL	HS85007	42.55	46.02	BLE

### Mineralized Zones and Recovery CMC SH07-01 vs HS85-07

Hole ID	From_m	To_m	Interval	Ag g/t	Pb%	Zn%	Hole ID	From_m	To_m	Interval	Ag g/t	Pb%	Zn%	Recovery
							HS85-7	23.62	26.37	<b>2.75</b>	213	0.4	3.4	<20% recovery 1985
CMC SH07-01	33.5	34.2	<b>0.70</b>	2069.00	2.75	28.28	HS85-7	30.11	30.85	<b>0.73</b>	2267	2.6	23.9	86% recovery 1985 vs 93% recovery in 2007
							HS85-7	43.62	43.92	<b>0.30</b>	94	0.3	1.6	55% recovery 1985

## 2007 QA Twinned Holes-Comparison of Geology, Alteration and Mineralization

### Geology Hole CMC SH07-03 vs HS85-06

Hole ID	From_m	To_m	Lith	Twin ID	From_m	To_m	Lith
CMCSH0703	0	8	OVBN	HS85006	0.00	6.22	ovb
CMCSH0703	8	30.5	GRDR	HS85006	6.22	24.11	grdr
				HS85006	24.11	24.32	vein
				HS85006	24.32	28.47	grdr
CMCSH0703	30.5	31.15	VEIN	HS85006	28.47	28.86	vein
CMCSH0703	31.15	36.3	GRDR	HS85006	28.86	35.05	grdr
CMCSH0703	36.3	37.2	FALT	HS85006	35.05	35.69	andd
CMCSH0703	37.2	38.4	GRDR	HS85006	35.69	36.12	grdr
CMCSH0703	38.4	40.1	ANDD	HS85006	36.12	36.58	andd
CMCSH0703	40.1	46	GRDR	HS85006	36.58	42.67	grdr

### Alteration Hole CMC SH07-03 vs HS85-06

Hole ID	From	To	Alteration	Hole ID	From	To	Alteration
CMCSH0703	7.8	17	OXI	HS85006	6.22	10.00	BLE
				HS85006	10.00	12.25	CHL
				HS85006	12.25	15.67	BLE
CMCSH0703	17	20.6	CHL	HS85006	15.67	17.13	CHL
CMCSH0703	20.6	23.1	OXI	HS85006	17.13	24.11	BLE
CMCSH0703	23.1	26.4	BLE				
CMCSH0703	26.4	31.3	SIL	HS85006	24.11	28.86	SIL
				HS85006	28.86	33.74	BLE
				HS85006	33.74	33.83	SIL
CMCSH0703	31.3	38.4	BLE	HS85006	33.83	36.12	BLE
CMCSH0703	32.5	35	SIL				
CMCSH0703	36.2	37.2	CLA	HS85006	35.05	35.69	CLA
CMCSH0703	38.4	40.1	CLA	HS85006	36.12	36.58	CLA
CMCSH0703	40.1	41.7	CHL	HS85006	36.58	42.67	CHL
CMCSH0703	41.7	42.5	SIL				
CMCSH0703	42.5	46	BLE				

### Mineralized Zones and Recovery CMC SH07-03 vs HS85-06

Hole ID	From_m	To_m	Interval	Ag g/t	Pb%	Zn%	Hole ID	From_m	To_m	Interval	Ag g/t	Pb%	Zn%	Recovery
CMC SH07-03	27.8	28.4	0.6	170	0.47	2.75								96% recovery from 26-29m in 2007
CMC SH07-03	29.6	30	0.4	178	0.04	5.16	HS85-6	24.11	24.32	0.21	723.97	0.88	9.39	recovery not recorded 1985; 97% recovery from 29-32m in 2007
CMC SH07-03	30.5	31.15	0.65	2011	5.37	27.79	HS85-6	28.47	28.86	0.40	2717.81	11.40	18.60	recovery not recorded 1985; 95% recovery in 2007

## 2007 QA Twinned Holes-Comparison of Geology, Alteration and Mineralization

### Geology Hole CMC SH07-04 vs HS85-05

Hole ID	From_m	To_m	Lith	Twin ID	From_m	To_m	Lith
CMCSH0704	0	3	OVBN	HS85005	0.00	1.37	cas
CMCSH0704	3	36.7	GRDR	HS85005	1.37	10.30	grdr
				HS85005	10.30	15.94	falt
				HS85005	15.94	16.49	grdr
				HS85005	16.49	17.01	falt
				HS85005	17.01	33.22	grdr
				HS85005	33.22	33.53	vein
				HS85005	33.53	35.23	grdr
CMCSH0704	36.7	37.9	ANDD	HS85005	35.23	35.69	andd
				HS85005	35.69	36.52	vein
CMCSH0704	37.9	39.8	GRDR	HS85005	36.52	39.93	grdr
CMCSH0704	39.8	41	VEIN	HS85005	39.93	40.45	vein
CMCSH0704	41	59	GRDR	HS85005	40.45	41.15	falt
				HS85005	41.15	48.46	grdr

### Alteration Hole CMC SH07-04 vs HS85-05

Hole ID	From_m	To_m	Lith	Twin ID	From_m	To_m	Lith
CMCSH0704	0	3	OVBN	HS85005	0.00	1.37	cas
CMCSH0704	3	36.7	GRDR	HS85005	1.37	10.30	grdr
				HS85005	10.30	15.94	falt
				HS85005	15.94	16.49	grdr
				HS85005	16.49	17.01	falt
				HS85005	17.01	33.22	grdr
				HS85005	33.22	33.53	vein
				HS85005	33.53	35.23	grdr
CMCSH0704	36.7	37.9	ANDD	HS85005	35.23	35.69	andd
				HS85005	35.69	36.52	vein
CMCSH0704	37.9	39.8	GRDR	HS85005	36.52	39.93	grdr
CMCSH0704	39.8	41	VEIN	HS85005	39.93	40.45	vein
CMCSH0704	41	59	GRDR	HS85005	40.45	41.15	falt
				HS85005	41.15	48.46	grdr

### Mineralized Zones and Recovery CMC SH07-04 vs HS85-05

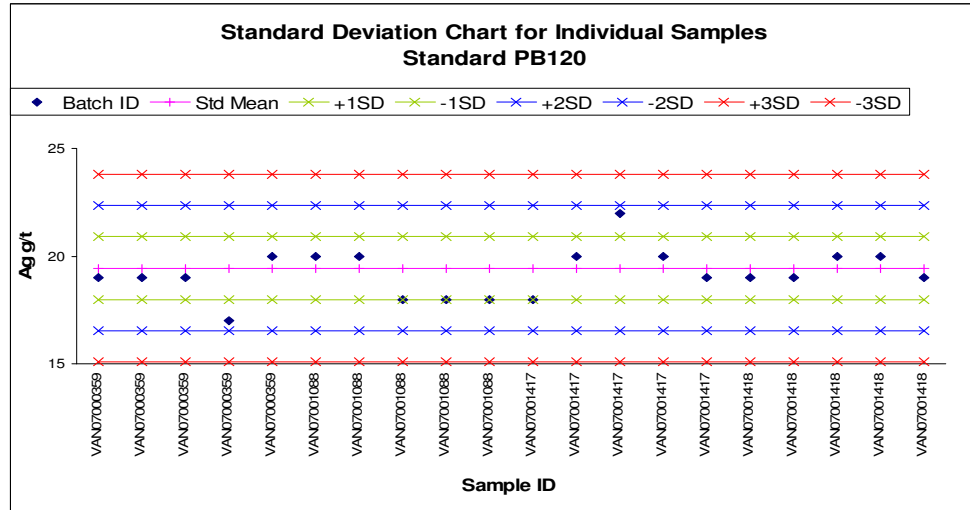
Hole ID	From_m	To_m	Interval	Ag g/t	Pb%	Zn%	Hole ID	From_m	To_m	Interval	Ag g/t	Pb%	Zn%	Recovery
CMC SH07-04	33.8	34.7	0.9	5	0.06	2.02	HS85-5	33.22	34.29	1.07	55	0.1	5.8	100% recovery in 1985 vs 96% in 2007
CMC SH07-04	37.9	38.5	0.6	39	0.03	4.62	HS85-5	35.69	36.52	0.82	63.70	0.04	4.6	56% recovery in 1985 vs 100% in 2007
							HS85-5	39.01	40.45	1.43	109.01	0.07	7.93	91% recovery in 1985
CMC SH07-04	40.4	41	0.6	456	1.17	18.94	<i>including</i>	39.93	40.45	0.52	288	0.2	13.7	76% recovery in 1985 vs 97% in 2007

## **Appendix VII**

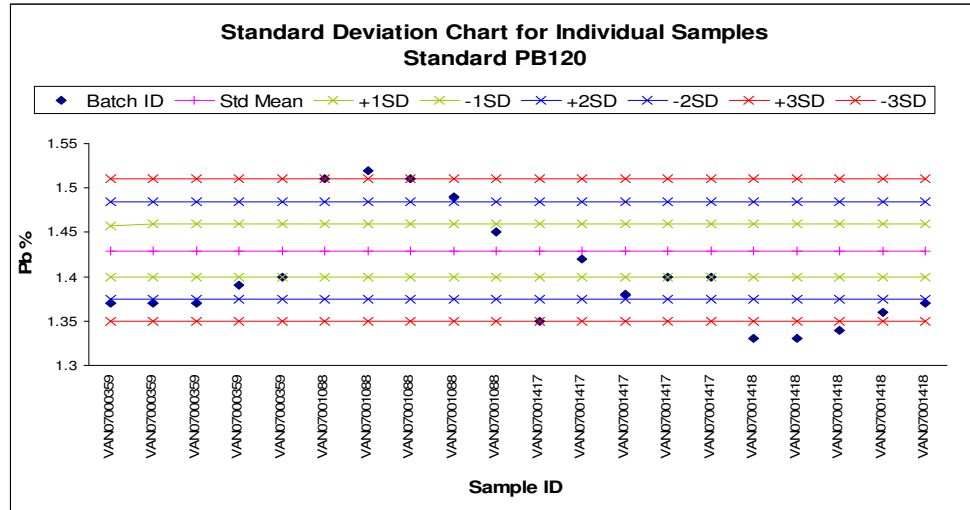
**2007 Silver Hart QC Drilling**

**Standards PB120 and PB121  
and Blank Inserts**

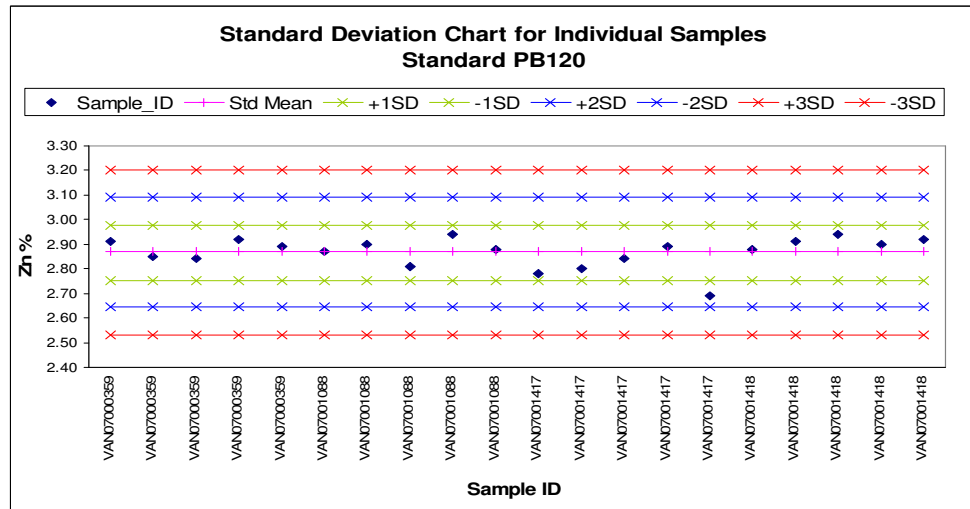
PB120 Silver:  
sample results show good variation about the mean.



PB120 Lead:  
Sample results show a problem with Pb analyses; analyses within  $\pm 2SD$  of the mean are warnings of loss of control while analyses  $\pm 3SD$  of the mean indicate the process is out of control.



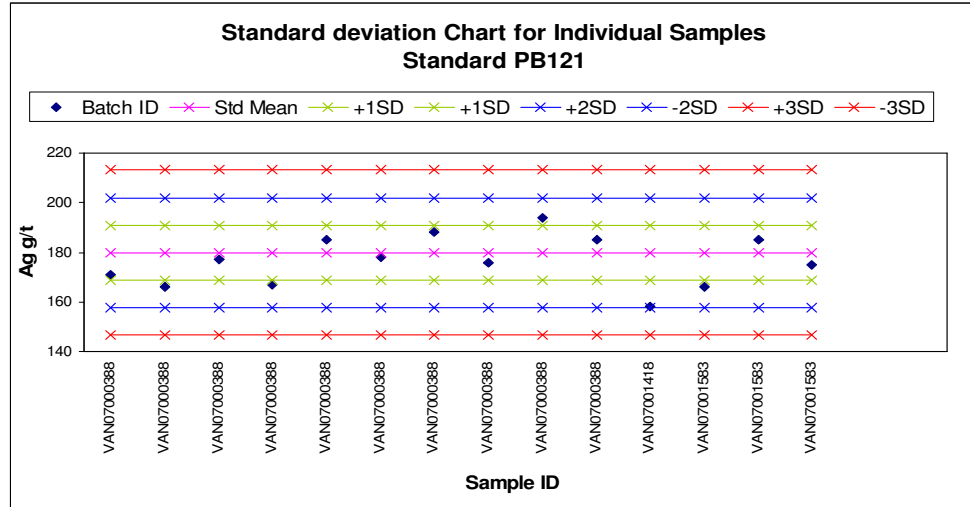
PB120 Zinc:  
Sample results show Good variation about the mean and almost all samples plot within  $\pm 1SD$  of the mean.



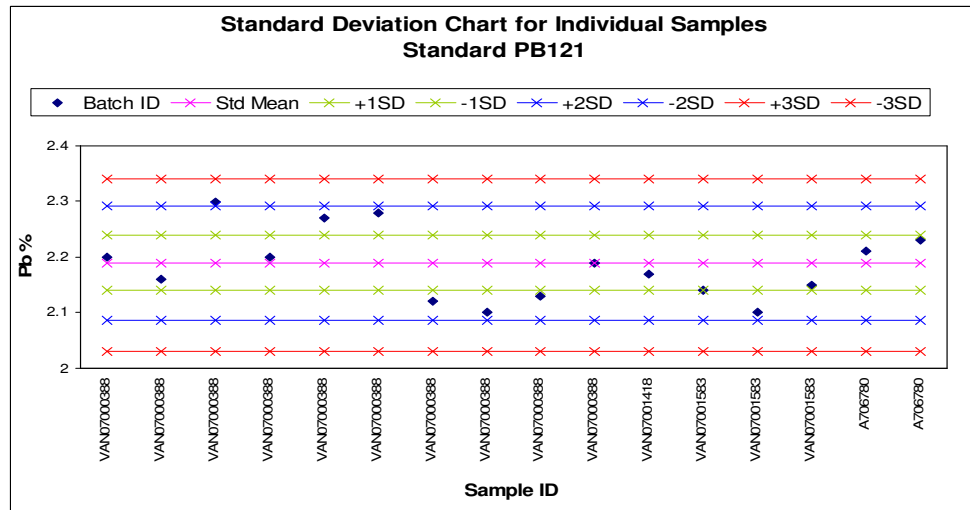


2007 QC Drilling

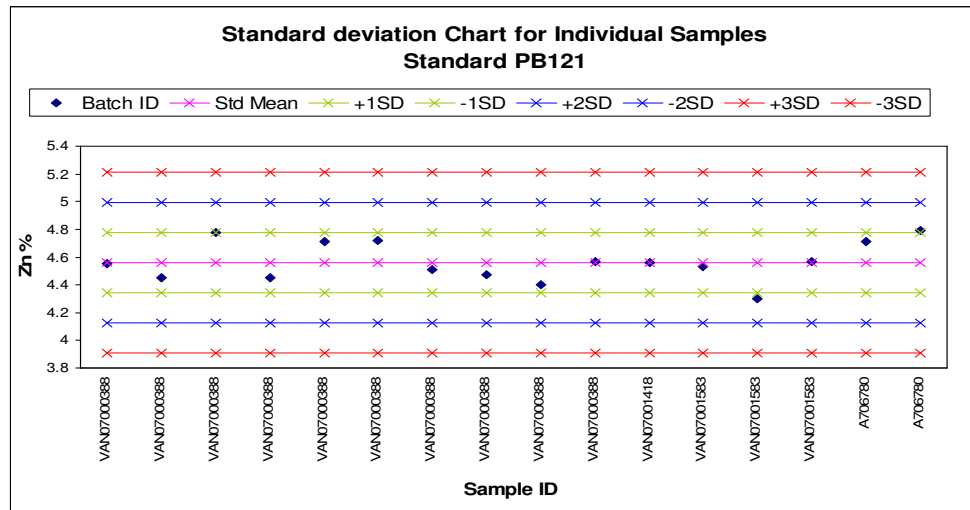
PB121 Silver:  
batch VAN07000388  
shows oscillating &  
steadily increasing  
values over time



PB121 Lead:  
50% of the  
individual values  
are greater than  
1SD from the mean



PB121 Zinc:  
Shows nice variation  
& individual samples  
generally all plot  
within  $\pm 1SD$  of the  
mean.



Shewhart Control Charts

## 2007 QC Drilling

Two charts are used to measure process control and accuracy/precision: R Chart and X-Bar ( $\bar{X}$ ) chart. The R chart measures process variation by looking at the ranges of consecutive analyses (in this case n=2) and comparing them to statistically derived control limits. The center line represents the average range (R<sub>BAR</sub>), the blue dots represent the range value (R), and the upper control limit is derived via the formula:

$$UCL = D(4)R_{BAR}$$

And as n=2, D(3)=0 there is no LCL for the R chart

The  $\bar{X}$  chart measures precision and accuracy of the process. The red "std value" line is the recommended value of the standard (recommended by the manufacturer); the blue points are the means of consecutive assays (again n=2); the pink center line is the average value of the means of consecutive pairs which =  $\bar{X}$ ; and the upper and lower control limits are derived from standard formulas:

$$UCL = \bar{\bar{x}} + A(2)R_{BAR}$$

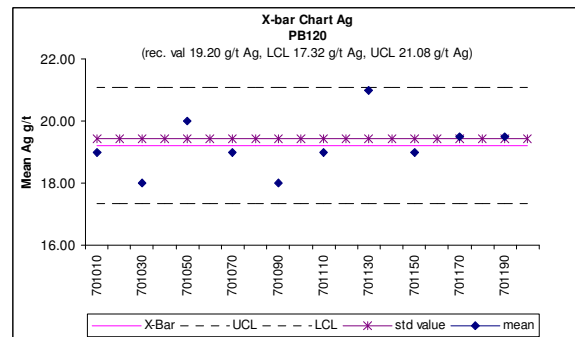
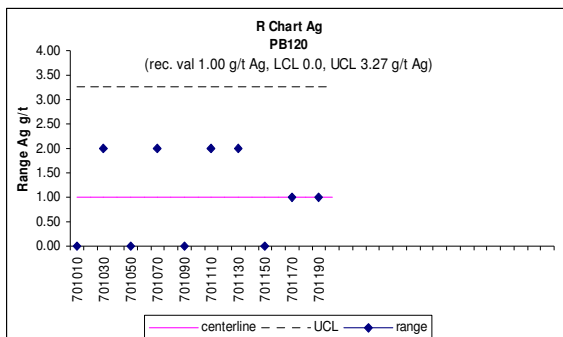
$$LCL = \bar{\bar{x}} - A(2)R_{BAR}$$

Constants for  $\bar{X}$  and R-Chart

### Factors for Calculating Limits for X-Bar and R Charts

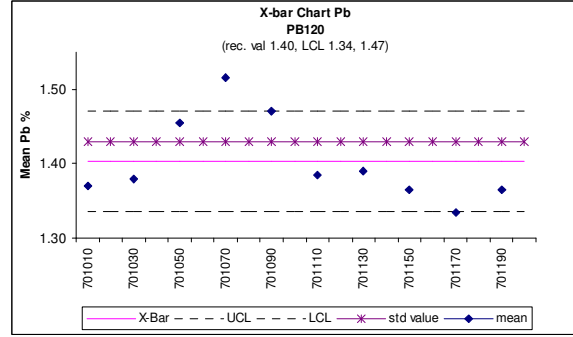
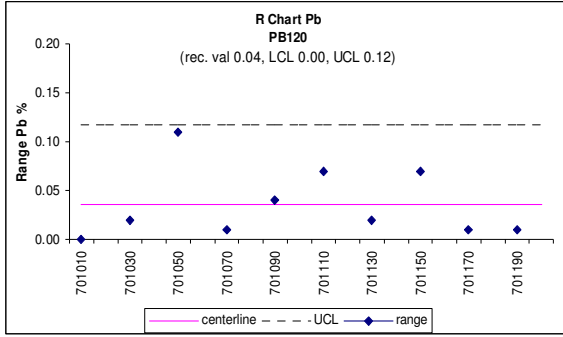
n	A <sub>2</sub>	D <sub>3</sub>	D <sub>4</sub>
2	1.88	0	3.267
3	1.023	0	2.575
4	0.729	0	2.282
5	0.577	0	2.115
6	0.483	0	2.004
7	0.419	0.076	1.924
8	0.373	0.136	1.864
9	0.337	0.184	1.816
10	0.308	0.223	1.777

Silver  
PB120

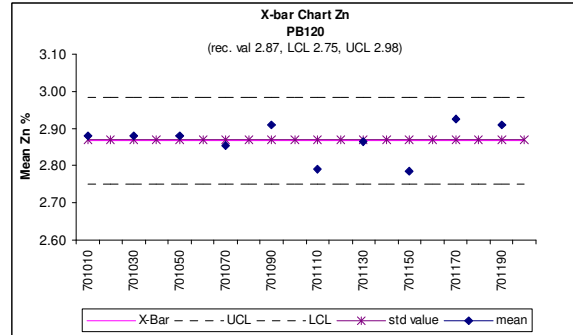
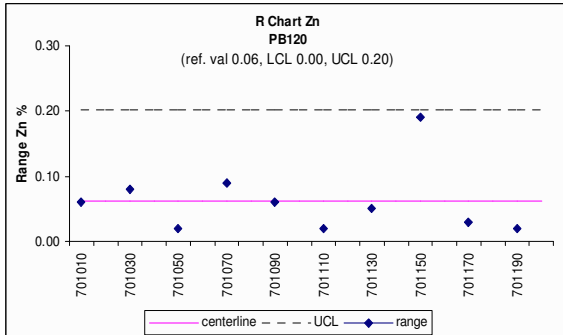


# 2007 QC Drilling

## Lead PB120



## Zinc PB120

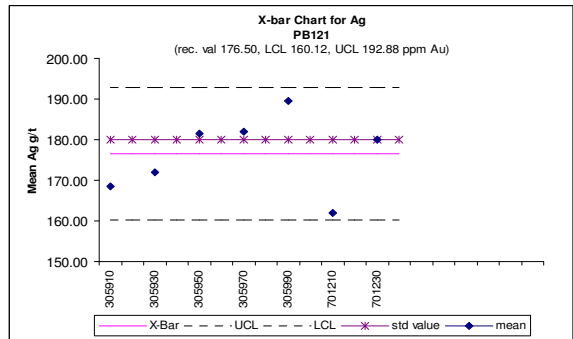
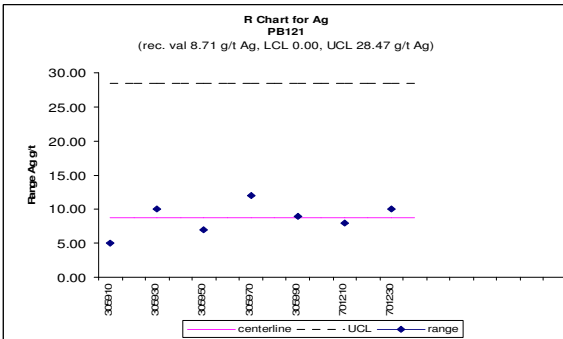


The R-Chart shows variation in the analytical process is “in control” for PB120 values as points are evenly spread around the centre line and below the Upper Control Limit. The recorded range of 0.41 for lead is greater than the PB120 standard deviation of 0.28 due to the one sample pair (701050/701060). The process is still deemed in control as this sample pair covers two separate analytical batches.

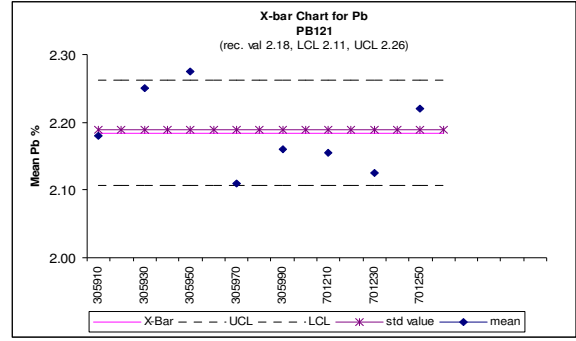
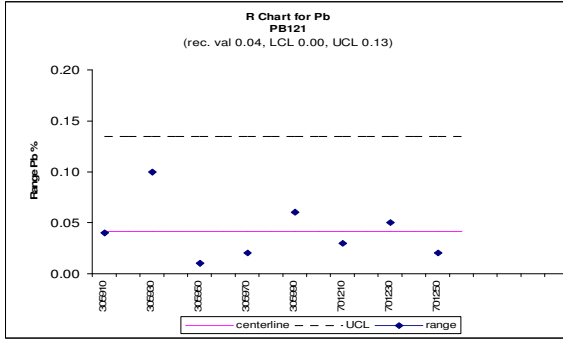
The X-Bar charts for PB120 show a problem with accuracy for lead analyses, and precision problems for lead and silver analyses. The X-Bar value of 19.2 g/t Ag and 2.87% Zn correlates well with the reported standard values of 19g/t Ag and 2.87% Zn, however the X-bar value of 1.4% Pb is more than 1SD less than the reported value of 1.43% Pb. Points on the Lead PB120 X-bar chart for sample pairs 701070/701080, 701090/701100 & 701170/701180 plot at or above the Control Limits showing the analytical process is out of control for lead analyses.

The precision for the analytical process might be an issue as four out of five continuous points for Ag and five continuous points for Pb plot below the centre line indicating a period of low-bias.

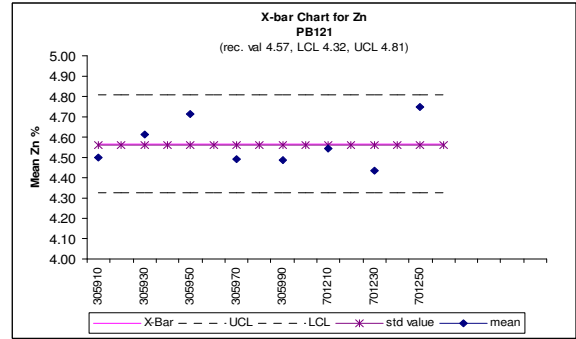
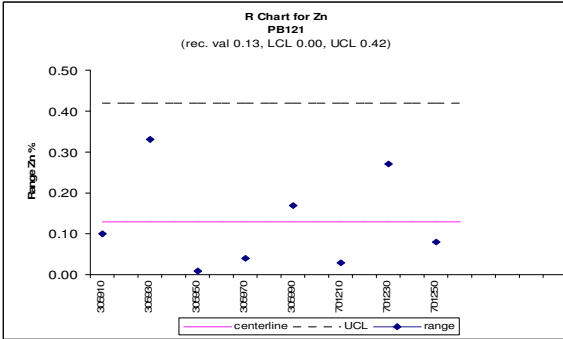
## Silver PB121



Lead  
PB121



Zinc  
PB121



The R-Chart shows variation in the analytical process is “in control” for PB121 values as points are evenly spread around the centre line and below the Upper Control Limit.

The X-Bar charts for PB121 shows the analytical process is in control and analyses can be deemed to be accurate within batches submitted with these standards. The X-bar values of 176.5 g.tAg, 2.18% Pb & 4.57% Zn closely correlate to the reported values for PB121 of 179 g/t Ag, 2.19% Pb & 4.56% Zn, and except for one point in the lead chart, all plot below the Control Limits. This sample pair 305950/305960 again indicate the difficulties the laboratory has with Pb analyses.

The precision for the analytical process might be an issue as four out of five continuous points for Pb and four out of five continuous points for Zn plot below the centre line indicating a period of low-bias.

2007 QC Drilling

Method ACME 7AR

Hole_ID	Sample_ID	Standard ID	Lab	Certificate	Ag g/t	Pb%	Zn%	Comment
CMCSH0701	305905	BLANK	ACME	VAN07000388	<2	<0.01	<0.01	
CMCSH0701	305915	BLANK	ACME	VAN07000388	<2	<0.01	<0.01	
CMCSH0701	305925	BLANK	ACME	VAN07000388	<2	<0.01	<0.01	
CMCSH0702	305935	BLANK	ACME	VAN07000388	<2	<0.01	<0.01	
CMCSH0703	305945	BLANK	ACME	VAN07000388	<2	<0.01	<0.01	
CMCSH0703	<b>305955</b>	BLANK	ACME	VAN07000388	<b>7</b>	0.04	0.08	follows hi grade
CMCSH0703	305965	BLANK	ACME	VAN07000388	<2	<0.01	<0.01	
CMCSH0703	305975	BLANK	ACME	VAN07000388	<2	<0.01	<0.01	
CMCSH0704	305985	BLANK	ACME	VAN07000388	<2	<0.01	<0.01	
CMCSH0704	<b>305995</b>	BLANK	ACME	VAN07000388	<b>3</b>	<0.01	0.08	follows hi grade
CMCSH0705	701005	BLANK	ACME	VAN07000359	<2	0.02	0.02	follows hi grade
CMCSH0705	701015	BLANK	ACME	VAN07000359	<2	<0.01	<0.01	
CMCSH0705	701025	BLANK	ACME	VAN07000359	<2	<0.01	<0.01	
CMCSH0706	701035	BLANK	ACME	VAN07000359	<2	<0.01	<0.01	
CMCSH0706	701045	BLANK	ACME	VAN07000359	<2	<0.01	<0.01	
CMCSH0706	701055	BLANK	ACME	VAN07001088	<2	<0.01	<0.01	
CMCSH0707	701065	BLANK	ACME	VAN07001088	<2	<0.01	<0.01	
CMCSH0707	701075	BLANK	ACME	VAN07001088	<2	<0.01	<0.01	
CMCSH0707	701085	BLANK	ACME	VAN07001088	<2	<0.01	<0.01	
CMCSH0707	701095	BLANK	ACME	VAN07001088	<2	<0.01	<0.01	
CMCSH0708	701105	BLANK	ACME	VAN07001417	<2	<0.01	<0.01	
CMCSH0708	701115	BLANK	ACME	VAN07001417	<2	<0.01	<0.01	
CMCSH0708	701125	BLANK	ACME	VAN07001417	<2	<0.01	<0.01	
CMCSH0708	701135	BLANK	ACME	VAN07001417	<2	<0.01	0.01	
CMCSH0708	701145	BLANK	ACME	VAN07001417	<2	<0.01	0.02	
CMCSH0709	701155	BLANK	ACME	VAN07001418	<2	<0.01	<0.01	
CMCSH0709	701165	BLANK	ACME	VAN07001418	<2	<0.01	0.02	
CMCSH0709	701175	BLANK	ACME	VAN07001418	<2	<0.01	<0.01	
CMCSH0709	701185	BLANK	ACME	VAN07001418	<2	<0.01	<0.01	
CMCSH0709	701195	BLANK	ACME	VAN07001418	<2	<0.01	<0.01	
CMCSH0710	701205	BLANK	ACME	VAN07001418	<2	<0.01	<0.01	
CMCSH0711	701215	BLANK	ACME	VAN07001583	<2	<0.01	<0.01	
CMCSH0711	701225	BLANK	ACME	VAN07001583	<2	<0.01	<0.01	
CMCSH0711	701235	BLANK	ACME	VAN07001583	<2	<0.01	<0.01	
CMCSH0711	701245	BLANK	ACME	VAN07001583	<2	<0.01	<0.01	
ROCK	701255	BLANK	ACME	A706780		0.02	0.04	follows Pb & Zn anomaly

## **Appendix VIII**

### **2007 Acme Analytical Laboratories Certificates**



ACME ANALYTICAL LABORATORIES LTD.  
852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

[www.acmelab.com](http://www.acmelab.com)

Client:

**CMC Metals Ltd.**

205 - 369 Terminal Ave  
Vancouver BC V6A 4C4 Canada

Submitted By:

Don Wedman

Receiving Lab:

Acme Analytical Laboratories (Vancouver) Ltd.

Received:

August 23, 2007

Report Date:

November 08, 2007

Page:

1 of 5

## CERTIFICATE OF ANALYSIS

VAN07000388.1

### CLIENT JOB INFORMATION

Project: Silverhart  
Shipment ID:  
P.O. Number  
Number of Samples: 100

### SAMPLE DISPOSAL

RTRN-PLP Return

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

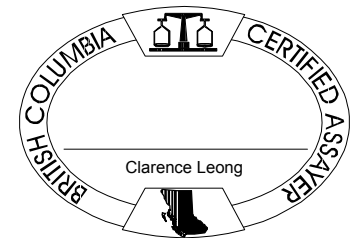
Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	90	Crush split and pulverize drill core to 150mesh		
G6	38	Fire assay fusion Ag Au ICP-ES	29.2	Completed
7AR	100	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed
7AR	2	1:1:1 Aqua Regia digestion ICP-ES analysis	0.1	Completed
7TD	46	4 Acid digestion ICP-ES analysis	0.5	Completed
7TD.1	2	4 Acid digestion ICP-ES analysis	0.1	Completed

### ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: CMC Metals Ltd.  
205 - 369 Terminal Ave  
Vancouver BC V6A 4C4  
Canada

CC: Farrell Andersen



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.



ACME ANALYTICAL LABORATORIES LTD.  
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 www.acmelab.com

Client: **CMC Metals Ltd.**  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

Project: Silverhart  
 Report Date: November 08, 2007

Page: 2 of 5 Part 1

CERTIFICATE OF ANALYSIS

VAN07000388.1

Method	WGHT	G6	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
Analyte	Wgt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	
Unit	kg	GM/T	GM/T	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0	2	0.01	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	
305901	Drill Core	1.6	N.A.	N.A.	0.002	0.003	0.03	0.14	7	<0.001	<0.001	0.46	2.27	0.03	0.001	<0.001	0.003	<0.01	0.13	0.046	<0.001
305902	Drill Core	2.3	N.A.	N.A.	0.003	<0.001	0.03	0.14	<2	<0.001	<0.001	0.47	1.64	<0.01	0.001	<0.001	<0.001	<0.01	0.18	0.052	<0.001
305903	Drill Core	1.8	N.A.	N.A.	0.003	0.001	0.05	0.15	4	<0.001	<0.001	0.45	1.54	<0.01	<0.001	<0.001	<0.001	<0.01	0.14	0.047	<0.001
305904	Drill Core	2.7	N.A.	N.A.	0.001	0.002	0.04	0.12	5	<0.001	<0.001	0.33	1.31	<0.01	<0.001	<0.001	0.004	<0.01	0.13	0.049	<0.001
305905	Drill Core	1.3	N.A.	N.A.	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.10	<0.01	0.004	<0.001	<0.001	<0.01	23.17	<0.001	<0.001
305906	Drill Core	1.8	N.A.	N.A.	0.003	0.009	0.02	1.09	10	<0.001	<0.001	0.18	0.83	<0.01	<0.001	<0.001	<0.001	<0.01	0.16	0.046	<0.001
305907	Drill Core	1.6	N.A.	N.A.	0.003	0.009	0.08	0.21	31	<0.001	<0.001	0.79	2.43	<0.01	<0.001	<0.001	0.004	<0.01	0.18	0.047	<0.001
305908	Drill Core	1.7		0.37	<0.001	0.459	2.75	28.28	2069	<0.001	<0.001	0.67	3.56	0.34	<0.001	0.069	0.105	<0.01	0.02	0.005	<0.001
305909	Drill Core	1.6	N.A.	N.A.	<0.001	0.002	0.04	0.19	8	<0.001	<0.001	0.08	0.93	<0.01	<0.001	<0.001	0.002	<0.01	0.04	0.017	<0.001
305910	Drill Core	0.1	N.A.	N.A.	<0.001	0.502	2.20	4.55	171	<0.001	<0.001	0.34	3.86	<0.01	0.005	0.027	0.007	<0.01	3.05	0.017	0.001
305911	Drill Core	2.2	N.A.	N.A.	<0.001	0.003	0.03	0.27	6	<0.001	<0.001	0.30	1.16	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.011	<0.001
305912	Drill Core	2	N.A.	N.A.	<0.001	<0.001	0.04	0.52	<2	<0.001	<0.001	0.32	1.00	<0.01	<0.001	<0.001	<0.001	<0.01	0.10	0.026	<0.001
305913	Drill Core	2.2	N.A.	N.A.	<0.001	<0.001	0.02	0.29	<2	<0.001	<0.001	0.08	0.52	<0.01	<0.001	<0.001	<0.001	<0.01	0.14	0.015	<0.001
305914	Drill Core	2.4	N.A.	N.A.	0.001	<0.001	0.03	0.32	<2	<0.001	<0.001	0.53	1.37	<0.01	<0.001	<0.001	<0.001	<0.01	0.13	0.022	<0.001
305915	Drill Core	1.2	N.A.	N.A.	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.11	<0.01	0.004	<0.001	<0.001	<0.01	23.21	<0.001	<0.001
305916	Drill Core	2.4	N.A.	N.A.	<0.001	0.005	0.04	0.33	14	<0.001	<0.001	0.21	1.31	<0.01	0.003	<0.001	<0.001	<0.01	0.59	0.095	<0.001
305917	Drill Core	2.4	N.A.	N.A.	0.013	0.004	0.06	0.17	12	<0.001	<0.001	0.08	1.19	<0.01	0.004	<0.001	<0.001	<0.01	0.81	0.054	<0.001
305918	Drill Core	2.3	N.A.	N.A.	<0.001	0.007	0.01	0.27	24	<0.001	<0.001	0.13	1.29	<0.01	0.008	<0.001	<0.001	<0.01	1.35	0.052	<0.001
305919	Drill Core	2.7	N.A.	N.A.	<0.001	0.006	0.09	0.39	22	<0.001	<0.001	0.51	1.89	<0.01	0.001	<0.001	0.001	<0.01	0.42	0.055	<0.001
305920	Drill Core	0.1	N.A.	N.A.	<0.001	0.490	2.16	4.45	166	<0.001	<0.001	0.34	3.76	<0.01	0.005	0.027	0.006	<0.01	2.98	0.016	0.002
305921	Drill Core	2.5	N.A.	N.A.	<0.001	<0.001	0.02	0.27	<2	<0.001	<0.001	0.16	0.89	<0.01	0.002	<0.001	<0.001	<0.01	0.64	0.036	<0.001
305922	Drill Core	0.9		0.01	<0.001	0.009	<0.01	2.79	15	<0.001	<0.001	1.13	3.71	<0.01	<0.001	0.005	0.002	<0.01	0.10	0.024	<0.001
305923	Drill Core	2.8		<0.01	<0.001	0.002	0.03	0.09	3	<0.001	<0.001	0.24	1.03	<0.01	0.002	<0.001	<0.001	<0.01	0.33	0.031	<0.001
305924	Drill Core	2.4		<0.01	<0.001	0.004	0.02	0.09	6	<0.001	<0.001	0.17	0.84	<0.01	0.001	<0.001	<0.001	<0.01	0.22	0.029	<0.001
305925	Drill Core	1.5		<0.01	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.09	<0.01	0.004	<0.001	<0.001	<0.01	23.23	<0.001	<0.001
305926	Drill Core	1.8		<0.01	<0.001	0.005	0.04	0.25	9	<0.001	<0.001	0.61	1.97	<0.01	<0.001	<0.001	<0.001	<0.01	0.16	0.041	<0.001
305927	Drill Core	0.7		0.02	<0.001	0.014	0.11	2.72	27	<0.001	<0.001	1.19	3.52	<0.01	<0.001	0.006	0.001	<0.01	0.14	0.025	<0.001
305928	Drill Core	2.1		<0.01	<0.001	0.001	<0.01	0.04	<2	<0.001	<0.001	0.10	0.89	<0.01	0.002	<0.001	<0.001	<0.01	0.45	0.026	<0.001
305929	Drill Core	1.3		<0.01	0.024	0.002	<0.01	0.01	<2	<0.001	<0.001	0.05	0.88	<0.01	0.002	<0.001	<0.001	<0.01	0.87	0.046	<0.001
305930	Drill Core	0.1		8.24	<0.001	0.506	2.30	4.78	177	<0.001	<0.001	0.34	3.81	<0.01	0.005	0.028	0.005	<0.01	3.06	0.015	0.001

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.





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**Client:** CMC Metals Ltd.  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 2 of 5 **Part** 2

**CERTIFICATE OF ANALYSIS**

**VAN07000388.1**

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte	Mg	Al	Na	K	W	Hg	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	
Unit	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	
MDL	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	
305901	Drill Core	0.04	0.49	<0.01	0.43	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305902	Drill Core	0.07	0.37	<0.01	0.39	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305903	Drill Core	0.06	0.36	<0.01	0.38	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305904	Drill Core	0.04	0.36	<0.01	0.38	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305905	Drill Core	12.60	0.03	<0.01	0.01	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305906	Drill Core	0.05	0.34	<0.01	0.33	0.003	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305907	Drill Core	0.09	0.42	<0.01	0.38	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305908	Drill Core	0.02	0.13	<0.01	0.11	0.042	<0.001	<0.001	0.397	2.54	24.64	1971	<0.001	<0.001	0.60	3.26	0.40	<0.001	0.059	0.111	<0.01
305909	Drill Core	0.01	0.24	<0.01	0.23	0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305910	Drill Core	0.34	0.53	0.05	0.38	0.010	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305911	Drill Core	0.04	0.22	<0.01	0.23	0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305912	Drill Core	0.05	0.38	<0.01	0.40	0.002	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305913	Drill Core	0.04	0.29	<0.01	0.32	0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305914	Drill Core	0.06	0.33	<0.01	0.34	0.002	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305915	Drill Core	12.61	0.03	<0.01	0.01	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305916	Drill Core	0.12	0.41	<0.01	0.37	0.002	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305917	Drill Core	0.15	0.35	<0.01	0.36	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305918	Drill Core	0.25	0.36	<0.01	0.34	0.002	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305919	Drill Core	0.11	0.36	<0.01	0.36	0.003	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305920	Drill Core	0.33	0.53	0.05	0.38	0.014	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305921	Drill Core	0.12	0.33	<0.01	0.33	0.002	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305922	Drill Core	0.05	0.32	<0.01	0.36	0.011	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305923	Drill Core	0.08	0.45	<0.01	0.36	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305924	Drill Core	0.05	0.36	<0.01	0.32	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305925	Drill Core	12.44	0.03	<0.01	0.01	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305926	Drill Core	0.07	0.34	<0.01	0.35	0.002	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305927	Drill Core	0.09	0.33	<0.01	0.31	0.013	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305928	Drill Core	0.10	0.40	<0.01	0.31	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305929	Drill Core	0.11	0.47	<0.01	0.19	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305930	Drill Core	0.35	0.54	0.04	0.39	0.013	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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**Client:** CMC Metals Ltd.  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 2 of 5 **Part** 3

# CERTIFICATE OF ANALYSIS

VAN07000388.1

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD		
Analyte	Ca	P	Cr	Mg	Al	Na	K	W	Hg	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%	%	%	
MDL	0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.001	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01	0.01	0.02	0.01	
305901	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305902	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305903	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305904	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305905	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305906	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305907	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.003	0.008	0.08	0.24	35	<0.001	<0.001	0.74	2.47	<0.02	<0.01	
305908	Drill Core	0.03	<0.001	<0.001	0.02	0.19	0.005	0.176	<0.001	<0.001	<0.001	0.430	2.48	27.61	2200	<0.001	<0.001	0.60	3.43	0.16	<0.01
305909	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.001	0.04	0.17	5	<0.001	<0.001	0.08	1.10	<0.02	<0.01	
305910	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305911	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305912	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305913	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305914	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305915	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305916	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305917	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305918	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305919	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305920	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305921	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305922	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305923	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305924	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305925	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305926	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305927	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305928	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305929	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305930	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Client: **CMC Metals Ltd.**  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

Project: Silverhart  
 Report Date: November 08, 2007

Page: 2 of 5 Part 4

**CERTIFICATE OF ANALYSIS**

**VAN07000388.1**

Method	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	
Analyte	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K	W	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%	
MDL	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01	0.01	
305901	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305902	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305903	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305904	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305905	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305906	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305907	Drill Core	<0.001	<0.01	<0.01	0.18	0.05	<0.001	0.21	6.68	0.04	3.41	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305908	Drill Core	0.062	0.12	<0.01	0.02	<0.01	<0.001	0.06	2.04	0.01	1.00	<0.01	<0.001	0.445	2.67	26.80	2054	0.002	<0.001	0.64	3.67
305909	Drill Core	<0.001	<0.01	<0.01	0.04	0.02	0.001	0.11	3.90	0.01	1.92	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305910	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305911	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305912	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305913	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305914	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305915	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305916	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305917	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305918	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305919	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305920	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305921	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305922	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305923	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305924	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305925	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305926	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305927	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305928	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305929	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305930	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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**Client:** CMC Metals Ltd.  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 2 of 5 **Part** 5

# CERTIFICATE OF ANALYSIS

VAN07000388.1

Method Analyte Unit MDL	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	
	As %	Sr %	Cd %	Sb %	Bi %	Ca %	P %	Cr %	Mg %	Al %	Na %	K %	W %	
	0.02	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01	
305901	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305902	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305903	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305904	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305905	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305906	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305907	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305908	Drill Core	0.30	<0.01	0.063	0.12	<0.01	0.01	<0.01	0.001	0.06	1.95	0.01	1.19	<0.01
305909	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305910	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305911	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305912	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305913	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305914	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305915	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305916	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305917	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305918	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305919	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305920	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305921	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305922	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305923	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305924	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305925	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305926	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305927	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305928	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305929	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305930	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	



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 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

Project: Silverhart  
 Report Date: November 08, 2007

Page: 3 of 5 Part 1

CERTIFICATE OF ANALYSIS

VAN07000388.1

Method	WGHT	G6	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
Analyte	Wgt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	
Unit	kg	GM/T	GM/T	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0	2	0.01	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.01	
305931	Drill Core	2.3	0.01	<0.001	<0.001	0.02	0.20	<2	<0.001	<0.001	0.87	3.03	0.01	0.001	<0.001	<0.001	<0.01	0.13	0.050	<0.001	
305932	Drill Core	2.4	0.01	<0.001	<0.001	0.04	0.25	<2	<0.001	<0.001	1.06	3.03	<0.01	0.002	<0.001	<0.001	<0.01	0.22	0.063	<0.001	
305933	Drill Core	2.4	0.01	<0.001	<0.001	0.03	0.17	<2	<0.001	<0.001	0.69	2.46	<0.01	0.002	<0.001	<0.001	<0.01	0.45	0.062	<0.001	
305934	Drill Core	2.3	0.06	<0.001	<0.001	0.02	0.09	<2	<0.001	<0.001	0.71	2.58	0.04	0.001	<0.001	<0.001	<0.01	0.12	0.043	<0.001	
305935	Drill Core	1.7	<0.01	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.09	<0.01	0.004	<0.001	<0.001	<0.01	22.61	0.001	<0.001	
305936	Drill Core	1.3	0.02	0.001	<0.001	0.03	0.14	<2	<0.001	<0.001	0.86	4.06	0.02	0.001	<0.001	<0.001	<0.01	0.21	0.050	<0.001	
305937	Drill Core	2.8	<0.01	<0.001	0.007	0.02	0.15	2	<0.001	<0.001	0.13	1.16	<0.01	0.001	<0.001	<0.001	<0.01	0.20	0.053	<0.001	
305938	Drill Core	2.2	N.A.	N.A.	<0.001	0.007	0.01	0.15	3	<0.001	<0.001	0.13	1.22	<0.01	0.001	<0.001	<0.01	0.23	0.053	<0.001	
305939	Drill Core	2.6	N.A.	N.A.	<0.001	0.002	0.02	0.15	5	<0.001	<0.001	0.35	1.32	<0.01	0.005	<0.001	<0.001	<0.01	0.96	0.051	<0.001
305940	Drill Core	0.1	N.A.	N.A.	<0.001	0.507	2.20	4.45	167	<0.001	<0.001	0.33	3.64	<0.01	0.005	0.026	0.004	<0.01	3.02	0.016	0.001
305941	Drill Core	2.4	N.A.	N.A.	<0.001	0.002	0.02	0.10	<2	<0.001	<0.001	0.11	1.11	<0.01	0.003	<0.001	<0.001	<0.01	0.51	0.060	<0.001
305942	Drill Core	2.2	N.A.	N.A.	<0.001	0.003	0.03	0.17	3	<0.001	<0.001	0.20	1.09	<0.01	0.001	<0.001	<0.001	<0.01	0.17	0.059	<0.001
305943	Drill Core	2.4	N.A.	N.A.	<0.001	0.003	0.02	0.24	17	<0.001	<0.001	0.91	3.07	<0.01	<0.001	<0.001	0.002	<0.01	0.16	0.056	<0.001
305944	Drill Core	2.3	N.A.	N.A.	<0.001	0.007	<0.01	0.05	47	<0.001	<0.001	0.78	2.78	<0.01	<0.001	<0.001	0.004	<0.01	0.13	0.052	<0.001
305945	Drill Core	1	N.A.	N.A.	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.11	<0.01	0.004	<0.001	<0.001	<0.01	21.79	<0.001	<0.001
305946	Drill Core	1.3	N.A.	N.A.	<0.001	0.007	0.06	1.15	23	<0.001	<0.001	0.63	2.31	<0.01	<0.001	0.003	0.001	<0.01	0.15	0.044	<0.001
305947	Drill Core	1.9	N.A.	N.A.	<0.001	<0.001	0.01	0.20	<2	<0.001	<0.001	0.76	2.55	<0.01	<0.001	<0.001	<0.001	<0.01	1.24	0.051	<0.001
305948	Drill Core	1.5	N.A.	N.A.	<0.001	0.028	0.47	2.75	170	<0.001	<0.001	0.91	2.90	0.23	<0.001	0.007	0.012	<0.01	0.14	0.044	<0.001
305949	Drill Core	1.6	N.A.	N.A.	<0.001	0.002	0.08	1.54	4	<0.001	<0.001	0.78	2.40	0.02	<0.001	0.004	<0.001	<0.01	0.15	0.052	<0.001
305950	Drill Core	0.1	N.A.	N.A.	<0.001	0.511	2.27	4.71	185	<0.001	<0.001	0.35	3.81	<0.01	0.005	0.027	0.005	<0.01	3.10	0.019	0.001
305951	Drill Core	1.4	N.A.	N.A.	<0.001	0.003	0.02	1.22	4	<0.001	<0.001	0.56	2.16	<0.01	<0.001	0.004	<0.001	<0.01	0.10	0.040	<0.001
305952	Drill Core	1.2	N.A.	N.A.	<0.001	0.048	0.04	5.16	178	<0.001	<0.001	0.69	2.45	0.02	<0.001	0.011	0.016	<0.01	0.04	0.015	<0.001
305953	Drill Core	1.3	N.A.	N.A.	<0.001	0.002	0.02	0.73	<2	<0.001	<0.001	0.69	2.49	<0.01	<0.001	0.002	<0.001	<0.01	0.08	0.034	<0.001
305954	Drill Core	2	0.25	<0.001	0.392	5.37	27.79	2011	<0.001	<0.001	0.30	2.25	0.08	<0.001	0.068	0.265	<0.01	0.01	0.006	<0.001	
305955	Drill Core	1	N.A.	N.A.	<0.001	0.001	0.04	0.08	7	<0.001	<0.001	0.01	0.10	<0.01	0.004	<0.001	<0.001	<0.01	22.21	0.001	<0.001
305956	Drill Core	0.9	N.A.	N.A.	<0.001	0.003	0.11	0.35	13	<0.001	<0.001	0.77	3.36	0.02	<0.001	0.001	0.006	<0.01	0.16	0.053	<0.001
305957	Drill Core	2.6	N.A.	N.A.	<0.001	0.002	0.01	0.44	5	<0.001	<0.001	0.57	1.82	<0.01	<0.001	<0.001	0.002	<0.01	0.74	0.054	<0.001
305958	Drill Core	2.6	N.A.	N.A.	<0.001	0.001	0.01	0.50	3	<0.001	<0.001	0.45	1.64	<0.01	<0.001	0.001	<0.001	<0.01	0.14	0.059	<0.001
305959	Drill Core	2.6	N.A.	N.A.	0.002	<0.001	0.05	0.23	<2	<0.001	<0.001	0.69	2.12	<0.01	<0.001	<0.001	<0.001	<0.01	0.16	0.058	<0.001
305960	Drill Core	0.1	N.A.	N.A.	<0.001	0.524	2.28	4.72	178	<0.001	<0.001	0.35	3.89	<0.01	0.005	0.027	0.005	<0.01	3.15	0.018	0.001

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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**Client:** CMC Metals Ltd.  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 3 of 5 **Part** 2

**CERTIFICATE OF ANALYSIS**

**VAN07000388.1**

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte	Mg	Al	Na	K	W	Hg	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	
Unit	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	
MDL	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	
305931	Drill Core	0.07	0.42	<0.01	0.40	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305932	Drill Core	0.10	0.43	<0.01	0.43	0.002	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305933	Drill Core	0.10	0.41	<0.01	0.42	0.002	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305934	Drill Core	0.06	0.36	<0.01	0.33	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305935	Drill Core	12.33	0.02	<0.01	0.01	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305936	Drill Core	0.11	0.37	<0.01	0.32	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305937	Drill Core	0.06	0.47	<0.01	0.29	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305938	Drill Core	0.07	0.51	0.01	0.30	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305939	Drill Core	0.09	0.34	<0.01	0.33	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305940	Drill Core	0.33	0.47	0.03	0.35	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305941	Drill Core	0.06	0.34	<0.01	0.34	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305942	Drill Core	0.02	0.32	<0.01	0.32	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305943	Drill Core	0.08	0.31	<0.01	0.31	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305944	Drill Core	0.05	0.28	<0.01	0.30	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305945	Drill Core	12.95	0.05	<0.01	0.01	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305946	Drill Core	0.08	0.27	<0.01	0.30	0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305947	Drill Core	0.72	0.30	<0.01	0.33	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305948	Drill Core	0.05	0.29	<0.01	0.30	0.003	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305949	Drill Core	0.06	0.33	<0.01	0.35	0.002	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305950	Drill Core	0.36	0.50	0.03	0.37	0.003	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305951	Drill Core	0.03	0.30	<0.01	0.31	0.002	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305952	Drill Core	0.03	0.21	<0.01	0.25	0.005	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305953	Drill Core	0.04	0.26	<0.01	0.32	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305954	Drill Core	0.01	0.09	<0.01	0.09	0.063	<0.001	<0.001	0.341	18.37	24.50	2817	<0.001	<0.001	0.27	2.04	0.07	<0.001	0.057	0.259	<0.01
305955	Drill Core	13.18	0.06	<0.01	0.01	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305956	Drill Core	0.09	0.28	<0.01	0.33	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305957	Drill Core	0.41	0.30	<0.01	0.33	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305958	Drill Core	0.03	0.32	<0.01	0.38	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305959	Drill Core	0.05	0.36	<0.01	0.37	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305960	Drill Core	0.36	0.50	0.03	0.37	0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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**Client:** CMC Metals Ltd.  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 3 of 5 **Part** 3

# CERTIFICATE OF ANALYSIS

VAN07000388.1

Method	Analyte	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	
		Ca	P	Cr	Mg	Al	Na	K	W	Hg	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr
Unit		%	%	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%	%	%	
MDL		0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01	0.01	0.02	0.01	
305931	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305932	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305933	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305934	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305935	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305936	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305937	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305938	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.007	<0.02	0.14	<2	<0.001	<0.001	0.13	1.48	<0.02	<0.01
305939	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.002	<0.02	0.16	3	<0.001	<0.001	0.35	1.59	<0.02	<0.01
305940	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305941	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.002	<0.02	0.12	<2	<0.001	<0.001	0.11	1.33	<0.02	<0.01
305942	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.003	0.03	0.17	4	<0.001	<0.001	0.21	1.34	<0.02	<0.01
305943	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.003	<0.02	0.24	16	<0.001	<0.001	0.91	3.43	<0.02	<0.01
305944	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.008	<0.02	0.05	46	<0.001	<0.001	0.77	3.07	<0.02	<0.01
305945	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305946	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.007	0.05	1.14	20	<0.001	<0.001	0.61	2.52	<0.02	<0.01
305947	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	<0.001	<0.02	0.20	<2	<0.001	<0.001	0.74	2.76	<0.02	<0.01
305948	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.027	0.44	2.97	171	<0.001	<0.001	0.86	3.06	0.23	<0.01
305949	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.002	0.07	1.53	<2	<0.001	<0.001	0.75	2.56	<0.02	<0.01
305950	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305951	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.003	<0.02	1.19	3	<0.001	<0.001	0.52	2.29	<0.02	<0.01
305952	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.045	0.02	5.05	182	<0.001	<0.001	0.65	2.56	0.02	<0.01
305953	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.002	<0.02	0.72	<2	<0.001	<0.001	0.66	2.69	<0.02	<0.01
305954	Drill Core	<0.01	<0.001	0.003	<0.01	0.14	<0.001	0.132	<0.001	<0.001	<0.001	0.374	8.46	27.95	3181	<0.001	<0.001	0.28	2.21	0.08	<0.01
305955	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305956	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.003	0.05	0.31	<2	<0.001	<0.001	0.73	3.61	0.02	<0.01
305957	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.002	<0.02	0.45	<2	<0.001	<0.001	0.54	2.07	<0.02	<0.01
305958	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.002	<0.02	0.50	2	<0.001	<0.001	0.43	1.96	<0.02	<0.01
305959	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.002	<0.001	0.04	0.23	<2	<0.001	<0.001	0.67	2.42	<0.02	<0.01
305960	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

Project: Silverhart  
 Report Date: November 08, 2007

Page: 3 of 5 Part 4

CERTIFICATE OF ANALYSIS

VAN07000388.1

Method	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	
Analyte	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K	W	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%	
MDL	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01	0.01	
305931	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305932	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305933	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305934	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305935	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305936	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305937	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305938	Drill Core	<0.001	<0.01	<0.01	0.30	0.06	<0.001	0.18	7.57	0.48	3.80	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305939	Drill Core	<0.001	<0.01	<0.01	1.01	0.06	<0.001	0.21	7.27	0.09	2.95	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305940	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305941	Drill Core	<0.001	<0.01	<0.01	0.53	0.07	<0.001	0.20	7.22	0.08	3.73	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305942	Drill Core	<0.001	<0.01	<0.01	0.18	0.07	<0.001	0.13	7.66	0.07	3.93	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305943	Drill Core	<0.001	<0.01	<0.01	0.15	0.06	<0.001	0.21	6.92	0.02	2.85	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305944	Drill Core	<0.001	<0.01	<0.01	0.13	0.06	<0.001	0.18	6.53	0.02	2.65	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305945	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305946	Drill Core	0.003	<0.01	<0.01	0.16	0.05	<0.001	0.23	6.43	0.02	2.47	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305947	Drill Core	<0.001	<0.01	<0.01	1.24	0.06	<0.001	0.87	6.48	0.01	2.49	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305948	Drill Core	0.007	0.02	<0.01	0.13	0.05	<0.001	0.17	6.09	0.02	2.75	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305949	Drill Core	0.004	<0.01	<0.01	0.14	0.06	<0.001	0.20	6.35	0.02	2.66	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305950	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305951	Drill Core	0.004	<0.01	<0.01	0.09	0.04	<0.001	0.15	6.99	0.02	2.98	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305952	Drill Core	0.012	0.02	<0.01	0.04	0.02	<0.001	0.12	3.26	0.01	1.54	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305953	Drill Core	0.002	<0.01	<0.01	0.08	0.03	<0.001	0.17	4.85	0.02	2.16	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305954	Drill Core	0.064	0.28	<0.01	0.01	<0.01	<0.001	0.03	0.89	<0.01	0.43	0.02	<0.001	0.390	20.70	27.24	3014	0.001	<0.001	0.26	2.23
305955	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305956	Drill Core	0.001	<0.01	<0.01	0.16	0.06	<0.001	0.23	5.93	0.02	2.46	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305957	Drill Core	<0.001	<0.01	<0.01	0.74	0.06	<0.001	0.51	6.50	0.02	2.89	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305958	Drill Core	0.001	<0.01	<0.01	0.13	0.06	<0.001	0.18	6.43	0.02	2.54	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305959	Drill Core	<0.001	<0.01	<0.01	0.16	0.06	<0.001	0.23	6.87	0.03	2.97	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305960	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.





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**Client:** CMC Metals Ltd.  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 3 of 5 **Part** 5

# CERTIFICATE OF ANALYSIS

VAN07000388.1

Method Analyte Unit MDL	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	
	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K	W	
	%	%	%	%	%	%	%	%	%	%	%	%	%	
	0.02	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01	
305931	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305932	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305933	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305934	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305935	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305936	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305937	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305938	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305939	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305940	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305941	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305942	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305943	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305944	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305945	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305946	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305947	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305948	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305949	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305950	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305951	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305952	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305953	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305954	Drill Core	0.07	<0.01	0.061	0.21	<0.01	<0.01	<0.01	0.002	0.03	0.90	<0.01	0.43	<0.01
305955	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305956	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305957	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305958	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305959	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305960	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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 205 - 369 Terminal Ave  
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Project: Silverhart  
 Report Date: November 08, 2007

Page: 4 of 5 Part 1

CERTIFICATE OF ANALYSIS

VAN07000388.1

Method	WGHT	G6	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte	Wgt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	
Unit	kg	GM/T	GM/T	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0	2	0.01	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	
305961	Drill Core	1.8	0.01	<0.001	<0.001	<0.01	0.15	<2	<0.001	<0.001	0.08	0.84	<0.01	0.001	<0.001	<0.001	<0.01	0.27	0.021	<0.001	
305962	Drill Core	0.7	0.01	0.005	0.004	0.03	1.03	4	<0.001	<0.001	0.44	1.85	<0.01	<0.001	0.002	<0.001	<0.01	0.07	0.014	<0.001	
305963	Drill Core	1.3	0.01	<0.001	0.002	0.05	0.20	5	<0.001	<0.001	0.49	1.48	<0.01	<0.001	<0.001	<0.001	<0.01	0.07	0.019	<0.001	
305964	Drill Core	2.1	0.01	<0.001	<0.001	0.02	0.05	<2	<0.001	<0.001	0.13	1.37	<0.01	0.007	<0.001	<0.001	<0.01	1.16	0.085	<0.001	
305965	Drill Core	1.4	0.01	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.10	<0.01	0.004	<0.001	<0.001	<0.01	21.68	0.005	<0.001	
305966	Drill Core	2.5	0.01	<0.001	<0.001	0.01	0.02	<2	<0.001	<0.001	0.09	1.44	<0.01	0.008	<0.001	<0.001	<0.01	1.63	0.085	<0.001	
305967	Drill Core	2.5	0.03	<0.001	<0.001	0.05	0.37	<2	<0.001	<0.001	0.58	2.26	0.02	0.005	<0.001	<0.001	<0.01	1.69	0.066	<0.001	
305968	Drill Core	2.1	<0.01	<0.001	<0.001	0.05	0.15	<2	<0.001	<0.001	0.41	1.98	<0.01	0.006	<0.001	<0.001	<0.01	1.43	0.084	<0.001	
305969	Drill Core	2.8	<0.01	<0.001	<0.001	0.06	0.13	<2	<0.001	<0.001	0.45	2.16	<0.01	0.008	<0.001	<0.001	<0.01	1.28	0.072	<0.001	
305970	Drill Core	0.1	6.86	<0.001	0.515	2.12	4.51	188	<0.001	<0.001	0.34	3.67	<0.01	0.005	0.025	0.005	<0.01	3.12	0.017	0.001	
305971	Drill Core	2.5	0.03	<0.001	<0.001	0.07	0.25	4	<0.001	<0.001	0.49	2.16	<0.01	<0.001	<0.001	0.001	<0.01	0.16	0.062	<0.001	
305972	Drill Core	2.6	0.01	<0.001	0.002	0.03	0.54	4	<0.001	<0.001	0.85	2.48	<0.01	0.001	<0.001	0.001	<0.01	0.31	0.070	<0.001	
305973	Drill Core	2.5	0.22	0.002	<0.001	0.03	0.34	<2	<0.001	0.002	0.78	3.07	0.30	<0.001	<0.001	<0.001	<0.01	0.19	0.060	<0.001	
305974	Drill Core	2.2	0.01	<0.001	<0.001	0.02	0.41	<2	<0.001	<0.001	1.23	3.37	<0.01	<0.001	<0.001	<0.001	<0.01	0.24	0.073	<0.001	
305975	Drill Core	1.8	0.01	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.02	0.09	<0.01	0.004	<0.001	<0.001	<0.01	24.58	0.002	<0.001	
305976	Drill Core	2.7	<0.01	<0.001	<0.001	<0.01	0.29	<2	<0.001	<0.001	1.19	3.09	<0.01	<0.001	<0.001	<0.001	<0.01	0.24	0.064	<0.001	
305977	Drill Core	2.7	<0.01	<0.001	<0.001	0.08	0.32	2	<0.001	<0.001	0.99	2.55	<0.01	0.001	<0.001	0.001	<0.01	0.57	0.063	<0.001	
305978	Drill Core	2.4	<0.01	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.13	1.69	<0.01	0.012	<0.001	<0.001	<0.01	2.52	0.071	<0.001	
305979	Drill Core	2.4	<0.01	<0.001	<0.001	0.02	0.08	<2	<0.001	<0.001	0.31	1.73	<0.01	0.005	<0.001	<0.001	<0.01	1.00	0.052	<0.001	
305980	Drill Core	0.1	N.A.	N.A.	<0.001	0.477	2.10	4.47	176	<0.001	<0.001	0.34	3.58	<0.01	0.005	0.025	0.005	<0.01	3.11	0.016	0.001
305981	Drill Core	2.4	N.A.	N.A.	<0.001	<0.001	0.01	0.07	<2	<0.001	<0.001	0.16	0.99	<0.01	0.006	<0.001	<0.001	<0.01	0.92	0.034	<0.001
305982	Drill Core	2.1	N.A.	N.A.	<0.001	<0.001	<0.01	0.06	<2	<0.001	<0.001	0.05	1.14	<0.01	0.005	<0.001	<0.001	<0.01	0.83	0.026	<0.001
305983	Drill Core	2.7	N.A.	N.A.	<0.001	<0.001	0.04	0.55	<2	<0.001	<0.001	0.47	1.24	<0.01	0.001	<0.001	0.002	<0.01	0.32	0.041	<0.001
305984	Drill Core	2.1	N.A.	N.A.	<0.001	0.002	0.06	2.02	5	<0.001	<0.001	0.75	2.24	0.09	<0.001	0.004	<0.001	<0.01	0.15	0.044	<0.001
305985	Drill Core	1.2	N.A.	N.A.	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.09	<0.01	0.004	<0.001	<0.001	<0.01	25.72	0.002	<0.001
305986	Drill Core	2.6	N.A.	N.A.	<0.001	0.002	<0.01	1.39	5	<0.001	<0.001	1.20	3.35	<0.01	<0.001	0.003	0.002	<0.01	0.15	0.048	<0.001
305987	Drill Core	2.4	N.A.	N.A.	<0.001	0.001	<0.01	0.69	3	<0.001	<0.001	0.64	2.03	<0.01	<0.001	0.001	<0.001	<0.01	0.32	0.050	<0.001
305988	Drill Core	2.1	N.A.	N.A.	<0.001	0.001	<0.01	0.99	<2	0.004	0.002	0.09	6.28	<0.01	0.009	<0.001	<0.001	<0.01	1.81	0.252	0.007
305989	Drill Core	1.3	N.A.	N.A.	<0.001	0.020	0.03	4.62	39	<0.001	<0.001	0.23	1.38	0.21	<0.001	0.010	0.001	<0.01	0.09	0.033	<0.001
305990	Drill Core	0.1	N.A.	N.A.	<0.001	0.502	2.13	4.40	194	<0.001	<0.001	0.34	3.63	<0.01	0.005	0.025	0.003	<0.01	3.13	0.016	0.001

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Page: 4 of 5 Part 2

CERTIFICATE OF ANALYSIS

VAN07000388.1

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte	Mg	Al	Na	K	W	Hg	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	
Unit	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	
MDL	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	
305961	Drill Core	0.07	0.40	<0.01	0.23	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305962	Drill Core	0.03	0.23	<0.01	0.17	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305963	Drill Core	0.03	0.31	<0.01	0.30	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305964	Drill Core	0.19	0.44	<0.01	0.39	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305965	Drill Core	12.86	0.06	<0.01	0.01	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305966	Drill Core	0.29	0.42	<0.01	0.42	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305967	Drill Core	0.61	0.38	<0.01	0.43	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305968	Drill Core	0.26	0.42	<0.01	0.45	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305969	Drill Core	0.28	0.47	<0.01	0.49	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305970	Drill Core	0.36	0.50	0.03	0.35	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305971	Drill Core	0.07	0.44	<0.01	0.44	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305972	Drill Core	0.10	0.40	<0.01	0.40	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305973	Drill Core	0.08	0.37	<0.01	0.35	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305974	Drill Core	0.13	0.46	<0.01	0.39	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305975	Drill Core	12.20	0.01	<0.01	0.01	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305976	Drill Core	0.16	0.37	<0.01	0.36	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305977	Drill Core	0.25	0.39	<0.01	0.36	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305978	Drill Core	0.34	0.52	<0.01	0.33	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305979	Drill Core	0.22	0.43	<0.01	0.32	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305980	Drill Core	0.36	0.51	0.03	0.34	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305981	Drill Core	0.14	0.37	<0.01	0.30	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305982	Drill Core	0.19	0.57	0.04	0.27	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305983	Drill Core	0.09	0.41	<0.01	0.33	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305984	Drill Core	0.06	0.41	<0.01	0.37	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305985	Drill Core	12.48	0.01	<0.01	0.01	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305986	Drill Core	0.12	0.38	<0.01	0.35	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305987	Drill Core	0.15	0.39	<0.01	0.38	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305988	Drill Core	1.52	5.84	0.01	0.18	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305989	Drill Core	0.03	0.31	<0.01	0.28	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305990	Drill Core	0.35	0.50	0.03	0.35	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Client: **CMC Metals Ltd.**  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

Project: Silverhart  
 Report Date: November 08, 2007

Page: 4 of 5 Part 3

**CERTIFICATE OF ANALYSIS**

**VAN07000388.1**

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	
Analyte	Ca	P	Cr	Mg	Al	Na	K	W	Hg	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%	%	%	
MDL	0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.001	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01	0.01	0.02	0.01	
305961	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	<0.001	<0.02	0.14	<2	<0.001	<0.001	0.08	1.01	<0.02	<0.01
305962	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.004	0.004	<0.02	1.04	5	<0.001	<0.001	0.43	2.05	<0.02	<0.01
305963	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.002	0.03	0.19	5	<0.001	<0.001	0.47	1.67	<0.02	<0.01
305964	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	<0.001	<0.02	0.05	<2	<0.001	<0.001	0.13	1.71	<0.02	<0.01
305965	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305966	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	<0.001	<0.02	0.02	<2	<0.001	<0.001	0.09	1.72	<0.02	0.01
305967	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	<0.001	0.03	0.35	2	<0.001	<0.001	0.55	2.48	<0.02	<0.01
305968	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	<0.001	0.05	0.14	<2	<0.001	<0.001	0.40	2.35	<0.02	<0.01
305969	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	<0.001	0.06	0.16	<2	<0.001	<0.001	0.44	2.59	<0.02	<0.01
305970	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305971	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.001	0.07	0.25	4	<0.001	<0.001	0.46	2.45	<0.02	<0.01
305972	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.002	0.03	0.54	4	<0.001	<0.001	0.80	2.87	<0.02	<0.01
305973	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.002	<0.001	0.03	0.36	2	<0.001	0.002	0.77	3.57	0.28	<0.01
305974	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	<0.001	<0.02	0.41	<2	<0.001	<0.001	1.19	3.79	<0.02	<0.01
305975	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305976	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	<0.001	<0.02	0.29	<2	<0.001	<0.001	1.16	3.53	<0.02	<0.01
305977	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	<0.001	0.09	0.33	<2	<0.001	<0.001	0.97	3.04	<0.02	<0.01
305978	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	<0.001	<0.02	<0.01	<2	<0.001	<0.001	0.13	2.09	<0.02	0.01
305979	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	<0.001	0.02	0.10	<2	<0.001	<0.001	0.31	1.99	<0.02	<0.01
305980	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305981	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305982	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305983	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305984	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305985	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305986	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.003	<0.02	1.35	5	<0.001	<0.001	1.17	3.76	<0.02	<0.01
305987	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.002	<0.02	0.71	2	<0.001	<0.001	0.61	2.42	<0.02	<0.01
305988	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.002	<0.02	1.03	<2	0.004	0.003	0.09	7.21	<0.02	0.01
305989	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.022	0.03	4.93	36	<0.001	<0.001	0.23	1.64	0.21	<0.01
305990	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 4 of 5 **Part** 4

**CERTIFICATE OF ANALYSIS**

**VAN07000388.1**

Method Analyte Unit MDL	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1
	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K	W	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%
	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01	0.01
305961	Drill Core	<0.001	<0.01	<0.01	0.29	0.02	<0.001	0.18	5.11	0.06	2.30	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305962	Drill Core	0.002	<0.01	<0.01	0.08	0.01	<0.001	0.10	3.57	0.03	1.57	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305963	Drill Core	<0.001	<0.01	<0.01	0.07	0.02	<0.001	0.11	6.13	0.07	3.43	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305964	Drill Core	<0.001	<0.01	<0.01	1.18	0.09	<0.001	0.35	6.53	0.03	2.94	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305965	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305966	Drill Core	<0.001	<0.01	<0.01	1.59	0.08	<0.001	0.43	6.88	0.04	2.80	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305967	Drill Core	<0.001	<0.01	<0.01	1.60	0.07	<0.001	0.71	6.13	0.02	3.13	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305968	Drill Core	<0.001	<0.01	<0.01	1.41	0.09	<0.001	0.44	7.73	0.03	3.24	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305969	Drill Core	<0.001	<0.01	<0.01	1.24	0.08	0.001	0.47	7.46	0.02	1.82	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305970	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305971	Drill Core	<0.001	<0.01	<0.01	0.16	0.06	0.001	0.22	5.82	0.01	2.25	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305972	Drill Core	0.001	<0.01	<0.01	0.31	0.07	<0.001	0.28	6.55	0.02	2.62	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305973	Drill Core	<0.001	<0.01	<0.01	0.21	0.06	<0.001	0.23	5.80	0.02	2.64	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305974	Drill Core	<0.001	<0.01	<0.01	0.24	0.07	<0.001	0.26	6.83	0.02	2.28	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305975	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305976	Drill Core	<0.001	<0.01	<0.01	0.25	0.07	<0.001	0.29	6.54	0.02	2.58	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305977	Drill Core	<0.001	<0.01	<0.01	0.59	0.07	<0.001	0.43	6.57	0.02	2.50	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305978	Drill Core	<0.001	<0.01	<0.01	2.41	0.07	0.001	0.53	7.13	0.03	2.06	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305979	Drill Core	<0.001	<0.01	<0.01	0.99	0.05	<0.001	0.36	5.24	0.02	1.55	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305980	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305981	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305982	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305983	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305984	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305985	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305986	Drill Core	0.003	<0.01	<0.01	0.17	0.05	<0.001	0.23	6.34	0.02	2.08	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305987	Drill Core	0.002	<0.01	<0.01	0.32	0.05	<0.001	0.31	6.98	0.02	2.09	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305988	Drill Core	<0.001	<0.01	<0.01	1.83	0.27	0.010	1.79	9.17	0.16	1.05	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305989	Drill Core	0.010	<0.01	<0.01	0.10	0.04	<0.001	0.15	4.81	0.02	1.98	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305990	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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**Client:** CMC Metals Ltd.  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 4 of 5 **Part** 5

# CERTIFICATE OF ANALYSIS

VAN07000388.1

Method Analyte Unit MDL	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1
	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K	W
	%	%	%	%	%	%	%	%	%	%	%	%	%
	0.02	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01
305961	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305962	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305963	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305964	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305965	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305966	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305967	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305968	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305969	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305970	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305971	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305972	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305973	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305974	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305975	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305976	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305977	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305978	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305979	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305980	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305981	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305982	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305983	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305984	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305985	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305986	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305987	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305988	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305989	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305990	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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**Client:** CMC Metals Ltd.  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 5 of 5 **Part** 1

## CERTIFICATE OF ANALYSIS

VAN07000388.1

Method	WGHT	G6	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
Analyte	Wgt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	
Unit	kg	GM/T	GM/T	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0	2	0.01	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	
305991	Drill Core	1.8	N.A.	N.A.	<0.001	<0.001	0.02	0.20	<2	<0.001	<0.001	0.37	1.97	<0.01	<0.001	<0.001	<0.001	0.13	0.053	<0.001	
305992	Drill Core	1.6	N.A.	N.A.	<0.001	0.013	<0.01	2.45	8	<0.001	<0.001	0.31	1.25	<0.01	<0.001	0.004	<0.001	<0.01	0.08	0.037	<0.001
305993	Drill Core	1.4		<0.01	<0.001	0.003	<0.01	1.01	4	<0.001	<0.001	0.27	1.35	0.02	<0.001	0.002	<0.001	<0.01	0.07	0.029	<0.001
305994	Drill Core	1.6	N.A.	N.A.	<0.001	0.126	1.17	18.94	456	<0.001	<0.001	0.14	1.55	0.45	<0.001	0.041	0.018	<0.01	0.02	0.010	<0.001
305995	Drill Core	1.5	N.A.	N.A.	<0.001	<0.001	<0.01	0.08	3	<0.001	<0.001	0.01	0.09	<0.01	0.004	<0.001	<0.001	<0.01	24.48	0.002	<0.001
305996	Drill Core	1.5	N.A.	N.A.	<0.001	<0.001	0.02	0.73	4	<0.001	<0.001	1.17	3.55	<0.01	<0.001	0.002	<0.001	<0.01	0.35	0.048	<0.001
305997	Drill Core	2.3	N.A.	N.A.	<0.001	<0.001	0.07	0.67	2	<0.001	<0.001	0.64	1.66	<0.01	0.001	<0.001	<0.001	<0.01	1.02	0.056	<0.001
305998	Drill Core	2.5	N.A.	N.A.	<0.001	<0.001	<0.01	0.63	<2	<0.001	<0.001	0.12	1.18	<0.01	0.002	<0.001	<0.001	<0.01	0.48	0.048	<0.001
305999	Drill Core	2.4	N.A.	N.A.	0.002	0.003	<0.01	0.10	<2	<0.001	<0.001	0.08	1.07	<0.01	0.003	<0.001	0.001	<0.01	0.71	0.050	<0.001
306000	Drill Core	0.1	N.A.	N.A.	<0.001	0.500	2.19	4.57	185	<0.001	<0.001	0.35	3.76	<0.01	0.005	0.026	0.005	<0.01	3.15	0.016	0.001



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**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 5 of 5 **Part** 2

# CERTIFICATE OF ANALYSIS

VAN07000388.1

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
Analyte	Mg	Al	Na	K	W	Hg	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi
Unit	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%
MDL	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01
305991	Drill Core	0.06	0.46	<0.01	0.36	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305992	Drill Core	0.04	0.29	<0.01	0.31	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305993	Drill Core	0.03	0.25	<0.01	0.25	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305994	Drill Core	<0.01	0.15	<0.01	0.14	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305995	Drill Core	13.01	0.01	<0.01	<0.01	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305996	Drill Core	0.18	0.30	<0.01	0.27	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305997	Drill Core	0.57	0.38	<0.01	0.32	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305998	Drill Core	0.21	1.03	<0.01	0.29	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305999	Drill Core	0.14	0.52	<0.01	0.26	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
306000	Drill Core	0.36	0.53	0.03	0.36	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.





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**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 5 of 5 **Part** 3

# CERTIFICATE OF ANALYSIS

VAN07000388.1

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	
Analyte	Ca	P	Cr	Mg	Al	Na	K	W	Hg	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%	%	%	
MDL	0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.001	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01	0.01	0.02	0.01	
305991	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	<0.001	<0.02	0.21	3	<0.001	<0.001	0.37	2.44	<0.02	<0.01
305992	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.015	<0.02	2.56	7	<0.001	<0.001	0.31	1.64	<0.02	<0.01
305993	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.004	<0.02	1.03	3	<0.001	<0.001	0.25	1.53	<0.02	<0.01
305994	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.129	1.22	19.88	441	<0.001	<0.001	0.14	1.82	0.53	<0.01
305995	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305996	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	<0.001	0.02	0.74	4	<0.001	<0.001	1.17	3.84	<0.02	<0.01
305997	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305998	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305999	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
306000	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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**Client:** CMC Metals Ltd.  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 5 of 5 **Part** 4

# CERTIFICATE OF ANALYSIS

VAN07000388.1

Method	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1
Analyte	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K	W	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%
MDL	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01	0.01
305991	Drill Core	<0.001	<0.01	<0.01	0.14	0.06	0.001	0.23	6.65	0.03	2.75	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305992	Drill Core	0.005	<0.01	<0.01	0.09	0.04	0.001	0.19	6.05	0.02	2.13	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305993	Drill Core	0.002	<0.01	<0.01	0.07	0.03	0.002	0.12	3.49	0.02	1.87	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305994	Drill Core	0.044	0.03	<0.01	0.03	0.01	0.001	0.05	2.14	0.01	1.12	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305995	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305996	Drill Core	0.002	<0.01	<0.01	0.36	0.05	0.001	0.25	6.01	0.03	1.71	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305997	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305998	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305999	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
306000	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 5 of 5 **Part** 5

## CERTIFICATE OF ANALYSIS

VAN07000388.1

Method	Analyte	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1
		As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K
Unit		%	%	%	%	%	%	%	%	%	%	%	%
MDL		0.02	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01
305991	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305992	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305993	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305994	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305995	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305996	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305997	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305998	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305999	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
306000	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

## QUALITY CONTROL REPORT

VAN07000388.1

Method Analyte Unit MDL	WGHT for R150		G6	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
	Wgt	Wt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P
	kg	g	GM/T	GM/T	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%
	0	0	2	0.01	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001
Pulp Duplicates																				
305908	Drill Core	1.7		0.37	<0.001	0.459	2.75	28.28	2069	<0.001	<0.001	0.67	3.56	0.34	<0.001	0.069	0.105	<0.01	0.02	0.005
REP 305908	QC																			
305942	Drill Core	2.2	N.A.	N.A.	<0.001	0.003	0.03	0.17	3	<0.001	<0.001	0.20	1.09	<0.01	0.001	<0.001	<0.001	<0.01	0.17	0.059
REP 305942	QC																			
Core Reject Duplicates																				
305901	Drill Core	1.6	N.A.	N.A.	0.002	0.003	0.03	0.14	7	<0.001	<0.001	0.46	2.27	0.03	0.001	<0.001	0.003	<0.01	0.13	0.046
DUP 305901	QC	0	N.A.	N.A.	0.002	0.003	0.03	0.15	9	<0.001	<0.001	0.45	2.25	0.03	0.001	<0.001	0.006	<0.01	0.13	0.048
305936	Drill Core	1.3		0.02	0.001	<0.001	0.03	0.14	<2	<0.001	<0.001	0.86	4.06	0.02	0.001	<0.001	<0.001	<0.01	0.21	0.050
DUP 305936	QC	0		0.01	0.001	<0.001	0.05	0.29	<2	<0.001	<0.001	0.89	2.65	<0.01	0.004	<0.001	0.002	<0.01	0.63	0.061
305971	Drill Core	2.5		0.03	<0.001	<0.001	0.07	0.25	4	<0.001	<0.001	0.49	2.16	<0.01	<0.001	<0.001	0.001	<0.01	0.16	0.062
DUP 305971	QC	0		0.03	<0.001	0.002	0.08	0.25	4	<0.001	<0.001	0.47	2.11	0.01	<0.001	<0.001	<0.001	<0.01	0.16	0.060
Reference Materials																				
STD CCU-1C	Standard																			
STD CZN-3	Standard																			
STD GC-7	Standard																			
STD MP-2	Standard																			
STD MP-2	Standard																			
STD PBC-1	Standard																			
STD PBC-1	Standard																			
STD PTC-1A	Standard																			
STD PTC-1A	Standard																			
STD R3A	Standard				0.077	0.817	2.00	4.02	195	0.536	0.061	0.07	31.55	0.04	0.003	0.023	0.041	<0.01	1.30	0.050
STD R3A	Standard				0.079	0.836	2.09	3.99	199	0.546	0.061	0.07	30.50	0.04	0.003	0.024	0.041	<0.01	1.32	0.050
STD R3A Expected					0.077	0.811	1.92	4.03	197	0.524	0.062	0.07	32.47	0.04	0.003	0.023	0.031		1.29	0.05
STD GC-7 Expected																				
STD CZN-3 Expected																				
STD MP-2 Expected																				
STD PTC-1A Expected																				

QUALITY CONTROL REPORT

VAN07000388.1

Method		7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte		Cr	Mg	Al	Na	K	W	Hg	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	
Unit		%	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	
MDL		0.001	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.001	0.01	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	
Pulp Duplicates																						
305908	Drill Core	<0.001	0.02	0.13	<0.01	0.11	0.042	<0.001	<0.001	0.397	2.54	24.64	1971	<0.001	<0.001	0.60	3.26	0.40	<0.001	0.059	0.111	
REP 305908	QC								<0.001	0.421	2.70	25.86	2143	<0.001	<0.001	0.64	3.53	0.41	<0.001	0.063	0.124	
305942	Drill Core	<0.001	0.02	0.32	<0.01	0.32	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 305942	QC																					
Core Reject Duplicates																						
305901	Drill Core	<0.001	0.04	0.49	<0.01	0.43	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
DUP 305901	QC	<0.001	0.04	0.49	<0.01	0.42	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305936	Drill Core	<0.001	0.11	0.37	<0.01	0.32	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
DUP 305936	QC	<0.001	0.29	0.44	<0.01	0.37	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
305971	Drill Core	<0.001	0.07	0.44	<0.01	0.44	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
DUP 305971	QC	<0.001	0.06	0.40	<0.01	0.41	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Reference Materials																						
STD CCU-1C	Standard									0.002	25.15	0.38	3.98	140	<0.001	0.001	0.01	28.82	<0.01	<0.001	0.012	<0.001
STD CZN-3	Standard									<0.001	0.652	0.13	48.24	53	<0.001	0.008	<0.01	9.21	0.04	<0.001	0.232	0.005
STD GC-7	Standard																					
STD MP-2	Standard																					
STD MP-2	Standard									0.277	0.066	0.07	0.34	9	<0.001	<0.001	0.07	3.43	0.20	0.001	<0.001	0.009
STD PBC-1	Standard																					
STD PBC-1	Standard									<0.001	1.642	26.32	1.58	1765	<0.001	<0.001	0.09	6.41	2.81	0.012	0.035	0.325
STD PTC-1A	Standard																					
STD PTC-1A	Standard									<0.001	13.50	0.07	0.12	60	9.987	0.280	<0.01	32.91	<0.01	<0.001	0.002	<0.001
STD R3A	Standard	0.012	1.05	1.09	0.04	0.42	0.003	0.002														
STD R3A	Standard	0.013	1.05	1.11	0.04	0.44	0.009	0.001														
STD R3A Expected		0.011	1.04	1.08	0.04	0.41		0.002														
STD GC-7 Expected																						
STD CZN-3 Expected										0.685	0.113	50.92	45		0.009		9.97	0.039		0.248		
STD MP-2 Expected										0.281			4.9									
STD PTC-1A Expected										13.51	0.05		56	10.03	0.3		34.6	0.012				

## QUALITY CONTROL REPORT

VAN07000388.1

Method		7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD
Analyte		Bi	Ca	P	Cr	Mg	Al	Na	K	W	Hg	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%	%
MDL		0.01	0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.001	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01	0.01	0.02
Pulp Duplicates																					
305908	Drill Core	<0.01	0.03	<0.001	<0.001	0.02	0.19	0.005	0.176	<0.001	<0.001	<0.001	0.430	2.48	27.61	2200	<0.001	<0.001	0.60	3.43	0.16
REP 305908	QC	<0.01	0.02	<0.001	0.002	0.02	0.19	0.001	0.188	<0.001	<0.001										
305942	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.003	0.03	0.17	4	<0.001	<0.001	0.21	1.34	<0.02
REP 305942	QC																				
Core Reject Duplicates																					
305901	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 305901	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305936	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 305936	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305971	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.001	0.07	0.25	4	<0.001	<0.001	0.46	2.45	<0.02
DUP 305971	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	<0.001	0.002	0.08	0.26	4	<0.001	<0.001	0.46	2.47	<0.02
Reference Materials																					
STD CCU-1C	Standard	<0.01	0.09	<0.001	<0.001	0.09	0.08	0.010	0.004	0.008	0.002										
STD CZN-3	Standard	<0.01	0.05	<0.001	<0.001	0.04	0.08	0.002	0.005	<0.001	<0.001										
STD GC-7	Standard																				
STD MP-2	Standard																				
STD MP-2	Standard	0.25	2.45	<0.001	0.002	0.02	1.16	0.005	0.154	0.500	<0.001										
STD PBC-1	Standard																				
STD PBC-1	Standard	0.04	5.04	0.076	0.002	0.66	0.21	0.005	0.019	<0.001	<0.001										
STD PTC-1A	Standard																				
STD PTC-1A	Standard	<0.01	0.17	0.004	0.002	0.21	0.31	0.026	0.059	0.004	<0.001										
STD R3A	Standard																				
STD R3A	Standard																				
STD R3A Expected																					
STD GC-7 Expected																					
STD CZN-3 Expected			0.058			0.051															
STD MP-2 Expected		0.245								0.65											
STD PTC-1A Expected																					

QUALITY CONTROL REPORT

VAN07000388.1

Method		7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1
Analyte		Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K	W	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%
MDL		0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01
Pulp Duplicates																					
305908	Drill Core	<0.01	0.062	0.12	<0.01	0.02	<0.01	<0.001	0.06	2.04	0.01	1.00	<0.01	<0.001	0.445	2.67	26.80	2054	0.002	<0.001	0.64
REP 305908	QC													<0.001	0.420	2.55	25.10	1958	<0.001	<0.001	0.61
305942	Drill Core	<0.01	<0.001	<0.01	<0.01	0.18	0.07	<0.001	0.13	7.66	0.07	3.93	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 305942	QC													<0.001	0.003	0.03	0.16	5	<0.001	<0.001	0.19
Core Reject Duplicates																					
305901	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 305901	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305936	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 305936	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305971	Drill Core	<0.01	<0.001	<0.01	<0.01	0.16	0.06	0.001	0.22	5.82	0.01	2.25	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 305971	QC	<0.01	<0.001	<0.01	<0.01	0.16	0.06	0.001	0.23	5.86	0.02	2.83	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Reference Materials																					
STD CCU-1C	Standard																				
STD CZN-3	Standard																				
STD GC-7	Standard													0.014	0.567	10.74	23.94	599	0.011	<0.001	0.14
STD MP-2	Standard													0.273	0.078	0.05	0.33	<2	0.001	<0.001	0.07
STD MP-2	Standard																				
STD PBC-1	Standard													0.002	1.723	26.97	1.67	1708	0.002	<0.001	0.11
STD PBC-1	Standard																				
STD PTC-1A	Standard													<0.001	13.72	0.07	0.10	48	10.06	0.283	0.01
STD PTC-1A	Standard																				
STD R3A	Standard																				
STD R3A	Standard																				
STD R3A Expected																					
STD GC-7 Expected														0.011	0.555	10.44	22.06	619	0.012	0.00121	0.14
STD CZN-3 Expected																					
STD MP-2 Expected														0.281				4.9			
STD PTC-1A Expected															13.51	0.05		56	10.03	0.3	

## QUALITY CONTROL REPORT

VAN07000388.1

Method		7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	
Analyte		Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K	W
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL		0.01	0.02	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01
Pulp Duplicates															
305908	Drill Core	3.67	0.30	<0.01	0.063	0.12	<0.01	0.01	<0.01	0.001	0.06	1.95	0.01	1.19	<0.01
REP 305908	QC	3.53	0.29	<0.01	0.060	0.10	0.01	<0.01	0.01	<0.001	0.06	1.87	0.01	1.15	<0.01
305942	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 305942	QC	1.35	<0.02	<0.01	<0.001	0.01	<0.01	0.17	0.05	<0.001	0.13	7.48	0.08	4.84	<0.01
Core Reject Duplicates															
305901	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 305901	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305936	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 305936	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
305971	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 305971	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Reference Materials															
STD CCU-1C	Standard														
STD CZN-3	Standard														
STD GC-7	Standard	13.76	0.14	<0.01	0.116	0.12	<0.01	2.01	0.09	0.011	0.87	1.60	0.15	0.38	<0.01
STD MP-2	Standard	3.48	0.17	<0.01	<0.001	<0.01	0.22	2.36	<0.01	<0.001	0.01	1.69	0.01	0.35	0.65
STD MP-2	Standard														
STD PBC-1	Standard	6.82	2.78	0.02	0.036	0.32	0.05	5.47	0.08	<0.001	0.67	0.44	0.02	0.16	<0.01
STD PBC-1	Standard														
STD PTC-1A	Standard	33.88	<0.02	<0.01	0.002	<0.01	0.02	0.31	<0.01	0.002	0.66	0.55	0.11	0.32	<0.01
STD PTC-1A	Standard														
STD R3A	Standard														
STD R3A	Standard														
STD R3A Expected															
STD GC-7 Expected		14.65													
STD CZN-3 Expected															
STD MP-2 Expected								0.245							0.65
STD PTC-1A Expected		34.6	0.012												



QUALITY CONTROL REPORT

VAN07000388.1

		WGHT for R150	G6	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
Wgt	Wt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	
kg	g	GM/T	GM/T	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	
0	0	2	0.01	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.01	
STD CCU-1C Expected																				
STD PBC-1 Expected																				
BLK	Blank			<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
G1	Prep Blank	0	N.A.	N.A.	<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001	0.05	1.93	<0.01	0.008	<0.001	<0.001	<0.01	0.55	0.072
G1	Prep Blank	0	N.A.	N.A.	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.06	1.97	<0.01	0.008	<0.001	<0.001	<0.01	0.56	0.073

QUALITY CONTROL REPORT

VAN07000388.1

		7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
		Cr	Mg	Al	Na	K	W	Hg	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb
		%	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%	%	%	%	%
		0.001	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001
STD CCU-1C Expected									0.002	25.62		3.99	129		0.012	29.34	0.0034		0.0136		
STD PBC-1 Expected											26.7		1800								
BLK	Blank	<0.001	<0.01	<0.01	<0.01	<0.01	<0.001	<0.001													
BLK	Blank																				
BLK	Blank																				
BLK	Blank							<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	
Prep Wash																					
G1	Prep Blank	0.001	0.58	1.15	0.13	0.57	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
G1	Prep Blank	0.001	0.59	1.17	0.13	0.58	<0.001	<0.001	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

QUALITY CONTROL REPORT

VAN07000388.1

		7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD		
		Bi	Ca	P	Cr	Mg	Al	Na	K	W	Hg	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%	%	%	
		0.01	0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.001	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01	0.01	0.01	
STD CCU-1C Expected																						
STD PBC-1 Expected																						
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001									
Prep Wash																						
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	

QUALITY CONTROL REPORT

VAN07000388.1

		7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	
		Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K	W	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	GM/T	%	%	%
		0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01
STD CCU-1C Expected																					
STD PBC-1 Expected																26.7		1800			
BLK	Blank																				
BLK	Blank													<0.001	<0.001	<0.02	<0.01	<2	<0.001	<0.001	<0.01
BLK	Blank													<0.001	<0.001	<0.02	<0.01	<2	<0.001	<0.001	<0.01
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

QUALITY CONTROL REPORT

VAN07000388.1

		7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	7TD.1	
		Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K	W
		%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.02	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01
STD CCU-1C Expected															
STD PBC-1 Expected															
BLK	Blank														
BLK	Blank	<0.01	<0.02	<0.01	<0.001	<0.01	<0.01	<0.01	<0.01	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01
BLK	Blank	<0.01	<0.02	<0.01	<0.001	<0.01	<0.01	<0.01	<0.01	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01
BLK	Blank														
Prep Wash															
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



ACME ANALYTICAL LABORATORIES LTD.

852 E. Hastings St. Vancouver BC V6A 1R6 Canada

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Client:

**CMC Metals Ltd.**

205 - 369 Terminal Ave  
Vancouver BC V6A 4C4 Canada

Submitted By:

Don Wedman

Receiving Lab:

Acme Analytical Laboratories (Vancouver) Ltd.

Received:

October 15, 2007

Report Date:

November 08, 2007

Page:

1 of 2

## CERTIFICATE OF ANALYSIS

VAN07000388A

### CLIENT JOB INFORMATION

Project: Silverhart  
Shipment ID:  
P.O. Number  
Number of Samples: 1

### SAMPLE DISPOSAL

RTRN-PLP Return

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

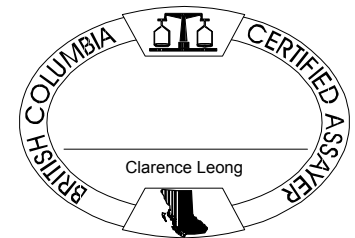
Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
No Prep	1	Sorting of samples on arrival and labeling		
7TD	1	4 Acid digestion ICP-ES analysis	0.5	Completed
7TD.1	1	4 Acid digestion ICP-ES analysis	0.1	Completed

### ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: CMC Metals Ltd.  
205 - 369 Terminal Ave  
Vancouver BC V6A 4C4  
Canada

CC: Farrell Andersen



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.



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**Client:** CMC Metals Ltd.  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 2 of 2 **Part** 1

## CERTIFICATE OF ANALYSIS

VAN07000388A.

Method	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na
Unit	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01	0.01	0.02	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01
305954 Core Pulp	<0.001	0.369	15.78	26.68	2943	<0.001	<0.001	0.26	2.08	0.06	<0.01	0.064	0.18	<0.01	0.01	<0.01	0.001	0.03	0.92	<0.01



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**Client:**

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205 - 369 Terminal Ave  
Vancouver BC V6A 4C4 Canada

**Project:**

Silverhart

**Report Date:**

November 08, 2007

**Page:**

2 of 2

Part 2

## CERTIFICATE OF ANALYSIS

VAN07000388A.

Method	7TD	7TD	7TD.1	
Analyte	K	W	Pb	
Unit	%	%	%	
MDL	0.01	0.01	0.02	
305954	Core Pulp	0.41	<0.01	20.21



**QUALITY CONTROL REPORT**

**VAN07000388A.**

Method	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD	7TD
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na
Unit	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL	0.001	0.001	0.02	0.01	2	0.001	0.001	0.01	0.01	0.02	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01
Reference Materials																				
STD GC-7 Standard																				
STD MP-2 Standard																				
STD PBC-1 Standard																				
STD PTC-1A Standard																				
STD R3T Standard	0.074	0.791	1.99	4.03	193	0.523	0.059	0.09	30.48	<0.02	<0.01	0.023	0.02	<0.01	2.19	0.05	0.020	1.65	2.41	0.31
STD R3T Standard	0.074	0.807	2.01	4.09	191	0.527	0.059	0.09	32.47	<0.02	<0.01	0.023	0.02	<0.01	2.22	0.06	0.020	1.65	2.42	0.32
STD R3T Expected	0.077	0.805	1.98	4.1	190	0.525	0.061	0.09	34.17	0.04	0.01	0.024	0.04		2.23	0.05	0.02	1.64	2.44	0.31
STD GC-7 Expected																				
STD PBC-1 Expected																				
STD PTC-1A Expected																				
BLK Blank	<0.001	<0.001	<0.02	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.02	<0.01	<0.001	<0.01	<0.01	<0.01	<0.01	<0.001	<0.01	<0.01	<0.01
BLK Blank																				



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Client:

**CMC Metals Ltd.**

205 - 369 Terminal Ave  
Vancouver BC V6A 4C4 Canada

Project:

Silverhart

Report Date:

November 08, 2007

Page:

1 of 1

Part 2

## QUALITY CONTROL REPORT

VAN07000388A.

Method		7TD	7TD	7TD.1
Analyte		K	W	Pb
Unit		%	%	%
MDL		0.01	0.01	0.02
Reference Materials				
STD GC-7	Standard			11.67
STD MP-2	Standard			0.04
STD PBC-1	Standard			28.92
STD PTC-1A	Standard			0.06
STD R3T	Standard	0.59	<0.01	
STD R3T	Standard	0.59	<0.01	
STD R3T Expected		0.59		
STD GC-7 Expected				10.44
STD PBC-1 Expected				26.7
STD PTC-1A Expected				0.05
BLK	Blank	<0.01	<0.01	
BLK	Blank			<0.02



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**Client:** CMC Metals Ltd.  
205 - 369 Terminal Ave  
Vancouver BC V6A 4C4 Canada

Submitted By: Don Wedman  
Receiving Lab: Acme Analytical Laboratories (Vancouver) Ltd.  
Received: September 04, 2007  
Report Date: November 08, 2007  
Page: 1 of 3

## CERTIFICATE OF ANALYSIS

VAN07000359.1

### CLIENT JOB INFORMATION

Project: Silverhart  
Shipment ID:  
P.O. Number  
Number of Samples: 50

### SAMPLE DISPOSAL

RTRN-PLP Return  
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

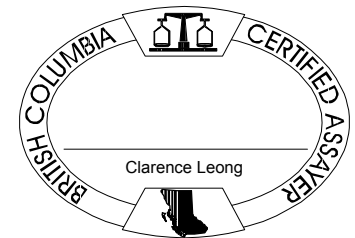
Invoice To: CMC Metals Ltd.  
205 - 369 Terminal Ave  
Vancouver BC V6A 4C4  
Canada

CC: Farrell Andersen

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	45	Crush split and pulverize drill core to 150mesh		
7AR	50	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed
7AR	2	1:1:1 Aqua Regia digestion ICP-ES analysis	0.1	Completed

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.



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**Client:** CMC Metals Ltd.  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 2 of 3 **Part** 1

**CERTIFICATE OF ANALYSIS**

**VAN07000359.1**

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	
Unit	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001	
701001	Drill Core	0.002	0.004	0.38	0.81	87	0.001	<0.001	1.45	11.34	<0.01	0.012	0.002	<0.001	0.03	11.90	0.081	<0.001	0.17	0.85	0.004
701002	Drill Core	<0.001	0.006	<0.01	0.04	<2	0.006	<0.001	0.34	7.56	<0.01	0.003	<0.001	<0.001	<0.01	11.25	0.052	0.011	1.17	1.97	0.003
701003	Drill Core	<0.001	0.015	0.04	0.46	4	0.003	0.001	0.56	13.72	<0.01	<0.001	0.001	<0.001	0.03	12.98	0.033	0.007	0.49	2.07	0.001
701004	Drill Core	0.001	0.230	8.13	17.84	751	<0.001	<0.001	0.82	14.14	0.06	<0.001	0.095	0.042	<0.01	0.34	0.008	<0.001	0.08	0.42	0.002
701005	Drill Core	<0.001	<0.001	0.02	0.02	<2	<0.001	<0.001	0.02	0.35	<0.01	0.004	<0.001	<0.001	<0.01	19.96	0.002	<0.001	12.16	0.06	0.002
701006	Drill Core	<0.001	0.026	0.57	1.51	50	<0.001	<0.001	1.75	17.17	<0.01	<0.001	0.005	0.001	<0.01	5.73	0.015	<0.001	0.23	1.24	0.001
701007	Drill Core	0.001	0.003	0.10	0.50	6	0.001	<0.001	1.08	9.24	<0.01	0.004	<0.001	<0.001	<0.01	12.29	0.017	0.001	0.31	2.06	0.002
701008	Drill Core	0.001	0.029	1.48	3.21	257	0.001	<0.001	5.12	16.19	<0.01	<0.001	0.010	0.017	<0.01	0.39	0.012	<0.001	0.39	0.44	0.007
701009	Drill Core	0.001	<0.001	0.03	0.10	<2	0.003	<0.001	0.61	5.08	<0.01	0.012	<0.001	<0.001	<0.01	10.81	0.051	0.004	0.66	1.88	0.003
701010	Drill Core	<0.001	0.483	1.37	2.91	19	<0.001	<0.001	0.42	2.51	<0.01	0.007	0.017	<0.001	<0.01	4.12	0.016	<0.001	0.30	0.47	0.046
701011	Drill Core	0.013	0.006	0.03	0.13	4	0.004	0.002	0.50	6.11	<0.01	0.022	<0.001	<0.001	<0.01	6.96	0.042	0.005	1.14	2.54	0.007
701012	Drill Core	<0.001	0.031	<0.01	0.03	<2	0.005	0.002	0.10	5.08	<0.01	0.009	<0.001	<0.001	<0.01	3.05	0.082	0.005	1.11	2.94	0.107
701013	Drill Core	<0.001	0.036	<0.01	0.02	<2	0.005	0.002	0.06	5.00	<0.01	0.012	<0.001	<0.001	<0.01	1.99	0.058	0.005	1.08	3.46	0.210
701014	Drill Core	<0.001	0.093	<0.01	0.02	<2	0.006	0.002	0.06	6.43	<0.01	0.025	<0.001	<0.001	<0.01	2.82	0.033	0.005	0.97	4.80	0.466
701015	Drill Core	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.02	0.15	<0.01	0.004	<0.001	<0.001	<0.01	20.05	0.002	<0.001	12.27	0.05	0.004
701016	Drill Core	<0.001	0.035	<0.01	0.01	<2	0.005	0.002	0.04	5.18	<0.01	0.013	<0.001	<0.001	<0.01	2.06	0.089	0.006	1.25	3.51	0.235
701017	Drill Core	<0.001	0.028	<0.01	0.01	<2	0.004	0.002	0.04	4.53	<0.01	0.011	<0.001	<0.001	<0.01	1.51	0.049	0.005	1.18	2.86	0.115
701018	Drill Core	<0.001	0.017	<0.01	0.01	<2	0.004	0.001	0.06	2.72	<0.01	0.040	<0.001	<0.001	<0.01	3.37	0.039	0.005	0.91	5.33	0.514
701019	Drill Core	0.001	0.015	<0.01	0.01	<2	0.004	0.002	0.09	3.87	<0.01	0.019	<0.001	<0.001	<0.01	1.53	0.029	0.006	1.19	2.77	0.144
701020	Drill Core	<0.001	0.475	1.37	2.85	19	<0.001	<0.001	0.40	2.50	<0.01	0.007	0.017	<0.001	<0.01	3.87	0.016	<0.001	0.30	0.49	0.054
701021	Drill Core	0.001	0.089	<0.01	0.01	<2	0.004	0.002	0.04	3.99	<0.01	0.037	<0.001	<0.001	<0.01	3.21	0.032	0.005	0.68	4.85	0.551
701022	Drill Core	0.002	0.125	<0.01	0.02	<2	0.008	0.004	0.11	3.14	<0.01	0.027	<0.001	<0.001	<0.01	3.18	0.027	0.005	0.93	4.11	0.333
701023	Drill Core	0.003	0.008	<0.01	0.11	<2	0.004	0.001	0.33	7.25	<0.01	0.014	<0.001	<0.001	<0.01	7.81	0.039	0.003	0.65	2.64	0.079
701024	Drill Core	0.003	0.001	<0.01	<0.01	<2	0.002	<0.001	0.38	4.44	<0.01	0.008	<0.001	<0.001	<0.01	9.79	0.022	0.003	0.37	2.01	0.008
701025	Drill Core	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.17	<0.01	0.004	<0.001	<0.001	<0.01	21.70	0.004	<0.001	11.82	0.05	0.003
701026	Drill Core	0.005	0.002	0.05	0.05	<2	<0.001	<0.001	0.64	10.11	<0.01	0.009	<0.001	<0.001	<0.01	15.08	0.020	<0.001	0.18	1.79	0.005
701027	Drill Core	<0.001	0.003	<0.01	<0.01	<2	<0.001	<0.001	0.38	9.45	<0.01	0.003	<0.001	<0.001	<0.01	14.32	0.068	0.001	0.09	1.76	0.003
701028	Drill Core	<0.001	0.004	<0.01	<0.01	<2	<0.001	<0.001	0.39	9.61	<0.01	0.003	<0.001	<0.001	<0.01	13.76	0.023	0.001	0.13	1.86	0.007
701029	Drill Core	<0.001	0.006	<0.01	<0.01	<2	<0.001	<0.001	0.39	10.06	<0.01	0.005	<0.001	<0.001	<0.01	15.93	0.029	0.002	0.14	1.78	0.003
701030	Drill Core	<0.001	0.476	1.37	2.84	19	<0.001	<0.001	0.41	2.37	<0.01	0.007	0.017	<0.001	<0.01	3.80	0.016	<0.001	0.30	0.48	0.051

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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**Client:** CMC Metals Ltd.  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 2 of 3 **Part** 2

## CERTIFICATE OF ANALYSIS

VAN07000359.1

Method	7AR	7AR	7AR	7AR
Analyte	K	W	Hg	Ag
Unit	%	%	%	GM/T
MDL	0.001	0.001	0.001	2
701001	Drill Core	0.076	0.017	<0.001
701002	Drill Core	0.043	0.007	<0.001
701003	Drill Core	0.025	0.008	<0.001
701004	Drill Core	0.091	0.089	<0.001 745
701005	Drill Core	0.008	<0.001	<0.001
701006	Drill Core	0.094	0.011	<0.001
701007	Drill Core	0.075	0.057	<0.001
701008	Drill Core	0.344	0.040	<0.001
701009	Drill Core	0.081	0.003	<0.001
701010	Drill Core	0.323	0.017	<0.001
701011	Drill Core	0.309	0.002	<0.001
701012	Drill Core	0.378	0.022	<0.001
701013	Drill Core	0.312	0.062	<0.001
701014	Drill Core	0.177	0.089	<0.001
701015	Drill Core	0.011	0.001	<0.001
701016	Drill Core	0.437	0.024	<0.001
701017	Drill Core	0.468	0.002	<0.001
701018	Drill Core	0.311	0.010	<0.001
701019	Drill Core	0.237	0.006	<0.001
701020	Drill Core	0.324	0.017	<0.001
701021	Drill Core	0.165	0.096	<0.001
701022	Drill Core	0.458	0.003	<0.001
701023	Drill Core	0.143	0.028	<0.001
701024	Drill Core	0.012	0.158	<0.001
701025	Drill Core	0.008	0.001	<0.001
701026	Drill Core	0.067	0.191	<0.001
701027	Drill Core	0.015	0.022	<0.001
701028	Drill Core	0.015	0.006	<0.001
701029	Drill Core	0.017	0.008	<0.001
701030	Drill Core	0.321	0.021	<0.001



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**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 3 of 3 **Part** 1

# CERTIFICATE OF ANALYSIS

VAN07000359.1

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	
Unit	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001	
701031	Drill Core	0.005	0.005	0.03	0.17	<2	<0.001	<0.001	0.68	11.19	<0.01	0.008	<0.001	<0.001	0.01	16.89	0.049	0.002	0.15	1.78	0.002
701032	Drill Core	0.004	0.002	<0.01	<0.01	<2	<0.001	<0.001	0.51	11.16	<0.01	0.008	<0.001	<0.001	<0.01	18.14	0.154	0.002	0.16	2.11	0.002
701033	Drill Core	0.001	<0.001	<0.01	0.01	<2	0.001	<0.001	0.45	5.62	<0.01	0.007	<0.001	<0.001	<0.01	11.61	0.020	0.003	0.35	2.29	0.003
701034	Drill Core	<0.001	<0.001	<0.01	0.12	<2	<0.001	<0.001	0.86	2.13	<0.01	0.006	<0.001	<0.001	<0.01	25.44	0.103	0.002	0.58	0.73	0.003
701035	Drill Core	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.10	<0.01	0.004	<0.001	<0.001	<0.01	19.69	0.003	<0.001	12.16	0.04	0.003
701036	Drill Core	0.002	0.006	0.77	1.46	156	<0.001	0.001	2.07	10.57	<0.01	0.003	0.005	0.001	0.03	9.04	0.047	<0.001	0.19	0.74	0.002
701037	Drill Core	<0.001	0.001	<0.01	0.04	<2	<0.001	0.001	0.39	6.64	<0.01	0.002	<0.001	<0.001	0.03	11.79	0.027	0.001	0.14	1.12	0.002
701038	Drill Core	<0.001	0.001	<0.01	0.04	<2	<0.001	<0.001	0.39	6.07	<0.01	0.002	<0.001	<0.001	0.02	10.77	0.049	0.003	0.19	1.16	0.003
701039	Drill Core	<0.001	0.002	0.01	0.09	<2	<0.001	0.002	0.48	6.42	<0.01	0.002	<0.001	<0.001	<0.01	9.79	0.037	0.002	0.19	1.13	0.002
701040	Drill Core	<0.001	0.481	1.39	2.92	17	<0.001	<0.001	0.43	2.56	<0.01	0.007	0.018	<0.001	<0.01	3.97	0.017	0.001	0.30	0.50	0.055
701041	Drill Core	<0.001	0.006	<0.01	0.04	<2	<0.001	0.001	0.33	8.17	<0.01	0.002	<0.001	<0.001	0.04	11.79	0.023	<0.001	0.09	1.07	0.002
701042	Drill Core	<0.001	0.003	<0.01	0.03	<2	<0.001	0.001	0.32	5.78	<0.01	0.002	<0.001	<0.001	0.07	10.23	0.044	0.002	0.07	0.79	0.002
701043	Drill Core	<0.001	0.004	<0.01	0.04	<2	<0.001	0.001	0.41	6.51	<0.01	0.003	<0.001	<0.001	0.02	11.18	0.019	0.001	0.14	1.09	0.002
701044	Drill Core	0.001	0.011	<0.01	0.02	<2	<0.001	0.002	0.38	7.21	<0.01	0.003	<0.001	<0.001	0.03	10.69	0.022	0.001	0.23	1.21	0.003
701045	Drill Core	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.13	<0.01	0.004	<0.001	<0.001	<0.01	20.02	0.001	<0.001	12.26	0.02	0.003
701046	Drill Core	0.001	0.004	0.04	0.10	<2	<0.001	<0.001	0.45	9.52	<0.01	0.003	<0.001	<0.001	0.02	12.73	0.049	0.001	0.17	1.11	0.002
701047	Drill Core	<0.001	0.007	0.15	0.20	10	<0.001	<0.001	0.82	11.29	<0.01	0.003	<0.001	<0.001	0.03	13.12	0.035	0.001	0.29	1.33	0.002
701048	Drill Core	0.002	0.001	<0.01	0.10	<2	<0.001	<0.001	0.57	8.01	<0.01	0.002	<0.001	<0.001	<0.01	12.84	0.017	<0.001	0.28	2.11	0.003
701049	Drill Core	0.002	0.140	1.36	21.62	605	<0.001	<0.001	2.26	11.01	<0.01	0.002	0.077	0.029	<0.01	1.47	0.004	<0.001	0.20	0.32	0.005
701050	Drill Core	<0.001	0.480	1.40	2.89	20	<0.001	<0.001	0.43	2.57	<0.01	0.007	0.018	0.001	<0.01	4.01	0.015	0.001	0.30	0.50	0.056



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**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 3 of 3 **Part** 2

CERTIFICATE OF ANALYSIS

VAN07000359.1

Method	7AR	7AR	7AR	7AR
Analyte	K	W	Hg	Ag
Unit	%	%	%	GM/T
MDL	0.001	0.001	0.001	2
701031	Drill Core	0.026	0.336	<0.001
701032	Drill Core	0.013	0.146	<0.001
701033	Drill Core	0.019	0.059	<0.001
701034	Drill Core	0.005	0.018	<0.001
701035	Drill Core	0.012	0.001	<0.001
701036	Drill Core	0.057	0.046	<0.001
701037	Drill Core	0.022	0.056	<0.001
701038	Drill Core	0.015	0.018	<0.001
701039	Drill Core	0.015	0.004	<0.001
701040	Drill Core	0.331	<0.001	<0.001
701041	Drill Core	0.016	0.006	<0.001
701042	Drill Core	0.011	0.056	<0.001
701043	Drill Core	0.034	0.051	<0.001
701044	Drill Core	0.048	0.017	<0.001
701045	Drill Core	0.006	<0.001	<0.001
701046	Drill Core	0.028	0.008	<0.001
701047	Drill Core	0.029	0.016	<0.001
701048	Drill Core	0.004	0.182	<0.001
701049	Drill Core	0.176	<0.001	<0.001 596
701050	Drill Core	0.337	<0.001	<0.001



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Client: **CMC Metals Ltd.**  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

Project: Silverhart  
 Report Date: November 08, 2007

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

VAN07000359.1

Method	Analyte	Unit	MDL	7AR Mo	7AR Cu	7AR Pb	7AR Zn	7AR Ag	7AR Ni	7AR Co	7AR Mn	7AR Fe	7AR As	7AR Sr	7AR Cd	7AR Sb	7AR Bi	7AR Ca	7AR P	7AR Cr	7AR Mg	7AR Al	7AR Na
				%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
				0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001
Pulp Duplicates																							
701018	Drill Core			<0.001	0.017	<0.01	0.01	<2	0.004	0.001	0.06	2.72	<0.01	0.040	<0.001	<0.001	<0.01	3.37	0.039	0.005	0.91	5.33	0.514
REP 701018	QC			<0.001	0.017	<0.01	0.01	<2	0.004	0.001	0.05	2.74	<0.01	0.039	<0.001	<0.001	<0.01	3.44	0.039	0.005	0.87	5.36	0.505
REP 701038	QC																						
701048	Drill Core			0.002	0.001	<0.01	0.10	<2	<0.001	<0.001	0.57	8.01	<0.01	0.002	<0.001	<0.001	<0.01	12.84	0.017	<0.001	0.28	2.11	0.003
REP 701048	QC			0.003	0.001	<0.01	0.10	<2	<0.001	<0.001	0.56	7.76	<0.01	0.002	<0.001	<0.001	<0.01	12.33	0.017	<0.001	0.28	2.02	0.003
Core Reject Duplicates																							
701003	Drill Core			<0.001	0.015	0.04	0.46	4	0.003	0.001	0.56	13.72	<0.01	<0.001	0.001	<0.001	0.03	12.98	0.033	0.007	0.49	2.07	0.001
DUP 701003	QC			<0.001	0.014	0.03	0.42	<2	0.002	<0.001	0.49	13.39	<0.01	<0.001	0.001	<0.001	0.03	12.70	0.028	0.005	0.40	1.92	<0.001
701038	Drill Core			<0.001	0.001	<0.01	0.04	<2	<0.001	<0.001	0.39	6.07	<0.01	0.002	<0.001	<0.001	0.02	10.77	0.049	0.003	0.19	1.16	0.003
DUP 701038	QC			<0.001	0.001	<0.01	0.04	<2	<0.001	0.001	0.39	6.15	<0.01	0.002	<0.001	0.002	0.02	11.21	0.047	0.003	0.17	1.16	0.003
Reference Materials																							
STD CCU-1C	Standard																						
STD CZN-3	Standard																						
STD MP-2	Standard																						
STD PBC-1	Standard																						
STD PTC-1A	Standard																						
STD R3A	Standard			0.077	0.815	1.98	4.00	200	0.545	0.061	0.07	31.55	0.04	0.003	0.023	0.040	<0.01	1.29	0.049	0.012	1.06	1.07	0.034
STD R3A	Standard			0.076	0.814	1.93	3.95	200	0.544	0.061	0.07	31.21	0.04	0.003	0.023	0.038	<0.01	1.28	0.048	0.011	1.05	1.08	0.038
STD R3A	Standard			0.078	0.804	1.98	3.98	200	0.543	0.061	0.07	31.47	0.04	0.003	0.023	0.038	<0.01	1.27	0.048	0.011	1.04	1.06	0.032
STD R3A	Standard			0.076	0.804	1.93	3.95	201	0.545	0.061	0.06	31.21	0.04	0.003	0.023	0.039	<0.01	1.26	0.048	0.011	1.03	1.06	0.032
STD R3A Expected				0.077	0.811	1.92	4.03	197	0.524	0.062	0.07	32.47	0.04	0.003	0.023	0.031		1.29	0.05	0.011	1.04	1.08	0.04
STD CZN-3 Expected																							
STD MP-2 Expected																							
STD PTC-1A Expected																							
STD CCU-1C Expected																							
STD PBC-1 Expected																							
BLK	Blank			<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001
BLK	Blank			<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001

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**Project:** Silverhart  
**Report Date:** November 08, 2007

**Page:** 1 of 2 **Part** 2

## QUALITY CONTROL REPORT

VAN07000359.1

Method		7AR	7AR	7AR	7AR
Analyte		K	W	Hg	Ag
Unit		%	%	%	GM/T
MDL		0.001	0.001	0.001	2
Pulp Duplicates					
701018	Drill Core	0.311	0.010	<0.001	
REP 701018	QC	0.303	0.010	<0.001	
REP 701038	QC				<2
701048	Drill Core	0.004	0.182	<0.001	
REP 701048	QC	0.004	0.183	<0.001	
Core Reject Duplicates					
701003	Drill Core	0.025	0.008	<0.001	
DUP 701003	QC	0.017	0.007	<0.001	<2
701038	Drill Core	0.015	0.018	<0.001	
DUP 701038	QC	0.015	0.019	<0.001	<2
Reference Materials					
STD CCU-1C	Standard				113
STD CZN-3	Standard				38
STD MP-2	Standard				<2
STD PBC-1	Standard				1885
STD PTC-1A	Standard				41
STD R3A	Standard	0.427	<0.001	0.002	
STD R3A	Standard	0.427	<0.001	0.002	
STD R3A	Standard	0.421	0.021	0.003	
STD R3A	Standard	0.422	0.024	0.002	
STD R3A Expected		0.41		0.002	
STD CZN-3 Expected					45
STD MP-2 Expected					4.9
STD PTC-1A Expected					56
STD CCU-1C Expected					129
STD PBC-1 Expected					1800
BLK	Blank	<0.001	<0.001	<0.001	
BLK	Blank	<0.001	<0.001	<0.001	

QUALITY CONTROL REPORT

VAN07000359.1

		7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na
		%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001
BLK	Blank																				
	Prep Wash																				
G1	Prep Blank	<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001	0.06	2.13	<0.01	0.007	<0.001	<0.001	<0.01	0.55	0.074	<0.001	0.62	1.19	0.125
G1	Prep Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.06	2.13	<0.01	0.007	<0.001	<0.001	<0.01	0.52	0.076	<0.001	0.62	1.24	0.142



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Project:

Silverhart

Report Date:

November 08, 2007

Page:

2 of 2

Part 2

## QUALITY CONTROL REPORT

VAN07000359.1

		7AR	7AR	7AR	7AR
		K	W	Hg	Ag
		%	%	%	GM/T
		0.001	0.001	0.001	2
BLK	Blank				<2
Prep Wash					
G1	Prep Blank	0.576	<0.001	<0.001	
G1	Prep Blank	0.597	<0.001	<0.001	



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Client:

**CMC Metals Ltd.**

205 - 369 Terminal Ave  
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Submitted By:

Don Wedman

Receiving Lab:

Acme Analytical Laboratories (Vancouver) Ltd.

Received:

September 07, 2007

Report Date:

November 07, 2007

Page:

1 of 3

## CERTIFICATE OF ANALYSIS

VAN07001088.1

### CLIENT JOB INFORMATION

Project: Silverhart  
Shipment ID:  
P.O. Number  
Number of Samples: 50

### SAMPLE DISPOSAL

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

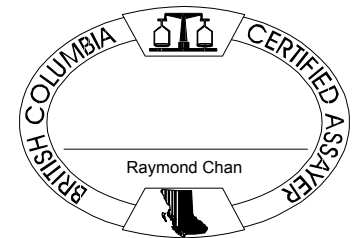
Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	45	Crush split and pulverize drill core to 150mesh		
7AR	50	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed
7AR	3	1:1:1 Aqua Regia digestion ICP-ES analysis	0.1	Completed

### ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: CMC Metals Ltd.  
205 - 369 Terminal Ave  
Vancouver BC V6A 4C4  
Canada

CC: Farrell Andersen



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.



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Project: Silverhart  
 Report Date: November 07, 2007

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

VAN07001088.1

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	
Unit	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001	
701051	Drill Core	<0.001	0.014	0.43	3.28	63	0.002	<0.001	1.33	6.43	0.01	<0.001	0.011	0.002	<0.01	0.18	0.045	0.003	0.17	0.70	0.008
701052	Drill Core	<0.001	0.015	0.43	1.61	40	0.006	0.002	1.03	6.91	0.02	0.004	0.002	0.003	<0.01	3.00	0.029	0.002	0.57	0.72	0.007
701053	Drill Core	<0.001	0.013	<0.01	0.07	<2	0.005	0.002	0.06	5.08	<0.01	0.018	<0.001	<0.001	<0.01	4.94	0.033	0.005	0.86	3.55	0.252
701054	Drill Core	<0.001	0.006	<0.01	0.04	<2	0.004	0.001	0.04	3.29	<0.01	0.016	<0.001	<0.001	<0.01	2.59	0.038	0.005	0.90	3.48	0.273
701055	Rock	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.15	<0.01	0.005	<0.001	<0.001	<0.01	21.30	0.002	<0.001	12.42	0.07	0.006
701056	Drill Core	0.006	0.001	<0.01	0.07	<2	0.002	<0.001	0.54	7.04	<0.01	0.014	<0.001	<0.001	<0.01	12.76	0.041	0.003	0.74	2.23	0.005
701057	Drill Core	0.005	<0.001	<0.01	0.15	<2	0.001	<0.001	0.83	6.61	<0.01	0.035	<0.001	<0.001	<0.01	21.90	0.018	<0.001	0.34	1.24	0.002
701058	Drill Core	0.016	0.004	<0.01	<0.01	<2	0.001	<0.001	0.60	10.63	<0.01	0.011	<0.001	<0.001	<0.01	15.70	0.055	0.002	0.43	2.19	0.004
701059	Drill Core	<0.001	0.019	0.02	0.05	15	0.004	0.002	0.42	5.12	<0.01	0.014	<0.001	0.002	<0.01	4.12	0.042	0.002	0.97	0.93	0.009
701060	Rock Pulp	<0.001	0.490	1.51	2.87	20	<0.001	<0.001	0.42	2.52	<0.01	0.007	0.018	<0.001	<0.01	4.05	0.016	0.001	0.32	0.47	0.047
701061	Drill Core	0.001	0.023	<0.01	0.01	<2	0.005	0.002	0.09	5.15	<0.01	0.004	<0.001	<0.001	<0.01	0.97	0.045	0.004	1.02	1.33	0.019
701062	Drill Core	0.002	0.019	<0.01	0.01	<2	0.004	0.001	0.07	4.62	<0.01	0.005	<0.001	<0.001	<0.01	0.87	0.033	0.004	1.34	2.32	0.026
701063	Drill Core	0.006	0.126	<0.01	0.03	<2	0.006	0.002	0.08	6.26	<0.01	0.006	<0.001	<0.001	<0.01	1.28	0.043	0.006	1.19	1.88	0.024
701064	Drill Core	<0.001	0.012	0.27	0.70	31	0.006	0.002	1.48	8.57	0.02	0.004	0.002	0.004	<0.01	1.11	0.100	0.003	0.61	1.31	0.023
701065	Rock	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.14	<0.01	0.005	<0.001	<0.001	<0.01	20.52	0.002	<0.001	12.48	0.04	0.003
701066	Drill Core	<0.001	0.008	<0.01	0.09	<2	0.005	0.001	0.07	3.32	<0.01	0.020	<0.001	<0.001	<0.01	3.77	0.055	0.005	0.88	2.55	0.148
701067	Drill Core	<0.001	0.018	0.25	0.62	22	0.003	<0.001	0.22	3.51	<0.01	0.024	0.002	0.002	<0.01	6.03	0.035	0.005	1.24	2.43	0.180
701068	Drill Core	<0.001	0.018	<0.01	0.07	<2	0.003	<0.001	0.11	3.20	<0.01	0.028	<0.001	<0.001	<0.01	5.60	0.032	0.003	0.67	2.36	0.234
701069	Drill Core	<0.001	0.013	<0.01	0.05	<2	0.004	<0.001	0.15	3.62	<0.01	0.027	<0.001	<0.001	<0.01	5.41	0.036	0.006	0.85	3.28	0.236
701070	Rock Pulp	<0.001	0.468	1.52	2.90	20	<0.001	<0.001	0.40	2.56	<0.01	0.007	0.018	<0.001	<0.01	3.91	0.016	0.001	0.32	0.49	0.048
701071	Drill Core	0.002	0.009	<0.01	0.20	<2	0.003	0.001	0.20	5.31	<0.01	0.013	<0.001	0.001	<0.01	6.92	0.048	0.003	0.53	1.60	0.022
701072	Drill Core	<0.001	0.021	2.64	1.45	146	0.003	0.001	1.18	4.99	<0.01	0.004	0.004	0.015	<0.01	1.61	0.252	0.001	0.34	0.76	0.010
701073	Drill Core	<0.001	0.008	<0.01	0.08	<2	0.003	<0.001	0.17	3.64	<0.01	0.037	<0.001	<0.001	<0.01	7.95	0.060	0.006	0.93	3.58	0.230
701074	Drill Core	0.006	0.010	0.03	0.11	4	0.002	<0.001	0.54	7.91	<0.01	0.016	<0.001	<0.001	<0.01	11.89	0.109	0.002	0.59	1.98	0.005
701075	Rock	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.12	<0.01	0.005	<0.001	<0.001	<0.01	19.95	0.002	<0.001	12.80	0.05	0.004
701076	Drill Core	<0.001	0.080	7.64	4.78	1000	0.001	0.001	1.41	10.89	0.05	0.014	0.015	0.099	<0.01	10.16	0.082	<0.001	0.35	1.07	0.005
701077	Drill Core	<0.001	<0.001	<0.01	0.01	3	0.002	<0.001	0.49	8.63	<0.01	0.009	<0.001	<0.001	<0.01	14.49	0.023	0.005	1.22	2.35	0.016
701078	Drill Core	<0.001	0.079	11.17	4.46	1650	<0.001	<0.001	0.73	4.94	<0.01	0.003	0.016	0.251	<0.01	4.48	0.006	<0.001	0.18	0.58	0.004
701079	Drill Core	<0.001	<0.001	0.04	0.01	5	0.001	<0.001	0.52	11.66	<0.01	0.003	<0.001	<0.001	<0.01	15.97	0.022	0.003	0.34	2.06	0.005
701080	Rock Pulp	<0.001	0.494	1.51	2.81	18	<0.001	<0.001	0.41	2.29	<0.01	0.006	0.016	<0.001	<0.01	3.94	0.014	<0.001	0.31	0.48	0.051

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**Project:** Silverhart  
**Report Date:** November 07, 2007

**Page:** 2 of 3 **Part** 2

## CERTIFICATE OF ANALYSIS

VAN07001088.1

Method	7AR	7AR	7AR	7AR
Analyte	K	W	Hg	Ag
Unit	%	%	%	GM/T
MDL	0.001	0.001	0.001	2
701051	Drill Core	0.455	0.002	<0.001
701052	Drill Core	0.547	<0.001	<0.001
701053	Drill Core	0.306	<0.001	<0.001
701054	Drill Core	0.379	<0.001	<0.001
701055	Rock	0.015	<0.001	<0.001
701056	Drill Core	0.071	0.207	<0.001
701057	Drill Core	0.007	0.071	<0.001
701058	Drill Core	0.007	0.180	<0.001
701059	Drill Core	0.396	0.007	<0.001
701060	Rock Pulp	0.345	0.003	<0.001
701061	Drill Core	0.362	0.030	<0.001
701062	Drill Core	0.398	<0.001	<0.001
701063	Drill Core	0.355	0.002	<0.001
701064	Drill Core	0.558	0.005	<0.001
701065	Rock	0.013	<0.001	<0.001
701066	Drill Core	0.385	0.007	<0.001
701067	Drill Core	0.342	0.028	<0.001
701068	Drill Core	0.299	0.004	<0.001
701069	Drill Core	0.184	0.018	<0.001
701070	Rock Pulp	0.346	0.001	<0.001
701071	Drill Core	0.381	0.210	<0.001
701072	Drill Core	0.544	0.036	<0.001
701073	Drill Core	0.279	0.012	<0.001
701074	Drill Core	0.208	0.254	<0.001
701075	Rock	0.010	0.004	<0.001
701076	Drill Core	0.147	0.023	<0.001 849
701077	Drill Core	0.037	0.005	<0.001
701078	Drill Core	0.045	0.009	<0.001 3806
701079	Drill Core	0.012	0.042	<0.001
701080	Rock Pulp	0.393	<0.001	<0.001



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 Vancouver BC V6A 4C4 Canada

**Project:** Silverhart  
**Report Date:** November 07, 2007

**Page:** 3 of 3 **Part** 1

**CERTIFICATE OF ANALYSIS**

**VAN07001088.1**

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	
Unit	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001	
701081	Drill Core	<0.001	0.002	0.20	0.02	16	<0.001	<0.001	0.57	11.84	<0.01	0.005	<0.001	0.002	<0.01	17.01	0.015	0.002	0.31	2.29	0.005
701082	Drill Core	<0.001	0.002	<0.01	<0.01	<2	0.002	<0.001	0.29	3.43	<0.01	0.006	<0.001	<0.001	<0.01	8.31	0.043	0.005	0.64	2.20	0.003
701083	Drill Core	<0.001	0.004	0.07	0.44	<2	0.002	<0.001	0.74	5.91	<0.01	0.009	0.002	<0.001	<0.01	8.82	0.075	0.003	0.61	2.58	0.004
701084	Drill Core	0.001	0.002	<0.01	<0.01	<2	0.002	<0.001	0.44	4.53	<0.01	0.006	<0.001	<0.001	<0.01	11.35	0.080	0.003	0.58	2.85	0.007
701085	Rock	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.12	<0.01	0.004	<0.001	<0.001	<0.01	25.51	0.003	<0.001	12.32	0.03	0.004
701086	Drill Core	<0.001	0.003	0.06	0.23	3	0.005	<0.001	0.61	3.50	<0.01	0.009	<0.001	<0.001	<0.01	7.73	0.052	0.005	0.99	2.37	0.015
701087	Drill Core	<0.001	<0.001	<0.01	<0.01	<2	0.001	<0.001	0.33	2.89	<0.01	0.012	<0.001	<0.001	<0.01	9.76	0.022	0.003	0.60	3.08	0.023
701088	Drill Core	<0.001	0.052	6.13	2.46	529	0.002	<0.001	1.46	5.48	<0.01	0.013	0.009	0.059	<0.01	7.64	0.022	0.003	0.53	2.09	0.016
701089	Drill Core	<0.001	<0.001	0.02	0.01	2	0.001	<0.001	0.24	2.41	<0.01	0.069	<0.001	<0.001	<0.01	8.63	0.034	0.003	0.60	4.47	0.097
701090	Rock Pulp	<0.001	0.476	1.49	2.94	18	<0.001	<0.001	0.44	2.36	<0.01	0.007	0.017	<0.001	<0.01	4.02	0.016	<0.001	0.30	0.56	0.076
701091	Drill Core	0.008	0.010	0.03	0.03	<2	<0.001	<0.001	0.36	11.67	<0.01	0.011	<0.001	<0.001	<0.01	19.81	0.070	<0.001	0.24	1.48	0.005
701092	Drill Core	0.003	0.016	<0.01	<0.01	<2	0.001	0.002	0.39	12.82	<0.01	0.004	<0.001	<0.001	<0.01	19.04	0.028	0.002	0.17	1.69	0.006
701093	Drill Core	0.002	0.078	<0.01	0.01	<2	0.003	0.004	0.22	9.29	<0.01	0.019	<0.001	<0.001	<0.01	7.63	0.075	0.003	0.41	4.14	0.155
701094	Drill Core	<0.001	0.005	0.02	0.07	3	0.004	0.001	0.22	4.40	<0.01	0.009	<0.001	<0.001	<0.01	1.62	0.172	0.002	1.08	1.84	0.029
701095	Rock	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.16	<0.01	0.004	<0.001	<0.001	<0.01	26.46	0.003	<0.001	12.41	0.04	0.003
701096	Drill Core	<0.001	0.004	0.02	0.09	2	0.004	0.001	0.17	4.45	<0.01	0.006	<0.001	<0.001	<0.01	0.80	0.033	0.003	1.12	1.74	0.032
701097	Drill Core	<0.001	0.004	<0.01	0.01	<2	0.005	0.002	0.04	5.53	<0.01	0.005	<0.001	<0.001	<0.01	0.67	0.028	0.005	1.51	3.28	0.030
701098	Drill Core	<0.001	0.005	<0.01	<0.01	<2	0.003	0.001	0.05	3.20	<0.01	0.016	<0.001	<0.001	<0.01	3.02	0.030	<0.001	0.90	0.75	0.015
701099	Drill Core	<0.001	0.006	<0.01	<0.01	<2	0.004	0.001	0.06	2.32	<0.01	0.023	<0.001	<0.001	<0.01	4.20	0.049	<0.001	0.76	0.90	0.007
701100	Rock Pulp	<0.001	0.462	1.45	2.88	18	<0.001	<0.001	0.42	2.23	<0.01	0.007	0.016	0.001	<0.01	3.88	0.015	<0.001	0.29	0.51	0.061



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**Project:** Silverhart  
**Report Date:** November 07, 2007

**Page:** 3 of 3 **Part** 2

# CERTIFICATE OF ANALYSIS

VAN07001088.1

Method	7AR	7AR	7AR	7AR
Analyte	K	W	Hg	Ag
Unit	%	%	%	GM/T
MDL	0.001	0.001	0.001	2
701081	Drill Core	0.015	0.055	<0.001
701082	Drill Core	0.005	0.009	<0.001
701083	Drill Core	0.067	0.014	<0.001
701084	Drill Core	0.014	0.025	<0.001
701085	Rock	0.012	<0.001	<0.001
701086	Drill Core	0.125	<0.001	<0.001
701087	Drill Core	0.027	0.015	<0.001
701088	Drill Core	0.375	<0.001	<0.001 473
701089	Drill Core	0.058	0.003	<0.001
701090	Rock Pulp	0.347	<0.001	<0.001
701091	Drill Core	0.024	0.015	<0.001
701092	Drill Core	0.015	0.003	<0.001
701093	Drill Core	0.077	0.021	<0.001
701094	Drill Core	0.940	<0.001	<0.001
701095	Rock	0.014	<0.001	<0.001
701096	Drill Core	0.713	<0.001	<0.001
701097	Drill Core	0.974	<0.001	<0.001
701098	Drill Core	0.484	<0.001	<0.001
701099	Drill Core	0.501	<0.001	<0.001
701100	Rock Pulp	0.327	<0.001	<0.001





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**Project:** Silverhart  
**Report Date:** November 07, 2007

**Page:** 1 of 2 **Part** 1

## QUALITY CONTROL REPORT

VAN07001088.1

Method		7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na
Unit		%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL		0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001
Pulp Duplicates																					
701077	Drill Core	<0.001	<0.001	<0.01	0.01	3	0.002	<0.001	0.49	8.63	<0.01	0.009	<0.001	<0.001	<0.01	14.49	0.023	0.005	1.22	2.35	0.016
REP 701077	QC	<0.001	<0.001	0.01	0.01	<2	0.001	<0.001	0.50	8.72	<0.01	0.009	<0.001	<0.001	<0.01	14.46	0.023	0.005	1.22	2.35	0.017
Core Reject Duplicates																					
701071	Drill Core	0.002	0.009	<0.01	0.20	<2	0.003	0.001	0.20	5.31	<0.01	0.013	<0.001	0.001	<0.01	6.92	0.048	0.003	0.53	1.60	0.022
DUP 701071	QC	0.003	0.010	<0.01	0.19	<2	0.003	0.001	0.22	5.60	<0.01	0.013	<0.001	<0.001	<0.01	7.61	0.055	0.004	0.51	1.60	0.020
Reference Materials																					
STD CCU-1C	Standard																				
STD CCU-1C	Standard																				
STD CZN-3	Standard																				
STD CZN-3	Standard																				
STD MP-2	Standard																				
STD MP-2	Standard																				
STD PBC-1	Standard																				
STD PBC-1	Standard																				
STD PTC-1A	Standard																				
STD PTC-1A	Standard																				
STD R3A	Standard	0.070	0.811	2.08	3.85	195	0.525	0.062	0.06	29.11	0.04	0.003	0.023	0.036	<0.01	1.28	0.045	0.010	0.99	1.06	0.037
STD R3A	Standard	0.069	0.779	2.08	3.90	194	0.538	0.063	0.06	28.81	0.04	0.003	0.024	0.035	<0.01	1.28	0.044	0.011	1.00	1.07	0.038
STD R3A	Standard	0.071	0.798	2.02	3.83	196	0.527	0.062	0.07	30.36	0.04	0.003	0.024	0.037	<0.01	1.29	0.047	0.011	1.00	1.05	0.034
STD R3A	Standard	0.075	0.813	2.07	3.86	206	0.535	0.064	0.07	30.50	0.04	0.003	0.025	0.039	<0.01	1.30	0.049	0.012	1.02	1.05	0.035
STD R3A	Standard	0.070	0.822	1.97	3.90	196	0.522	0.059	0.07	29.31	0.04	0.003	0.022	0.032	<0.01	1.33	0.048	0.012	1.04	1.10	0.042
STD R3A	Standard	0.069	0.781	2.05	4.06	194	0.541	0.061	0.07	30.88	0.04	0.003	0.023	0.030	<0.01	1.34	0.047	0.012	1.06	1.14	0.043
STD R3A	Standard	0.070	0.822	1.97	3.90	196	0.522	0.059	0.07	29.31	0.04	0.003	0.022	0.032	<0.01	1.33	0.048	0.012	1.04	1.10	0.042
STD R3A	Standard	0.069	0.781	2.05	4.06	194	0.541	0.061	0.07	30.88	0.04	0.003	0.023	0.030	<0.01	1.34	0.047	0.012	1.06	1.14	0.043
STD R3A Expected		0.077	0.811	1.92	4.03	197	0.524	0.062	0.07	32.47	0.04	0.003	0.023	0.031		1.29	0.05	0.011	1.04	1.08	0.04
STD CZN-3 Expected																					
STD MP-2 Expected																					
STD PTC-1A Expected																					



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**Project:** Silverhart  
**Report Date:** November 07, 2007

**Page:** 1 of 2 **Part** 2

## QUALITY CONTROL REPORT

VAN07001088.1

Method		7AR	7AR	7AR	7AR
Analyte		K	W	Hg	Ag
Unit		%	%	%	GM/T
MDL		0.001	0.001	0.001	2
Pulp Duplicates					
701077	Drill Core	0.037	0.005	<0.001	
REP 701077	QC	0.041	0.005	<0.001	
Core Reject Duplicates					
701071	Drill Core	0.381	0.210	<0.001	
DUP 701071	QC	0.359	0.227	<0.001	
Reference Materials					
STD CCU-1C	Standard				129
STD CCU-1C	Standard				118
STD CZN-3	Standard				30
STD CZN-3	Standard				39
STD MP-2	Standard				<2
STD MP-2	Standard				12
STD PBC-1	Standard				1734
STD PBC-1	Standard				1720
STD PTC-1A	Standard				51
STD PTC-1A	Standard				58
STD R3A	Standard	0.493	<0.001	0.002	
STD R3A	Standard	0.498	<0.001	0.002	
STD R3A	Standard	0.425	<0.001	0.002	
STD R3A	Standard	0.440	0.004	0.002	
STD R3A	Standard	0.414	<0.001	0.002	
STD R3A	Standard	0.420	<0.001	0.002	
STD R3A	Standard	0.414	<0.001	0.002	
STD R3A	Standard	0.420	<0.001	0.002	
STD R3A Expected		0.41		0.002	
STD CZN-3 Expected					45
STD MP-2 Expected					4.9
STD PTC-1A Expected					56



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**Project:** Silverhart  
**Report Date:** November 07, 2007

**Page:** 2 of 2 **Part** 1

**QUALITY CONTROL REPORT**

**VAN07001088.1**

		7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na
		%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001
STD CCU-1C Expected																					
STD PBC-1 Expected																					
BLK	Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001
BLK	Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001
BLK	Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001
BLK	Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.06	1.92	<0.01	0.008	<0.001	<0.001	<0.01	0.54	0.074	0.005	0.64	1.25	0.141
G1	Prep Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.05	1.90	<0.01	0.008	<0.001	<0.001	<0.01	0.55	0.074	<0.001	0.62	1.22	0.126



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**Project:** Silverhart  
**Report Date:** November 07, 2007

**Page:** 2 of 2 **Part** 2

## QUALITY CONTROL REPORT

VAN07001088.1

		7AR K %	7AR W %	7AR Hg %	7AR Ag GM/T
		0.001	0.001	0.001	2
STD CCU-1C Expected					129
STD PBC-1 Expected					1800
BLK	Blank	<0.001	<0.001	<0.001	
BLK	Blank	<0.001	<0.001	<0.001	
BLK	Blank	<0.001	<0.001	<0.001	
BLK	Blank	<0.001	<0.001	<0.001	
BLK	Blank				<2
BLK	Blank				<2
Prep Wash					
G1	Prep Blank	0.616	<0.001	<0.001	
G1	Prep Blank	0.596	<0.001	<0.001	



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Client:

**CMC Metals Ltd.**

205 - 369 Terminal Ave  
Vancouver BC V6A 4C4 Canada

Submitted By:

Don Wedman

Receiving Lab:

Acme Analytical Laboratories (Vancouver) Ltd.

Received:

September 12, 2007

Report Date:

December 04, 2007

Page:

1 of 3

## CERTIFICATE OF ANALYSIS

VAN07001417.1

### CLIENT JOB INFORMATION

Project: Silverhart  
Shipment ID:  
P.O. Number  
Number of Samples: 50

### SAMPLE DISPOSAL

RTRN-PLP Return

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

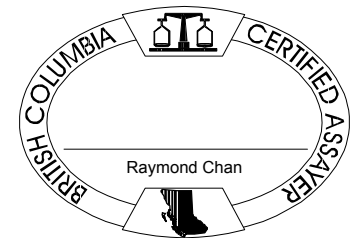
Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	45	Crush split and pulverize drill core to 150mesh		
7AR	50	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed
7AR	1	1:1:1 Aqua Regia digestion ICP-ES analysis	0.1	Completed

### ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: CMC Metals Ltd.  
205 - 369 Terminal Ave  
Vancouver BC V6A 4C4  
Canada

CC: Farrell Andersen



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.



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Project: Silverhart  
 Report Date: December 04, 2007

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

VAN07001417.1

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	
Unit	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001	
701101	Drill Core	<0.001	0.002	<0.01	0.03	<2	0.003	0.002	0.09	3.62	<0.01	0.021	<0.001	<0.001	<0.01	3.62	0.029	0.005	0.69	1.86	0.116
701102	Drill Core	<0.001	0.004	<0.01	0.01	<2	0.004	0.002	0.04	4.05	<0.01	0.012	<0.001	<0.001	<0.01	2.09	0.106	0.011	0.94	2.62	0.169
701103	Drill Core	<0.001	0.007	<0.01	0.02	<2	0.005	0.002	0.04	5.40	<0.01	0.007	<0.001	<0.001	<0.01	1.23	0.028	0.008	1.34	2.53	0.136
701104	Drill Core	<0.001	0.011	<0.01	0.12	<2	0.004	0.002	0.10	4.78	<0.01	0.008	<0.001	0.001	<0.01	2.09	0.021	0.010	0.69	2.33	0.111
701105	Rock	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.16	<0.01	0.004	<0.001	<0.001	<0.01	20.19	0.002	<0.001	12.21	0.05	0.005
701106	Drill Core	<0.001	0.006	<0.01	0.01	<2	0.003	0.002	0.08	3.32	<0.01	0.019	<0.001	<0.001	<0.01	2.74	0.025	0.010	0.80	2.49	0.262
701107	Drill Core	<0.001	0.004	<0.01	<0.01	<2	0.002	0.001	0.04	2.41	<0.01	0.014	<0.001	<0.001	<0.01	2.30	0.019	0.005	0.86	1.83	0.308
701108	Drill Core	<0.001	0.012	0.05	0.06	4	0.003	0.002	0.13	3.76	<0.01	0.012	<0.001	0.001	<0.01	2.52	0.034	0.010	0.79	1.94	0.179
701109	Drill Core	<0.001	0.008	0.11	0.24	11	0.003	0.001	0.75	4.70	<0.01	0.008	<0.001	0.003	<0.01	1.97	0.024	0.004	0.72	1.79	0.045
701110	Rock Pulp	<0.001	0.467	1.35	2.78	18	<0.001	<0.001	0.40	2.42	<0.01	0.008	0.017	<0.001	<0.01	3.87	0.015	0.001	0.30	0.76	0.183
701111	Drill Core	0.002	0.012	0.84	2.12	52	0.003	0.001	2.23	7.02	<0.01	0.004	0.007	0.007	<0.01	1.75	0.025	0.006	0.53	2.09	0.014
701112	Drill Core	<0.001	0.006	<0.01	0.02	<2	0.002	<0.001	0.29	2.74	<0.01	0.008	<0.001	<0.001	<0.01	5.78	0.036	0.005	0.63	1.58	0.055
701113	Drill Core	<0.001	0.012	0.18	0.53	22	0.003	0.002	1.22	4.77	<0.01	0.006	0.002	0.006	<0.01	2.31	0.031	0.007	0.53	2.08	0.016
701114	Drill Core	<0.001	0.016	0.04	0.08	12	0.003	0.001	0.42	3.97	<0.01	0.010	<0.001	0.003	<0.01	3.34	0.051	0.005	0.84	1.12	0.031
701115	Rock	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.02	0.16	<0.01	0.004	<0.001	<0.001	<0.01	22.95	0.002	<0.001	12.13	0.04	0.003
701116	Drill Core	<0.001	0.013	0.17	0.25	37	0.003	<0.001	0.56	3.60	<0.01	0.011	<0.001	0.006	<0.01	4.24	0.022	0.004	0.81	0.73	0.005
701117	Drill Core	<0.001	0.017	<0.01	0.07	2	0.003	0.002	0.13	3.28	<0.01	0.014	<0.001	0.001	<0.01	4.39	0.026	0.003	1.11	1.07	0.017
701118	Drill Core	<0.001	0.001	0.19	0.52	11	0.002	<0.001	2.45	6.68	<0.01	0.001	0.001	<0.001	<0.01	0.40	0.026	0.004	0.38	0.49	0.003
701119	Drill Core	<0.001	0.004	0.34	1.80	18	0.001	<0.001	2.94	8.61	0.02	<0.001	0.006	<0.001	<0.01	0.21	0.022	<0.001	0.22	0.38	0.003
701120	Rock Pulp	<0.001	0.475	1.42	2.80	20	<0.001	<0.001	0.41	2.48	<0.01	0.007	0.017	<0.001	<0.01	3.92	0.016	<0.001	0.32	0.51	0.066
701121	Drill Core	<0.001	0.029	1.75	8.67	152	<0.001	<0.001	4.21	10.94	<0.01	<0.001	0.031	0.007	<0.01	0.34	0.090	0.004	0.27	0.54	0.002
701122	Drill Core	<0.001	0.002	3.20	2.06	97	<0.001	<0.001	3.83	15.33	0.03	<0.001	0.007	0.006	<0.01	0.21	0.016	<0.001	0.21	0.42	0.004
701123	Drill Core	<0.001	0.003	0.03	0.10	<2	0.001	<0.001	0.73	7.61	<0.01	0.010	<0.001	<0.001	<0.01	14.00	0.018	0.005	0.46	2.90	0.002
701124	Drill Core	<0.001	0.003	0.06	0.05	2	0.002	<0.001	0.50	4.82	<0.01	0.007	<0.001	<0.001	<0.01	11.20	0.023	0.004	0.45	2.50	0.002
701125	Rock	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.03	0.22	<0.01	0.004	<0.001	<0.001	<0.01	23.66	0.002	<0.001	12.16	0.07	0.003
701126	Drill Core	<0.001	0.047	>4	8.57	>300	<0.001	<0.001	0.60	2.71	<0.01	0.005	0.028	0.195	<0.01	3.53	0.032	0.002	0.22	0.73	0.002
701127	Drill Core	<0.001	<0.001	0.06	0.06	6	0.002	<0.001	0.45	3.17	<0.01	0.012	<0.001	0.001	<0.01	11.45	0.087	0.006	0.93	2.25	0.003
701128	Drill Core	<0.001	0.010	0.60	10.34	225	0.001	0.002	6.34	19.79	0.29	0.004	0.030	0.003	0.05	1.33	0.010	<0.001	0.28	0.18	0.002
701129	Drill Core	<0.001	0.012	0.83	10.49	33	<0.001	0.001	7.10	21.58	0.23	<0.001	0.031	0.002	<0.01	0.32	<0.001	0.003	0.28	0.11	0.002
701130	Rock Pulp	<0.001	0.473	1.38	2.84	22	<0.001	<0.001	0.42	2.49	<0.01	0.007	0.017	0.001	<0.01	3.92	0.016	<0.001	0.32	0.51	0.063

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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**Project:** Silverhart  
**Report Date:** December 04, 2007

**Page:** 2 of 3 **Part** 2

## CERTIFICATE OF ANALYSIS

VAN07001417.1

Method	7AR	7AR	7AR	7AR	7AR
Analyte	K	W	Hg	Pb	Ag
Unit	%	%	%	%	GMT
MDL	0.001	0.001	0.001	0.01	2
701101	Drill Core	0.878	<0.001	<0.001	
701102	Drill Core	0.740	<0.001	<0.001	
701103	Drill Core	0.976	<0.001	<0.001	
701104	Drill Core	0.736	<0.001	<0.001	
701105	Rock	0.018	<0.001	<0.001	
701106	Drill Core	0.567	0.003	<0.001	
701107	Drill Core	0.380	0.003	<0.001	
701108	Drill Core	0.652	<0.001	<0.001	
701109	Drill Core	0.969	<0.001	<0.001	
701110	Rock Pulp	0.511	<0.001	<0.001	
701111	Drill Core	1.177	<0.001	<0.001	
701112	Drill Core	0.165	0.001	<0.001	
701113	Drill Core	1.216	<0.001	<0.001	
701114	Drill Core	0.552	<0.001	<0.001	
701115	Rock	0.034	<0.001	<0.001	
701116	Drill Core	0.480	<0.001	<0.001	
701117	Drill Core	0.438	<0.001	<0.001	
701118	Drill Core	0.400	0.002	<0.001	
701119	Drill Core	0.322	0.002	<0.001	
701120	Rock Pulp	0.339	0.006	<0.001	
701121	Drill Core	0.350	0.023	<0.001	
701122	Drill Core	0.306	0.008	<0.001	
701123	Drill Core	0.074	0.003	<0.001	
701124	Drill Core	0.020	0.003	<0.001	
701125	Rock	0.011	<0.001	<0.001	
701126	Drill Core	0.061	0.015	<0.001	40.98 2055
701127	Drill Core	0.120	<0.001	<0.001	
701128	Drill Core	0.059	0.017	<0.001	
701129	Drill Core	0.050	0.013	<0.001	
701130	Rock Pulp	0.341	0.007	<0.001	



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Project: Silverhart  
 Report Date: December 04, 2007

Page: 3 of 3 Part 1

CERTIFICATE OF ANALYSIS

VAN07001417.1

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	
Unit	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001	
701131	Drill Core	<0.001	0.004	0.52	4.79	21	<0.001	<0.001	8.46	26.02	0.02	<0.001	0.014	<0.001	<0.01	0.24	0.010	<0.001	0.32	0.17	0.003
701132	Drill Core	<0.001	0.001	0.06	3.21	10	<0.001	<0.001	9.34	29.76	<0.01	<0.001	0.009	<0.001	<0.01	0.18	<0.001	<0.001	0.33	0.09	0.001
701133	Drill Core	<0.001	0.001	0.19	2.45	7	<0.001	<0.001	8.82	29.83	<0.01	<0.001	0.008	<0.001	<0.01	0.14	<0.001	<0.001	0.31	0.09	0.001
701134	Drill Core	<0.001	0.009	1.07	3.26	19	<0.001	<0.001	8.99	27.68	<0.01	<0.001	0.010	0.002	<0.01	0.16	0.009	<0.001	0.29	0.12	0.006
701135	Rock	<0.001	0.001	<0.01	0.01	<2	<0.001	<0.001	0.05	0.21	<0.01	0.004	<0.001	<0.001	<0.01	20.56	0.002	<0.001	12.86	0.03	0.003
701136	Drill Core	<0.001	0.005	1.21	3.25	23	<0.001	<0.001	10.61	29.79	<0.01	<0.001	0.011	<0.001	<0.01	0.27	0.042	<0.001	0.30	0.14	0.006
701137	Drill Core	<0.001	0.008	2.81	4.54	57	<0.001	<0.001	9.37	27.44	<0.01	<0.001	0.014	0.003	<0.01	0.34	0.052	<0.001	0.33	0.12	0.005
701138	Drill Core	<0.001	0.005	0.58	2.56	14	<0.001	<0.001	12.17	31.41	<0.01	<0.001	0.009	<0.001	<0.01	0.19	0.016	<0.001	0.29	0.13	0.006
701139	Drill Core	<0.001	0.020	2.60	14.94	61	<0.001	<0.001	8.43	24.22	<0.01	<0.001	0.048	0.006	<0.01	0.18	0.026	<0.001	0.23	0.15	0.005
701140	Rock Pulp	<0.001	0.465	1.40	2.89	20	<0.001	<0.001	0.41	2.44	<0.01	0.007	0.017	<0.001	<0.01	3.94	0.016	<0.001	0.31	0.52	0.070
701141	Drill Core	<0.001	0.003	1.34	2.40	19	<0.001	<0.001	9.18	30.89	<0.01	<0.001	0.008	<0.001	<0.01	0.22	0.026	<0.001	0.27	0.14	0.002
701142	Drill Core	<0.001	0.004	1.18	2.79	18	<0.001	<0.001	9.65	30.00	<0.01	<0.001	0.008	<0.001	<0.01	0.21	0.023	<0.001	0.28	0.11	0.003
701143	Drill Core	<0.001	0.002	0.77	2.42	17	<0.001	<0.001	10.69	31.96	<0.01	<0.001	0.006	<0.001	<0.01	0.19	0.014	<0.001	0.30	0.06	0.004
701144	Drill Core	<0.001	0.002	0.42	1.18	6	<0.001	<0.001	6.94	22.04	<0.01	0.076	0.003	<0.001	<0.01	13.75	0.011	<0.001	0.20	0.14	0.002
701145	Rock	<0.001	<0.001	<0.01	0.02	<2	<0.001	<0.001	0.12	0.44	<0.01	0.004	<0.001	<0.001	<0.01	23.76	0.001	<0.001	12.83	<0.01	0.002
701146	Drill Core	0.001	<0.001	0.23	0.73	3	<0.001	<0.001	11.28	34.99	<0.01	0.007	0.002	<0.001	<0.01	0.36	0.012	<0.001	0.37	0.07	0.006
701147	Drill Core	<0.001	0.002	0.32	2.54	7	<0.001	<0.001	10.11	31.71	<0.01	<0.001	0.008	<0.001	<0.01	0.46	0.022	<0.001	0.36	0.11	0.005
701148	Drill Core	<0.001	0.003	0.76	2.52	12	<0.001	<0.001	9.73	30.88	<0.01	<0.001	0.008	<0.001	<0.01	0.18	0.011	<0.001	0.31	0.15	0.004
701149	Drill Core	<0.001	0.002	0.38	3.86	10	<0.001	<0.001	10.07	27.05	<0.01	0.002	0.010	<0.001	<0.01	0.70	0.053	<0.001	0.37	0.31	0.006
701150	Rock Pulp	<0.001	0.477	1.40	2.69	19	<0.001	<0.001	0.44	2.60	<0.01	0.007	0.018	<0.001	<0.01	4.07	0.016	0.001	0.32	0.59	0.095





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**Project:** Silverhart  
**Report Date:** December 04, 2007

**Page:** 3 of 3 **Part** 2

CERTIFICATE OF ANALYSIS

VAN07001417.1

Method	7AR	7AR	7AR	7AR	7AR
Analyte	K	W	Hg	Pb	Ag
Unit	%	%	%	%	GMT
MDL	0.001	0.001	0.001	0.01	2
701131	Drill Core	0.098	0.008	<0.001	
701132	Drill Core	0.042	0.007	<0.001	
701133	Drill Core	0.046	0.006	<0.001	
701134	Drill Core	0.064	<0.001	<0.001	
701135	Rock	0.008	<0.001	<0.001	
701136	Drill Core	0.055	<0.001	<0.001	
701137	Drill Core	0.059	<0.001	<0.001	
701138	Drill Core	0.056	<0.001	<0.001	
701139	Drill Core	0.027	<0.001	<0.001	
701140	Rock Pulp	0.345	<0.001	<0.001	
701141	Drill Core	0.020	0.004	<0.001	
701142	Drill Core	0.034	0.006	<0.001	
701143	Drill Core	0.021	0.001	<0.001	
701144	Drill Core	0.017	0.001	<0.001	
701145	Rock	0.006	<0.001	<0.001	
701146	Drill Core	0.042	0.002	<0.001	
701147	Drill Core	0.052	0.004	<0.001	
701148	Drill Core	0.072	0.004	<0.001	
701149	Drill Core	0.176	<0.001	<0.001	
701150	Rock Pulp	0.366	0.008	<0.001	

## QUALITY CONTROL REPORT

VAN07001417.1

Method		7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na
Unit		%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL		0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001
Pulp Duplicates																					
701123	Drill Core	<0.001	0.003	0.03	0.10	<2	0.001	<0.001	0.73	7.61	<0.01	0.010	<0.001	<0.001	<0.01	14.00	0.018	0.005	0.46	2.90	0.002
REP 701123	QC	<0.001	0.003	0.02	0.10	<2	0.002	<0.001	0.74	7.57	<0.01	0.010	<0.001	<0.001	<0.01	13.90	0.017	0.005	0.46	2.76	0.002
701140	Rock Pulp	<0.001	0.465	1.40	2.89	20	<0.001	<0.001	0.41	2.44	<0.01	0.007	0.017	<0.001	<0.01	3.94	0.016	<0.001	0.31	0.52	0.070
REP 701140	QC	<0.001	0.471	1.37	2.84	18	<0.001	<0.001	0.41	2.43	<0.01	0.007	0.017	0.001	<0.01	3.94	0.015	0.001	0.31	0.52	0.069
701143	Drill Core	<0.001	0.002	0.77	2.42	17	<0.001	<0.001	10.69	31.96	<0.01	<0.001	0.006	<0.001	<0.01	0.19	0.014	<0.001	0.30	0.06	0.004
REP 701143	QC			0.79		18															
Core Reject Duplicates																					
701113	Drill Core	<0.001	0.012	0.18	0.53	22	0.003	0.002	1.22	4.77	<0.01	0.006	0.002	0.006	<0.01	2.31	0.031	0.007	0.53	2.08	0.016
DUP 701113	QC	<0.001	0.012	0.19	0.59	22	0.002	0.001	1.30	4.85	<0.01	0.006	0.002	0.005	<0.01	2.48	0.032	0.002	0.51	0.53	0.007
701148	Drill Core	<0.001	0.003	0.76	2.52	12	<0.001	<0.001	9.73	30.88	<0.01	<0.001	0.008	<0.001	<0.01	0.18	0.011	<0.001	0.31	0.15	0.004
DUP 701148	QC	<0.001	0.003	0.75	2.48	12	<0.001	<0.001	9.83	31.36	<0.01	<0.001	0.008	<0.001	<0.01	0.19	0.011	<0.001	0.30	0.16	0.004
Reference Materials																					
STD CCU-1C	Standard																				
STD CZN-3	Standard																				
STD MP-2	Standard																				
STD PBC-1	Standard																				
STD PTC-1A	Standard																				
STD R3A	Standard	0.076	0.809	1.96	4.01	199	0.533	0.063	0.07	31.60	0.04	0.003	0.024	0.033	<0.01	1.30	0.049	0.011	1.04	1.10	0.041
STD R3A	Standard	0.076	0.801	1.96	4.00	200	0.531	0.062	0.07	31.46	0.04	0.003	0.024	0.033	<0.01	1.29	0.049	0.011	1.04	1.09	0.040
STD R3A	Standard	0.076	0.832	2.00	3.95	197	0.534	0.061	0.07	31.73	0.04	0.003	0.023	0.032	<0.01	1.31	0.049	0.012	1.06	1.11	0.041
STD R3A	Standard	0.076	0.844	1.97	4.12	203	0.531	0.062	0.07	31.61	0.04	0.003	0.023	0.032	<0.01	1.34	0.049	0.012	1.05	1.10	0.039
STD R3A	Standard	0.075	0.803	1.94	3.94	198	0.524	0.062	0.07	30.99	0.04	0.003	0.023	0.034	<0.01	1.31	0.048	0.014	1.05	1.14	0.053
STD R3A	Standard	0.077	0.812	1.98	4.01	200	0.534	0.063	0.07	31.57	0.04	0.003	0.024	0.037	<0.01	1.32	0.049	0.014	1.07	1.19	0.059
STD R3A	Standard			1.96		202															
STD R3A	Standard			1.98		200															
STD CZN-3 Expected																					
STD MP-2 Expected																					
STD PTC-1A Expected																					

QUALITY CONTROL REPORT

VAN07001417.1

Method		7AR	7AR	7AR	7AR	7AR
Analyte		K	W	Hg	Pb	Ag
Unit		%	%	%	%	GM/T
MDL		0.001	0.001	0.001	0.01	2
Pulp Duplicates						
701123	Drill Core	0.074	0.003	<0.001		
REP 701123	QC	0.076	0.002	<0.001		
701140	Rock Pulp	0.345	<0.001	<0.001		
REP 701140	QC	0.341	<0.001	<0.001		
701143	Drill Core	0.021	0.001	<0.001		
REP 701143	QC					
Core Reject Duplicates						
701113	Drill Core	1.216	<0.001	<0.001		
DUP 701113	QC	0.388	0.002	<0.001		
701148	Drill Core	0.072	0.004	<0.001		
DUP 701148	QC	0.077	0.003	<0.001		
Reference Materials						
STD CCU-1C	Standard				0.42	108
STD CZN-3	Standard				0.14	45
STD MP-2	Standard				0.05	3
STD PBC-1	Standard				28.41	1823
STD PTC-1A	Standard				0.05	37
STD R3A	Standard	0.439	<0.001	0.002		
STD R3A	Standard	0.436	<0.001	0.002		
STD R3A	Standard	0.432	0.011	0.002		
STD R3A	Standard	0.432	0.005	0.002		
STD R3A	Standard	0.535	<0.001	0.002		
STD R3A	Standard	0.556	<0.001	0.002		
STD R3A	Standard					
STD R3A	Standard					
STD CZN-3 Expected					0.113	45
STD MP-2 Expected						4.9
STD PTC-1A Expected					0.05	56

QUALITY CONTROL REPORT

VAN07001417.1

		7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na
		%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001
STD CCU-1C Expected																					
STD PBC-1 Expected																					
STD R3A Expected		0.077	0.811	1.92	4.03	197	0.524	0.062	0.07	32.47	0.04	0.003	0.023	0.031		1.29	0.05	0.011	1.04	1.08	0.04
BLK	Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001
BLK	Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001
BLK	Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001
BLK	Blank																				
BLK	Blank			<0.01		<2															
Prep Wash																					
G1	Prep Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.06	2.00	<0.01	0.011	<0.001	<0.001	<0.01	0.62	0.076	0.003	0.61	1.61	0.367
G1	Prep Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.06	1.93	<0.01	0.013	<0.001	<0.001	<0.01	0.66	0.072	0.012	0.59	1.73	0.384

QUALITY CONTROL REPORT

VAN07001417.1

		7AR K %	7AR W %	7AR Hg %	7AR Pb %	7AR Ag GM/T
		0.001	0.001	0.001	0.01	2
STD CCU-1C Expected						129
STD PBC-1 Expected					26.7	1800
STD R3A Expected		0.41		0.002		
BLK	Blank	<0.001	<0.001	<0.001		
BLK	Blank	<0.001	<0.001	<0.001		
BLK	Blank	<0.001	<0.001	<0.001		
BLK	Blank				<0.01	<2
BLK	Blank					
Prep Wash						
G1	Prep Blank	0.914	<0.001	<0.001		
G1	Prep Blank	0.915	<0.001	<0.001		



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**Client:**

**CMC Metals Ltd.**

205 - 369 Terminal Ave  
Vancouver BC V6A 4C4 Canada

Submitted By:

Don Wedman

Receiving Lab:

Acme Analytical Laboratories (Vancouver) Ltd.

Received:

September 12, 2007

Report Date:

December 06, 2007

Page:

1 of 3

## CERTIFICATE OF ANALYSIS

VAN07001418.1

### CLIENT JOB INFORMATION

Project: Silverhart  
Shipment ID:  
P.O. Number  
Number of Samples: 60

### SAMPLE DISPOSAL

RTRN-PLP Return

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

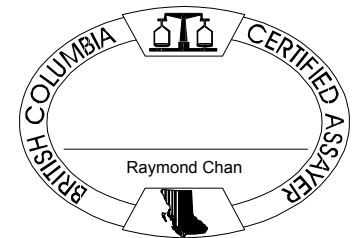
Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	54	Crush split and pulverize drill core to 150mesh		
7AR	60	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed

### ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: CMC Metals Ltd.  
205 - 369 Terminal Ave  
Vancouver BC V6A 4C4  
Canada

CC: Farrell Andersen



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.



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Project: Silverhart  
 Report Date: December 06, 2007

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

VAN07001418.1

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	
Unit	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001	
701151	Drill Core	0.004	<0.001	0.02	0.05	<2	0.002	<0.001	0.64	4.54	<0.01	0.008	<0.001	<0.001	<0.01	9.39	0.021	0.009	0.30	1.99	0.004
701152	Drill Core	0.001	0.002	<0.01	0.17	10	0.001	<0.001	0.39	3.24	<0.01	0.024	<0.001	<0.001	<0.01	10.63	0.054	0.005	0.35	1.63	0.006
701153	Drill Core	<0.001	<0.001	<0.01	0.24	6	0.002	<0.001	0.58	3.26	<0.01	0.006	0.001	<0.001	<0.01	8.78	0.140	0.009	0.26	2.24	0.001
701154	Drill Core	<0.001	<0.001	<0.01	0.40	5	0.002	<0.001	0.86	3.67	<0.01	0.004	0.002	<0.001	<0.01	6.85	0.108	0.009	0.27	2.40	0.001
701155	Rock	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.03	0.14	<0.01	0.004	<0.001	<0.001	<0.01	20.56	0.004	<0.001	12.47	0.03	0.003
701156	Drill Core	<0.001	<0.001	<0.01	0.25	<2	0.002	<0.001	0.62	3.35	<0.01	0.005	0.001	<0.001	<0.01	8.70	0.069	0.008	0.36	2.52	0.001
701157	Drill Core	<0.001	<0.001	<0.01	0.10	<2	0.001	<0.001	0.45	2.05	<0.01	0.008	<0.001	<0.001	<0.01	7.23	0.100	0.005	0.33	1.84	0.004
701158	Drill Core	<0.001	<0.001	<0.01	0.13	<2	<0.001	<0.001	0.30	1.29	<0.01	0.055	<0.001	<0.001	<0.01	16.12	0.061	0.005	0.25	1.15	<0.001
701159	Drill Core	<0.001	<0.001	<0.01	0.10	3	<0.001	<0.001	0.26	0.62	<0.01	0.135	<0.001	<0.001	<0.01	31.97	0.035	<0.001	0.12	0.31	<0.001
701160	Rock Pulp	<0.001	0.466	1.33	2.88	19	<0.001	<0.001	0.43	2.46	<0.01	0.008	0.017	<0.001	<0.01	4.17	0.016	0.001	0.29	0.50	0.059
701161	Drill Core	<0.001	<0.001	<0.01	0.06	<2	<0.001	<0.001	0.16	0.97	0.01	0.106	<0.001	<0.001	<0.01	28.56	0.045	0.004	0.14	0.24	0.001
701162	Drill Core	0.005	0.003	0.41	2.65	15	<0.001	<0.001	4.76	32.93	0.02	0.032	0.012	0.001	<0.01	3.69	0.029	0.002	0.03	0.52	0.004
701163	Drill Core	0.006	0.012	0.86	3.56	65	<0.001	<0.001	6.17	36.82	0.11	0.016	0.019	0.004	<0.01	0.51	0.044	0.002	0.02	0.55	0.004
701164	Rock	0.003	0.041	0.83	2.86	72	<0.001	<0.001	1.34	20.17	0.09	0.003	0.005	0.010	<0.01	0.28	0.077	0.006	0.05	1.13	0.003
701165	Rock	<0.001	<0.001	<0.01	0.02	<2	<0.001	<0.001	0.03	0.27	<0.01	0.004	<0.001	<0.001	<0.01	21.35	0.003	<0.001	12.40	0.02	0.003
701166	Drill Core	0.004	0.008	0.67	2.34	43	0.005	0.002	7.47	21.33	0.08	0.022	0.016	0.001	<0.01	0.20	0.083	0.009	0.06	0.91	0.008
701167	Drill Core	0.006	0.004	0.27	3.47	50	0.003	0.002	7.80	11.67	0.03	0.027	0.018	<0.001	<0.01	1.19	0.119	0.008	0.78	0.86	0.006
701168	Drill Core	0.004	0.006	0.52	18.00	13	0.004	0.001	3.14	2.29	<0.01	0.031	0.008	0.002	<0.01	2.33	0.225	0.003	0.82	2.15	0.071
701169	Drill Core	<0.001	0.008	0.01	1.85	3	0.002	<0.001	0.35	2.12	<0.01	0.027	0.002	<0.001	<0.01	4.58	0.149	0.009	0.41	2.23	0.107
701170	Rock Pulp	<0.001	0.478	1.33	2.91	19	<0.001	<0.001	0.43	2.49	<0.01	0.007	0.017	<0.001	<0.01	3.99	0.017	0.001	0.30	0.51	0.059
701171	Drill Core	<0.001	0.010	0.02	0.70	3	0.003	0.001	0.33	2.72	<0.01	0.031	0.002	<0.001	<0.01	2.76	0.091	0.005	0.39	1.98	0.078
701172	Drill Core	<0.001	0.004	<0.01	0.44	3	0.003	0.001	0.03	3.29	<0.01	0.014	<0.001	<0.001	<0.01	3.80	0.123	0.014	0.63	3.27	0.042
701173	Drill Core	<0.001	0.006	<0.01	0.35	3	0.008	0.002	0.08	3.39	<0.01	0.029	0.002	<0.001	<0.01	2.54	0.148	0.017	1.42	2.49	0.128
701174	Drill Core	0.028	<0.001	<0.01	0.12	<2	0.001	<0.001	0.29	1.95	<0.01	0.009	<0.001	<0.001	<0.01	7.27	0.129	0.007	0.26	1.80	0.014
701175	Rock	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.02	0.12	<0.01	0.004	<0.001	<0.001	<0.01	20.85	0.003	<0.001	12.59	0.03	0.003
701176	Drill Core	0.002	0.003	<0.01	0.06	<2	<0.001	<0.001	0.27	2.85	<0.01	0.007	<0.001	<0.001	<0.01	8.47	0.094	0.006	0.20	1.69	0.006
701177	Drill Core	<0.001	<0.001	<0.01	0.19	<2	<0.001	<0.001	0.30	2.05	<0.01	0.031	<0.001	<0.001	<0.01	16.16	0.042	0.008	0.36	1.29	0.006
701178	Drill Core	0.004	0.005	<0.01	4.07	9	0.004	0.001	4.38	3.62	0.02	0.044	0.004	0.001	<0.01	13.30	0.068	0.007	0.35	1.40	0.008
701179	Drill Core	0.038	<0.001	<0.01	0.06	<2	<0.001	<0.001	0.39	2.16	<0.01	0.004	<0.001	<0.001	<0.01	7.94	0.027	0.013	0.14	2.14	0.005
701180	Rock Pulp	<0.001	0.476	1.34	2.94	20	<0.001	<0.001	0.43	2.42	<0.01	0.007	0.017	<0.001	<0.01	3.97	0.017	<0.001	0.29	0.51	0.061

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project:

Silverhart

Report Date:

December 06, 2007

Page:

2 of 3

Part 2

## CERTIFICATE OF ANALYSIS

VAN07001418.1

Method	7AR	7AR	7AR	
Analyte	K	W	Hg	
Unit	%	%	%	
MDL	0.001	0.001	0.001	
701151	Drill Core	0.054	0.182	<0.001
701152	Drill Core	0.045	0.005	<0.001
701153	Drill Core	0.036	0.003	<0.001
701154	Drill Core	0.085	<0.001	<0.001
701155	Rock	0.007	<0.001	<0.001
701156	Drill Core	0.061	<0.001	<0.001
701157	Drill Core	0.062	<0.001	<0.001
701158	Drill Core	0.014	0.001	<0.001
701159	Drill Core	0.015	<0.001	<0.001
701160	Rock Pulp	0.323	0.002	<0.001
701161	Drill Core	0.046	<0.001	<0.001
701162	Drill Core	0.112	<0.001	<0.001
701163	Drill Core	0.104	0.002	<0.001
701164	Rock	0.143	0.005	<0.001
701165	Rock	0.007	<0.001	<0.001
701166	Drill Core	0.485	<0.001	<0.001
701167	Drill Core	0.254	0.006	<0.001
701168	Drill Core	0.077	0.015	<0.001
701169	Drill Core	0.065	0.003	<0.001
701170	Rock Pulp	0.338	0.002	<0.001
701171	Drill Core	0.126	0.001	<0.001
701172	Drill Core	0.121	<0.001	<0.001
701173	Drill Core	0.181	<0.001	<0.001
701174	Drill Core	0.013	<0.001	<0.001
701175	Rock	0.007	<0.001	<0.001
701176	Drill Core	0.003	0.010	<0.001
701177	Drill Core	0.010	0.005	<0.001
701178	Drill Core	0.044	0.001	<0.001
701179	Drill Core	0.003	<0.001	<0.001
701180	Rock Pulp	0.328	<0.001	<0.001





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Project: Silverhart  
 Report Date: December 06, 2007

Page: 3 of 3 Part 1

CERTIFICATE OF ANALYSIS

VAN07001418.1

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	
Unit	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001	
701181	Drill Core	<0.001	0.001	<0.01	0.15	<2	<0.001	<0.001	0.23	1.31	<0.01	0.105	<0.001	<0.001	<0.01	16.46	0.031	0.008	0.14	1.22	0.004
701182	Drill Core	<0.001	<0.001	<0.01	0.28	<2	<0.001	<0.001	0.24	1.69	<0.01	0.141	0.002	<0.001	<0.01	27.91	0.071	<0.001	0.08	0.43	0.032
701183	Drill Core	0.003	0.004	<0.01	1.63	<2	<0.001	0.002	0.66	4.05	<0.01	0.009	0.015	<0.001	<0.01	8.92	0.040	0.011	0.15	1.86	0.003
701184	Drill Core	0.032	<0.001	<0.01	0.04	<2	0.001	<0.001	0.40	2.92	<0.01	0.004	<0.001	<0.001	<0.01	8.48	0.057	0.006	0.18	1.84	0.007
701185	Rock	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.11	<0.01	0.004	<0.001	<0.001	<0.01	20.52	0.002	<0.001	12.16	0.03	0.003
701186	Drill Core	0.042	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.39	2.96	<0.01	0.003	<0.001	<0.001	<0.01	8.49	0.044	0.006	0.18	2.01	0.004
701187	Drill Core	0.008	0.002	<0.01	0.03	<2	<0.001	<0.001	0.41	3.52	<0.01	0.004	<0.001	<0.001	<0.01	9.58	0.037	0.008	0.23	1.96	0.004
701188	Drill Core	0.002	<0.001	<0.01	0.08	<2	0.001	<0.001	0.39	2.94	<0.01	0.004	<0.001	<0.001	<0.01	8.29	0.048	0.005	0.22	2.16	0.004
701189	Drill Core	0.002	<0.001	<0.01	0.11	<2	0.001	<0.001	0.45	2.48	<0.01	0.004	<0.001	<0.001	<0.01	8.05	0.028	0.008	0.22	2.15	0.004
701190	Rock Pulp	<0.001	0.482	1.36	2.90	20	<0.001	<0.001	0.42	2.45	<0.01	0.007	0.017	<0.001	<0.01	3.99	0.016	0.001	0.29	0.51	0.061
701191	Drill Core	0.006	<0.001	<0.01	0.02	<2	0.001	<0.001	0.32	2.29	<0.01	0.005	<0.001	<0.001	<0.01	8.33	0.051	0.006	0.28	2.09	0.007
701192	Drill Core	0.006	<0.001	<0.01	0.01	<2	<0.001	<0.001	0.40	2.17	<0.01	0.009	<0.001	<0.001	<0.01	7.15	0.051	0.010	0.26	2.35	0.036
701193	Drill Core	0.001	0.007	<0.01	0.02	<2	0.002	0.001	0.28	2.76	<0.01	0.016	<0.001	<0.001	<0.01	5.40	0.044	0.008	0.58	2.29	0.037
701194	Drill Core	<0.001	0.006	<0.01	0.02	<2	0.003	0.001	0.07	3.22	<0.01	0.047	<0.001	<0.001	<0.01	1.73	0.035	0.009	1.10	2.70	0.104
701195	Rock	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.12	<0.01	0.004	<0.001	<0.001	<0.01	20.72	0.002	<0.001	12.32	0.04	0.005
701196	Drill Core	<0.001	0.003	<0.01	<0.01	<2	0.004	0.001	0.03	3.45	<0.01	0.026	<0.001	<0.001	<0.01	1.27	0.036	0.009	1.03	2.62	0.140
701197	Drill Core	<0.001	0.002	<0.01	0.02	<2	0.002	<0.001	0.07	2.22	<0.01	0.026	<0.001	<0.001	<0.01	3.40	0.019	0.005	0.68	1.93	0.062
701198	Drill Core	0.002	0.003	<0.01	<0.01	<2	0.003	0.001	0.03	2.78	<0.01	0.026	<0.001	<0.001	<0.01	1.65	0.033	0.008	0.71	2.31	0.100
701199	Drill Core	0.002	0.005	<0.01	0.01	<2	0.004	0.002	0.04	4.09	<0.01	0.020	<0.001	<0.001	<0.01	0.86	0.051	0.005	1.14	2.99	0.052
701200	Rock Pulp	<0.001	0.478	1.37	2.92	19	<0.001	<0.001	0.42	2.45	<0.01	0.007	0.018	<0.001	<0.01	4.03	0.016	0.001	0.29	0.51	0.061
701201	Drill Core	<0.001	0.006	<0.01	0.01	<2	0.002	<0.001	0.03	0.93	<0.01	0.050	<0.001	<0.001	<0.01	6.78	0.047	0.006	0.20	1.86	0.031
701202	Drill Core	<0.001	0.006	<0.01	<0.01	<2	0.001	<0.001	0.06	1.02	<0.01	0.041	<0.001	<0.001	<0.01	6.39	0.047	0.004	0.85	2.17	0.052
701203	Drill Core	<0.001	<0.001	<0.01	0.04	<2	0.001	<0.001	0.51	1.41	<0.01	0.029	<0.001	<0.001	<0.01	18.68	0.027	0.006	0.29	1.13	0.002
701204	Drill Core	<0.001	0.006	<0.01	0.03	<2	0.003	0.001	0.05	3.07	<0.01	0.031	<0.001	<0.001	<0.01	3.84	0.111	0.005	0.31	2.56	0.121
701205	Rock	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.10	<0.01	0.004	<0.001	<0.001	<0.01	21.56	0.003	<0.001	12.34	0.03	0.003
701206	Drill Core	<0.001	0.013	<0.01	0.16	<2	0.003	<0.001	0.34	1.51	<0.01	0.041	<0.001	<0.001	<0.01	10.77	0.132	0.006	0.52	2.64	0.021
701207	Drill Core	<0.001	<0.001	<0.01	0.05	<2	<0.001	<0.001	0.13	0.94	<0.01	0.074	<0.001	<0.001	<0.01	21.93	0.057	0.002	0.21	0.70	0.012
701208	Drill Core	0.012	0.003	<0.01	0.13	<2	0.001	<0.001	0.24	1.51	<0.01	0.060	0.001	<0.001	<0.01	21.68	0.059	0.004	0.24	0.93	0.004
701209	Drill Core	0.002	0.066	<0.01	1.94	12	0.002	0.002	0.48	12.54	0.02	0.007	0.016	0.001	0.03	6.40	0.055	0.003	0.21	1.10	0.006
701210	Rock Pulp	<0.001	0.501	2.17	4.56	158	<0.001	<0.001	0.34	3.72	<0.01	0.005	0.026	0.005	<0.01	3.00	0.015	<0.001	0.35	0.67	0.104

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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**Client:** CMC Metals Ltd.  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

**Project:** Silverhart  
**Report Date:** December 06, 2007

**Page:** 3 of 3 **Part** 2

CERTIFICATE OF ANALYSIS

VAN07001418.1

Method	7AR	7AR	7AR	
Analyte	K	W	Hg	
Unit	%	%	%	
MDL	0.001	0.001	0.001	
701181	Drill Core	0.007	<0.001	<0.001
701182	Drill Core	0.019	<0.001	<0.001
701183	Drill Core	0.008	0.007	<0.001
701184	Drill Core	0.003	0.001	<0.001
701185	Rock	0.006	<0.001	<0.001
701186	Drill Core	0.002	<0.001	<0.001
701187	Drill Core	0.002	0.007	<0.001
701188	Drill Core	0.033	0.002	<0.001
701189	Drill Core	0.004	0.015	<0.001
701190	Rock Pulp	0.328	<0.001	<0.001
701191	Drill Core	0.005	<0.001	<0.001
701192	Drill Core	0.041	<0.001	<0.001
701193	Drill Core	0.164	<0.001	<0.001
701194	Drill Core	0.703	0.048	<0.001
701195	Rock	0.009	<0.001	<0.001
701196	Drill Core	0.777	<0.001	<0.001
701197	Drill Core	0.303	<0.001	<0.001
701198	Drill Core	0.687	<0.001	<0.001
701199	Drill Core	1.009	<0.001	<0.001
701200	Rock Pulp	0.330	<0.001	<0.001
701201	Drill Core	0.139	0.002	<0.001
701202	Drill Core	0.112	<0.001	<0.001
701203	Drill Core	0.008	0.001	<0.001
701204	Drill Core	0.094	<0.001	<0.001
701205	Rock	0.005	0.001	<0.001
701206	Drill Core	0.040	<0.001	<0.001
701207	Drill Core	0.053	0.002	<0.001
701208	Drill Core	0.046	0.032	<0.001
701209	Drill Core	0.009	0.051	<0.001
701210	Rock Pulp	0.508	<0.001	<0.001

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

**QUALITY CONTROL REPORT**

**VAN07001418.1**

Method		7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na
Unit		%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL		0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001
Pulp Duplicates																					
701167	Drill Core	0.006	0.004	0.27	3.47	50	0.003	0.002	7.80	11.67	0.03	0.027	0.018	<0.001	<0.01	1.19	0.119	0.008	0.78	0.86	0.006
REP 701167	QC	0.006	0.004	0.26	3.47	50	0.003	0.002	7.82	11.73	0.03	0.027	0.018	0.001	<0.01	1.23	0.121	0.008	0.79	0.88	0.006
701198	Drill Core	0.002	0.003	<0.01	<0.01	<2	0.003	0.001	0.03	2.78	<0.01	0.026	<0.001	<0.001	<0.01	1.65	0.033	0.008	0.71	2.31	0.100
REP 701198	QC	0.002	0.003	<0.01	<0.01	<2	0.003	0.001	0.03	2.84	<0.01	0.026	<0.001	<0.001	<0.01	1.67	0.034	0.008	0.72	2.33	0.098
Core Reject Duplicates																					
701161	Drill Core	<0.001	<0.001	<0.01	0.06	<2	<0.001	<0.001	0.16	0.97	0.01	0.106	<0.001	<0.001	<0.01	28.56	0.045	0.004	0.14	0.24	0.001
DUP 701161	QC	<0.001	<0.001	<0.01	0.05	<2	<0.001	<0.001	0.15	0.90	0.01	0.103	<0.001	<0.001	<0.01	27.57	0.044	0.001	0.14	0.21	0.002
701196	Drill Core	<0.001	0.003	<0.01	<0.01	<2	0.004	0.001	0.03	3.45	<0.01	0.026	<0.001	<0.001	<0.01	1.27	0.036	0.009	1.03	2.62	0.140
DUP 701196	QC	<0.001	0.003	<0.01	<0.01	<2	0.004	0.001	0.03	3.51	<0.01	0.025	<0.001	<0.001	<0.01	1.31	0.034	0.010	1.04	2.65	0.146
Reference Materials																					
STD CCU-1C	Standard																				
STD CZN-3	Standard																				
STD MP-2	Standard																				
STD PBC-1	Standard																				
STD PTC-1A	Standard																				
STD R3A	Standard	0.074	0.807	1.97	3.94	197	0.527	0.062	0.07	30.50	0.04	0.003	0.022	0.033	<0.01	1.30	0.047	0.011	1.03	1.10	0.043
STD R3A	Standard	0.075	0.807	1.99	3.99	197	0.532	0.063	0.07	31.08	0.04	0.003	0.023	0.033	<0.01	1.30	0.048	0.011	1.04	1.11	0.042
STD R3A	Standard	0.076	0.815	2.00	4.06	200	0.541	0.062	0.07	31.84	0.04	0.003	0.023	0.041	<0.01	1.28	0.049	0.011	1.05	1.08	0.033
STD R3A	Standard	0.077	0.827	1.99	4.03	200	0.539	0.062	0.07	31.75	0.04	0.003	0.023	0.041	<0.01	1.31	0.049	0.011	1.05	1.07	0.033
STD R3A	Standard	0.075	0.816	1.97	3.99	199	0.533	0.061	0.07	31.47	0.04	0.003	0.023	0.039	<0.01	1.30	0.049	0.011	1.05	1.10	0.036
STD R3A	Standard	0.076	0.811	1.97	4.01	199	0.534	0.061	0.07	31.75	0.04	0.003	0.023	0.039	<0.01	1.30	0.048	0.011	1.05	1.09	0.035
STD R3A Expected		0.077	0.811	1.92	4.03	197	0.524	0.062	0.07	32.47	0.04	0.003	0.023	0.031		1.29	0.05	0.011	1.04	1.08	0.04
STD CZN-3 Expected																					
STD MP-2 Expected																					
STD PTC-1A Expected																					
STD CCU-1C Expected																					
STD PBC-1 Expected																					
BLK	Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001

## QUALITY CONTROL REPORT

VAN07001418.1

Method		7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte		K	W	Hg	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr
Unit		%	%	%	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%
MDL		0.001	0.001	0.001	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001
Pulp Duplicates																					
701167	Drill Core	0.254	0.006	<0.001																	
REP 701167	QC	0.261	0.005	<0.001																	
701198	Drill Core	0.687	<0.001	<0.001																	
REP 701198	QC	0.690	<0.001	<0.001																	
Core Reject Duplicates																					
701161	Drill Core	0.046	<0.001	<0.001																	
DUP 701161	QC	0.041	<0.001	<0.001	<0.001	<0.001	0.05	0.06	<2	0.002	<0.001	0.16	0.88	0.01	0.111	<0.001	<0.001	<0.01	29.88	0.046	0.001
701196	Drill Core	0.777	<0.001	<0.001																	
DUP 701196	QC	0.792	<0.001	<0.001	<0.001	<0.001	0.04	<0.01	<2	0.005	<0.001	0.02	3.48	<0.01	0.025	<0.001	<0.001	<0.01	1.25	0.036	0.010
Reference Materials																					
STD CCU-1C	Standard				0.001	26.00	0.42	3.99	108	<0.001	0.001	<0.01	29.13	<0.01	<0.001	0.012	<0.001	0.01	0.12	<0.001	<0.001
STD CZN-3	Standard				<0.001	0.677	0.14	49.62	45	0.004	0.007	0.01	9.56	0.03	<0.001	0.235	<0.001	<0.01	0.06	<0.001	<0.001
STD MP-2	Standard				0.287	0.073	0.05	0.35	3	<0.001	<0.001	0.07	3.56	0.18	0.001	0.001	<0.001	0.24	2.64	0.008	0.001
STD PBC-1	Standard				<0.001	1.784	28.41	1.64	1823	<0.001	<0.001	0.10	6.45	2.94	0.012	0.036	0.319	0.03	5.29	0.079	<0.001
STD PTC-1A	Standard				<0.001	13.94	0.05	0.10	37	10.45	0.290	<0.01	33.80	<0.01	<0.001	0.004	0.042	<0.01	0.17	<0.001	<0.001
STD R3A	Standard	0.520	<0.001	0.002																	
STD R3A	Standard	0.527	<0.001	0.002																	
STD R3A	Standard	0.430	<0.001	0.002																	
STD R3A	Standard	0.430	0.002	0.002																	
STD R3A	Standard	0.430	<0.001	0.002																	
STD R3A	Standard	0.428	<0.001	0.002																	
STD R3A Expected		0.41		0.002																	
STD CZN-3 Expected						0.685	0.113	50.92	45		0.009		9.97	0.039		0.248				0.058	
STD MP-2 Expected					0.281				4.9											0.245	
STD PTC-1A Expected						13.51	0.05		56	10.03	0.3		34.6	0.012							
STD CCU-1C Expected					0.002	25.62		3.99	129			0.012	29.34	0.0034		0.0136					
STD PBC-1 Expected							26.7		1800												
BLK	Blank	<0.001	<0.001	<0.001																	

QUALITY CONTROL REPORT

VAN07001418.1

Method		7AR	7AR	7AR	7AR	7AR	7AR
Analyte		Mg	Al	Na	K	W	Hg
Unit		%	%	%	%	%	%
MDL		0.01	0.01	0.001	0.001	0.001	0.001
Pulp Duplicates							
701167	Drill Core						
REP 701167	QC						
701198	Drill Core						
REP 701198	QC						
Core Reject Duplicates							
701161	Drill Core						
DUP 701161	QC	0.17	0.23	0.004	0.079	0.003	<0.001
701196	Drill Core						
DUP 701196	QC	1.04	2.63	0.125	0.803	0.004	<0.001
Reference Materials							
STD CCU-1C	Standard	0.13	0.09	0.018	0.014	0.010	0.002
STD CZN-3	Standard	0.06	0.07	0.009	<0.001	0.104	<0.001
STD MP-2	Standard	0.02	1.25	0.010	0.147	0.552	<0.001
STD PBC-1	Standard	0.71	0.21	0.007	0.025	0.008	<0.001
STD PTC-1A	Standard	0.25	0.33	0.032	0.057	<0.001	<0.001
STD R3A	Standard						
STD R3A	Standard						
STD R3A	Standard						
STD R3A	Standard						
STD R3A	Standard						
STD R3A	Standard						
STD R3A Expected							
STD CZN-3 Expected		0.051					
STD MP-2 Expected						0.65	
STD PTC-1A Expected							
STD CCU-1C Expected							
STD PBC-1 Expected							
BLK	Blank						

QUALITY CONTROL REPORT

VAN07001418.1

		7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na
		%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001
BLK	Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001
BLK	Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001
BLK	Blank																				
	Prep Wash																				
G1	Prep Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.06	1.84	<0.01	0.008	<0.001	<0.001	<0.01	0.54	0.072	0.013	0.58	1.24	0.154
G1	Prep Blank	<0.001	<0.001	0.02	0.08	<2	<0.001	<0.001	0.46	2.96	<0.01	0.007	<0.001	<0.001	<0.01	0.51	0.071	<0.001	0.59	1.16	0.128

QUALITY CONTROL REPORT

VAN07001418.1

		7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
		K	W	Hg	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr
		%	%	%	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%
		0.001	0.001	0.001	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001
BLK	Blank	<0.001	<0.001	<0.001																	
BLK	Blank	<0.001	<0.001	<0.001																	
BLK	Blank				<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001
Prep Wash																					
G1	Prep Blank	0.571	<0.001	<0.001																	
G1	Prep Blank	0.562	<0.001	<0.001																	

**QUALITY CONTROL REPORT**

**VAN07001418.1**

		7AR	7AR	7AR	7AR	7AR	7AR
		Mg	Al	Na	K	W	Hg
		%	%	%	%	%	%
		0.01	0.01	0.001	0.001	0.001	0.001
BLK	Blank						
BLK	Blank						
BLK	Blank	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001
Prep Wash							
G1	Prep Blank						
G1	Prep Blank						





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Submitted By: Don Wedman  
Receiving Lab: Acme Analytical Laboratories (Vancouver) Ltd.  
Received: September 18, 2007  
Report Date: December 03, 2007  
Page: 1 of 3

## CERTIFICATE OF ANALYSIS

VAN07001583.1

### CLIENT JOB INFORMATION

Project: Silverhart  
Shipment ID:  
P.O. Number  
Number of Samples: 36

### SAMPLE DISPOSAL

RTRN-PLP Return

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

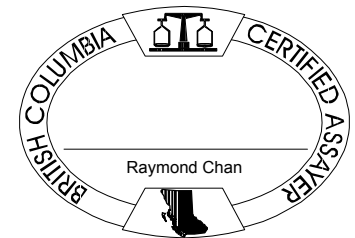
Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	33	Crush split and pulverize drill core to 150mesh		
7AR	36	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed
7AR	0	1:1:1 Aqua Regia digestion ICP-ES analysis	0.1	Completed

### ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: CMC Metals Ltd.  
205 - 369 Terminal Ave  
Vancouver BC V6A 4C4  
Canada

CC:



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.



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Client: **CMC Metals Ltd.**  
 205 - 369 Terminal Ave  
 Vancouver BC V6A 4C4 Canada

Project: Silverhart  
 Report Date: December 03, 2007

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

VAN07001583.1

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	
Unit	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001	
701211	Drill Core	0.003	0.033	0.05	0.99	42	0.003	0.002	0.93	8.73	0.02	0.014	0.006	<0.001	0.02	6.48	0.090	0.004	0.31	1.38	0.004
701212	Drill Core	<0.001	0.006	<0.01	1.20	2	0.003	0.001	0.44	3.30	<0.01	0.010	0.004	<0.001	<0.01	5.36	0.134	0.006	1.27	2.02	0.015
701213	Drill Core	<0.001	0.006	<0.01	0.04	<2	0.002	<0.001	0.09	1.95	<0.01	0.033	<0.001	<0.001	<0.01	3.59	0.051	0.007	0.46	2.62	0.182
701214	Drill Core	<0.001	<0.001	<0.01	0.29	<2	<0.001	<0.001	0.22	2.63	<0.01	0.014	0.001	<0.001	0.01	13.97	0.038	0.004	0.16	1.72	0.006
701215	Drill Core	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.12	<0.01	0.004	<0.001	<0.001	<0.01	23.76	0.002	<0.001	12.66	0.04	0.005
701216	Drill Core	<0.001	<0.001	<0.01	3.81	<2	<0.001	0.011	0.24	1.67	<0.01	0.009	0.017	<0.001	0.06	21.66	0.054	0.002	0.08	0.89	0.002
701217	Drill Core	<0.001	0.002	<0.01	0.18	<2	0.001	<0.001	0.12	0.72	<0.01	0.054	<0.001	<0.001	<0.01	15.83	0.051	0.004	0.40	1.05	0.008
701218	Drill Core	<0.001	0.003	0.12	0.50	3	0.006	0.001	1.58	6.56	<0.01	0.021	0.001	<0.001	<0.01	6.69	0.088	0.011	1.59	1.53	0.010
701219	Drill Core	0.001	0.001	0.02	0.12	<2	<0.001	<0.001	0.12	0.78	<0.01	0.072	<0.001	<0.001	<0.01	13.59	0.047	0.005	0.18	1.02	0.005
701220	Drill Core	<0.001	0.510	2.14	4.53	166	<0.001	<0.001	0.35	4.13	<0.01	0.005	0.027	0.004	<0.01	3.07	0.018	0.001	0.35	0.57	0.065
701221	Drill Core	0.002	0.011	<0.01	1.87	<2	0.001	0.007	0.33	1.30	<0.01	0.029	0.012	<0.001	0.01	20.74	0.066	0.002	0.51	1.54	0.011
701222	Drill Core	0.009	<0.001	<0.01	0.02	<2	<0.001	<0.001	0.32	1.21	<0.01	0.033	<0.001	<0.001	<0.01	26.49	0.028	0.003	0.28	2.34	0.017
701223	Drill Core	0.005	<0.001	<0.01	0.04	<2	<0.001	<0.001	0.33	1.37	<0.01	0.032	<0.001	0.001	<0.01	26.57	0.025	0.002	0.38	3.01	0.011
701224	Drill Core	0.005	<0.001	<0.01	0.02	<2	0.001	<0.001	0.27	1.43	<0.01	0.032	<0.001	<0.001	<0.01	23.32	0.036	0.004	0.40	2.89	0.011
701225	Drill Core	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.02	0.11	<0.01	0.005	<0.001	<0.001	<0.01	23.72	0.002	<0.001	12.48	0.05	0.003
701226	Drill Core	<0.001	0.001	<0.01	0.41	<2	<0.001	<0.001	0.25	1.11	<0.01	0.029	0.002	<0.001	<0.01	21.55	0.057	0.002	0.38	1.36	0.013
701227	Drill Core	<0.001	0.006	<0.01	0.48	<2	<0.001	<0.001	0.11	1.38	<0.01	0.102	0.003	<0.001	<0.01	25.75	0.063	0.001	0.91	0.79	0.016
701228	Drill Core	0.016	0.006	<0.01	0.02	<2	0.002	<0.001	0.12	1.48	<0.01	0.078	<0.001	0.001	<0.01	8.13	0.046	0.004	0.41	2.82	0.127
701229	Drill Core	0.024	<0.001	<0.01	0.01	<2	0.001	<0.001	0.18	1.30	<0.01	0.023	<0.001	<0.001	<0.01	11.50	0.049	0.005	0.35	2.34	0.020
701230	Drill Core	<0.001	0.499	2.10	4.30	185	<0.001	<0.001	0.34	4.08	<0.01	0.005	0.026	0.005	<0.01	3.06	0.017	0.001	0.35	0.56	0.063
701231	Drill Core	<0.001	0.027	<0.01	0.01	<2	0.004	0.002	0.03	3.74	<0.01	0.036	<0.001	<0.001	<0.01	2.08	0.041	0.008	1.14	2.78	0.220
701232	Drill Core	<0.001	<0.001	<0.01	<0.01	<2	0.001	<0.001	0.08	1.09	<0.01	0.037	<0.001	<0.001	<0.01	4.77	0.053	0.004	0.38	1.58	0.105
701233	Drill Core	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.07	0.95	<0.01	0.050	<0.001	<0.001	<0.01	3.85	0.058	0.005	0.38	1.60	0.147
701234	Drill Core	0.001	0.003	<0.01	<0.01	<2	0.001	<0.001	0.03	0.91	<0.01	0.062	<0.001	<0.001	<0.01	1.78	0.045	0.006	0.57	2.36	0.348
701235	Drill Core	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.12	<0.01	0.005	<0.001	<0.001	<0.01	20.47	0.001	<0.001	12.28	0.05	0.013
701236	Drill Core	0.005	0.001	<0.01	0.06	<2	0.001	<0.001	0.26	0.99	<0.01	0.054	<0.001	<0.001	<0.01	13.43	0.039	0.004	0.56	1.65	0.030
701237	Drill Core	0.036	<0.001	<0.01	0.03	<2	<0.001	<0.001	0.30	1.17	<0.01	0.019	<0.001	<0.001	<0.01	9.95	0.040	0.004	1.31	1.53	0.010
701238	Drill Core	<0.001	0.005	<0.01	0.01	<2	0.004	0.002	0.25	3.62	<0.01	0.070	<0.001	<0.001	<0.01	4.27	0.050	0.007	1.24	3.29	0.053
701239	Drill Core	0.001	0.029	<0.01	0.25	5	0.006	0.003	0.35	5.95	0.06	0.013	<0.001	0.003	<0.01	5.17	0.045	0.005	0.83	2.70	0.038
701240	Drill Core	<0.001	0.508	2.15	4.57	175	<0.001	<0.001	0.35	4.02	<0.01	0.006	0.027	0.005	<0.01	3.00	0.017	0.001	0.35	0.85	0.181

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**Project:** Silverhart  
**Report Date:** December 03, 2007

**Page:** 2 of 3 **Part** 2

CERTIFICATE OF ANALYSIS

VAN07001583.1

Method	7AR	7AR	7AR	7AR
Analyte	K	W	Hg	Pb
Unit	%	%	%	%
MDL	0.001	0.001	0.001	0.01
701211	Drill Core	0.215	0.038	<0.001
701212	Drill Core	0.109	0.008	<0.001
701213	Drill Core	0.193	0.001	<0.001
701214	Drill Core	0.023	0.004	<0.001
701215	Drill Core	0.012	<0.001	<0.001
701216	Drill Core	0.009	0.011	<0.001
701217	Drill Core	0.011	<0.001	<0.001
701218	Drill Core	0.369	<0.001	<0.001
701219	Drill Core	0.054	0.002	<0.001
701220	Drill Core	0.383	0.008	<0.001
701221	Drill Core	0.065	0.011	<0.001
701222	Drill Core	0.094	0.025	<0.001
701223	Drill Core	0.034	0.006	<0.001
701224	Drill Core	0.017	0.053	<0.001
701225	Drill Core	0.007	<0.001	<0.001
701226	Drill Core	0.153	0.011	<0.001
701227	Drill Core	0.120	0.003	<0.001
701228	Drill Core	0.178	0.054	<0.001
701229	Drill Core	0.033	0.009	<0.001
701230	Drill Core	0.385	0.010	<0.001
701231	Drill Core	0.673	<0.001	<0.001
701232	Drill Core	0.053	0.001	<0.001
701233	Drill Core	0.094	<0.001	<0.001
701234	Drill Core	0.196	<0.001	<0.001
701235	Drill Core	0.010	<0.001	<0.001
701236	Drill Core	0.182	<0.001	<0.001
701237	Drill Core	0.116	0.009	<0.001
701238	Drill Core	0.573	<0.001	<0.001
701239	Drill Core	0.639	0.002	<0.001
701240	Drill Core	0.469	0.008	<0.001

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**Project:** Silverhart  
**Report Date:** December 03, 2007

**Page:** 3 of 3 **Part** 1

## CERTIFICATE OF ANALYSIS

VAN07001583.1

Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	
Unit	%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001	
701241	Drill Core	0.002	0.001	0.01	0.03	<2	0.001	<0.001	0.49	2.62	<0.01	0.076	<0.001	<0.001	<0.01	16.41	0.072	0.005	0.47	1.98	0.007
701242	Drill Core	<0.001	0.002	>4	1.97	81	0.001	<0.001	1.47	3.87	<0.01	0.028	0.004	0.007	<0.01	12.15	0.045	0.002	0.65	1.31	0.006
701243	Drill Core	<0.001	0.004	0.19	0.23	20	0.003	0.001	0.70	3.46	<0.01	0.031	<0.001	<0.001	<0.01	8.44	0.052	0.003	0.45	1.81	0.007
701244	Drill Core	<0.001	0.019	<0.01	0.01	<2	0.004	0.002	0.17	3.00	<0.01	0.032	<0.001	<0.001	<0.01	5.24	0.055	0.004	0.72	2.02	0.092
701245	Drill Core	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.01	0.10	<0.01	0.004	<0.001	<0.001	<0.01	20.38	0.002	<0.001	12.60	0.02	0.004
701246	Drill Core	<0.001	0.092	<0.01	<0.01	<2	0.004	0.004	0.02	7.98	<0.01	0.014	<0.001	<0.001	<0.01	1.74	0.056	0.004	0.71	2.32	0.148



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Project:

Silverhart

Report Date:

December 03, 2007

Page:

3 of 3

Part 2

## CERTIFICATE OF ANALYSIS

VAN07001583.1

	Method	7AR	7AR	7AR	7AR
	Analyte	K	W	Hg	Pb
	Unit	%	%	%	%
	MDL	0.001	0.001	0.001	0.01
701241	Drill Core	0.218	0.001	<0.001	
701242	Drill Core	0.386	0.002	<0.001	5.71
701243	Drill Core	0.761	0.003	<0.001	
701244	Drill Core	0.574	<0.001	<0.001	
701245	Drill Core	0.008	<0.001	<0.001	
701246	Drill Core	0.572	0.002	<0.001	

**QUALITY CONTROL REPORT**

**VAN07001583.1**

Method		7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na
Unit		%	%	%	%	GM/T	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL		0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.001
Core Reject Duplicates																					
701233	Drill Core	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.07	0.95	<0.01	0.050	<0.001	<0.001	<0.01	3.85	0.058	0.005	0.38	1.60	0.147
DUP 701233	QC	<0.001	0.002	<0.01	0.01	<2	0.002	<0.001	0.10	1.18	<0.01	0.057	<0.001	<0.001	<0.01	4.10	0.054	0.004	0.49	1.83	0.267
Reference Materials																					
STD CCU-1C	Standard																				
STD CZN-3	Standard																				
STD MP-2	Standard																				
STD PBC-1	Standard																				
STD PTC-1A	Standard																				
STD R3A	Standard	0.075	0.810	1.94	3.95	197	0.527	0.062	0.07	31.42	0.04	0.003	0.024	0.037	<0.01	1.33	0.049	0.014	1.05	1.23	0.058
STD R3A	Standard	0.076	0.812	1.95	3.95	197	0.530	0.063	0.07	31.88	0.04	0.003	0.024	0.039	<0.01	1.32	0.050	0.013	1.04	1.12	0.050
STD R3A	Standard	0.075	0.803	1.94	3.94	198	0.524	0.062	0.07	30.99	0.04	0.003	0.023	0.034	<0.01	1.31	0.048	0.014	1.05	1.14	0.053
STD R3A	Standard	0.077	0.812	1.98	4.01	200	0.534	0.063	0.07	31.57	0.04	0.003	0.024	0.037	<0.01	1.32	0.049	0.014	1.07	1.19	0.059
STD CZN-3 Expected																					
STD PTC-1A Expected																					
STD PBC-1 Expected																					
STD R3A Expected		0.077	0.811	1.92	4.03	197	0.524	0.062	0.07	32.47	0.04	0.003	0.023	0.031		1.29	0.05	0.011	1.04	1.08	0.04
BLK	Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001
BLK	Blank																				
BLK	Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001
Prep Wash																					
G1	Prep Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.06	1.95	<0.01	0.008	<0.001	<0.001	<0.01	0.57	0.079	0.007	0.62	1.34	0.193
G1	Prep Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.06	1.91	<0.01	0.009	<0.001	<0.001	<0.01	0.58	0.075	0.004	0.60	1.45	0.228



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**Project:** Silverhart  
**Report Date:** December 03, 2007

**Page:** 1 of 1 Part 2

## QUALITY CONTROL REPORT

VAN07001583.1

Method		7AR	7AR	7AR	7AR
Analyte		K	W	Hg	Pb
Unit		%	%	%	%
MDL		0.001	0.001	0.001	0.01
Core Reject Duplicates					
701233	Drill Core	0.094	<0.001	<0.001	
DUP 701233	QC	0.155	0.002	<0.001	
Reference Materials					
STD CCU-1C	Standard				0.38
STD CZN-3	Standard				0.08
STD MP-2	Standard				<0.01
STD PBC-1	Standard				27.82
STD PTC-1A	Standard				0.03
STD R3A	Standard	0.442	0.004	0.002	
STD R3A	Standard	0.435	0.010	0.002	
STD R3A	Standard	0.535	<0.001	0.002	
STD R3A	Standard	0.556	<0.001	0.002	
STD CZN-3 Expected					0.113
STD PTC-1A Expected					0.05
STD PBC-1 Expected					26.7
STD R3A Expected		0.41		0.002	
BLK	Blank	<0.001	<0.001	<0.001	
BLK	Blank				<0.01
BLK	Blank	<0.001	<0.001	<0.001	
Prep Wash					
G1	Prep Blank	0.643	<0.001	<0.001	
G1	Prep Blank	0.648	<0.001	<0.001	