

**TARGET EVALUATION HARD ROCK EXPLORATION PROGRAM**

**YMIP # 11-004 FINAL TECHNICAL REPORT**

*for the*

**CARLIN GOLD CORPORATION - CONSTANTINE METAL  
RESOURCES LTD. JOINT-VENTURE (CCJV) PROJECT**

*on the*

**X-REA PROPERTY:**

**X-CLAIM GROUP HM 02911**

**REA CLAIM GROUP HM 02913**

*where work was performed from*

July through September, 2011

*in the*

Mayo Mining District, Yukon  
NTS Sheet 105O/05, 105O/06

*centered at*

UTM NAD 83 Zone 9, 376270E 7028450N

February 22, 2012

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### **X-CLAIM GROUP HM 02911**

X 53-56	YD118663-YD118666	owned by Carlin Gold Corporation
X 83-92	YD118693-YD118702	owned by Carlin Gold Corporation
X 93-162	YD121803-YD121872	owned by Carlin Gold Corporation
X 163-180	YD72429-YD72446	owned by Carlin Gold Corporation
X 205-254	YD121915-YD121964	owned by Carlin Gold Corporation
X 275-324	YD121985-YD122034	owned by Carlin Gold Corporation
X 329-454	YD122039-YD122164	owned by Carlin Gold Corporation
X 455-642	YE27315-YE27502	owned by Carlin Gold Corporation

### **REA CLAIM GROUP HM 02913**

REA 1-146	YD112851-YD112996	owned by Carlin Gold Corporation
X 1-52	YD118611-YD118662	owned by Carlin Gold Corporation
X 57-82	YD118667-YD118692	owned by Carlin Gold Corporation
X 181-204	YD121891-YD121914	owned by Carlin Gold Corporation
X 255-274	YD121965-YD121984	owned by Carlin Gold Corporation
X 325-328	YD122035-YD122038	owned by Carlin Gold Corporation

## SUMMARY

In October 2010, Carlin Gold Corporation staked the REA 1-146 claims. This was followed by the staking of the X 1-454 claims in November and December, 2010, and the X 455-642 claims in March, 2011. Collectively, the X-REA claims (Property) are part of a Constantine/Carlin joint venture (CCJV). For assessment purposes, the X claims are Group HM 02911, and the REA claims are Group HM 02913. Work on the two groups is being described in this one report because the two groups are both contiguous, occupy a similar geological setting and were explored as a single, unified property.

The Property was staked after reviewing RGS (regional silt sample) data, researching the available geological data (mostly from the Yukon Geological Survey – YGS), and researching the YGS MINFILE database. Staking followed the public announcement by ATAC Resources Ltd. of the discovery of Carlin-style mineralization at the Osiris and nearby Conrad zones in what is now being referred to as the Nadaleen trend, located approximately 90 kilometers north-northwest of the Property.

The Property is underlain primarily by sedimentary rocks exhibiting a variety of lithologies and ranging in age from Ordovician to Permian. These rocks have undergone multistage (?) folding, have been cut by prominent regional fault structures and intruded by a Cretaceous-age quartz monzonite of the Tombstone Suite.

An initial stage of reconnaissance geochemical sampling was completed using predominantly contour soil and silt traversing. The survey included collection of 1601 soils, 138 silts, and 76 rock chip samples. Field sample preparation of soil and silt samples was done to produce -80 mesh sample material for analysis. Field XRF analysis, primarily for the purpose of arsenic determination, was completed on all samples prior to analysis at Acme Analytical Laboratories Ltd. (AcmeLabs) for 36 element ICP-MS and 30 gm AA determination for gold.

The geochemistry of this initial phase of work has outlined several promising areas. The most prominent target defined to date is an east-west trending + 20 ppb gold-in-soil zone measuring 3 km long and 1 km wide. Eight soil samples within the core of this zone contain greater than 1.0 g/t gold, with a high value of 6.36 g/t gold. These areas require more detailed sampling and prospecting and geological mapping for drill hole targeting.

## Table of Contents

SUMMARY .....	iii
1. INTRODUCTION .....	1
1.1 Location and Access .....	1
1.2 Physiography and Vegetation .....	1
1.3 Claim Details .....	1
1.4 Exploration History .....	2
2. GEOLOGICAL SETTING .....	4
2.1 Regional Geology .....	4
2.2 Property Geology .....	4
2.3 Mineralization Potential .....	5
3. WORK PROGRAM .....	9
3.1 Sampling Area .....	9
3.2 Sample Preparation and Procedures .....	9
3.3 XRF Analysis .....	10
3.4 Assay Procedure .....	11
3.5 Personnel .....	13
3.6 Expenditures .....	14
4. GEOCHEMISTRY .....	16
4.1 Previous geochemical sampling .....	16
4.2 Project Geochemical Sampling .....	16
4.3 Geochemical distribution – CCJV Coverage .....	17
5. DISCUSSION and CONCLUSION .....	19
6. RECOMMENDATIONS .....	20
7. REFERENCES .....	21



## LIST OF TABLES

Table 1. Claim Summary for the X-REA property <sup>1</sup> .....	2
Table 2. Regional Geologic Units (Gordey, S.P. and Makepeace, A.J. ( <i>compilers</i> ) 2003) .....	5
Table 3. Regional Stream Sediment (silt) geochemistry data for the X and REA properties .....	8
Table 4. Table of expenditures for the X Property Group (HM 02911) .....	14
Table 5. Table of expenditures of the REA Property Group (HM 02913) .....	15
Table 6. Statistics for soil samples in the X and REA properties.....	17
Table 7. Statistics for silt samples in the X and REA properties .....	19

## LIST OF FIGURES

Figure 1. X and REA property regional location map .....	3
Figure 2. Regional geology map of the X-REA property .....	6
Figure 3. RGS sample locations in the X/REA property. ....	8
Figure 4. XRF linear regression analysis for Arsenic.....	12
Figure 5. Soil anomaly areas targeted for follow up evaluation. ....	18

## LIST OF PLATES

Plate 1. Sample location map for X-REA Property – West Sheet.....	in pocket
Plate 2. Sample location map for X-REA Property – East Sheet.....	in pocket
Plate 2-a. Insert A of sample location map for X-REA Property .....	in pocket
Plate 2-b. Insert B of sample location map for X-REA Property .....	in pocket
Plate 3. Geochemical distribution map for Gold for the X-REA Property .....	in pocket
Plate 3-a. Insert A of geochemical distribution map for Gold for the X-REA Property .....	in pocket

## APPENDICES

- A. Statement of Qualifications
- B. Claim Details
- C. Sample GPS and Selected Assay Data
- D. Rock Description Table
- E. Assay Certificates

## **1. INTRODUCTION**

### **1.1 Location and Access**

The Property is located in east-central Yukon centered at UTM NAD83 Zone 9 Easting 376270, Northing 7028450 on NTS sheets 105O/05 and 105O/06. The Property is situated 160 km north of the community of Ross River and 60 km northwest of the Mac Pass airstrip on the North Canol road (Fig. 1). The edge of the property is traversed by an old winter road that extends west from the North Canol Road to the Plata airstrip.

### **1.2 Physiography and Vegetation**

The Property is located within the Selwyn Range, immediately north of the Hess River. Although the claims follow the Hess River valley, the Property is generally fairly rugged with a series of steep mountains connected by glacial carved valleys. Elevations range from 800 m along the Hess River to 1960 m along the quartz monzonite peaks. Highest elevations are characterized by rubblecrop, talus, and abundant outcrop along the ridges. Lower elevations are covered by cordilleran boreal spruce and fir forest, with abundant alder growth. This vegetation grades into stunted conifers and buckbrush towards the tree line. Alpine tundra vegetation covers higher elevations.

### **1.3 Claim Details**

The Property consists of 788 contiguous quartz claims covering an area of 163 square kilometers that are located in the Mayo Mining District, Yukon. Claims are located on NTS Sheets 105O/05 and 105O/06, centered at UTM NAD83 Zone 9 376270E and 7028450N. The property consists of the “X” and “REA” claims owned by Carlin Gold Corporation. Table 1 shows the claim summary of the property. A complete list of claim details is included in Appendix B.

Table 1. Claim Summary for the X-REA property<sup>1</sup>

Group	Claim Name	Claim No.	Grant No. (to)	Total No.	Expiry Date <sup>1</sup>	NTS Sheet	Registered Owner
HM02911	X	53-56	YD118663- YD118666	4	14/12/13	105O/06	Carlin Gold Corporation – 100%
HM02911	X	83-92	YD118693- YD118702	10	14/12/16	105O/06	Carlin Gold Corporation. – 100%
HM02911	X	93-162	YD121803- YD121872	70	14/12/13	105O/05 & &14/12/16	105O/06 Carlin Gold Corporation – 100%
HM02911	X	205- 254	YD121915- YD121964	50	14/12/13	105O/05 & &14/12/16	105O/06 Carlin Gold Corporation – 100%
HM02911	X	163- 180	YD72429- YD72446	18	14/12/13	105O/06	Carlin Gold Corporation – 100%
HM02911	X	275- 324	YD121985- YD122034	50	14/12/16	105O/05 & &14/12/13	105O/06 Carlin Gold Corporation – 100%
HM02911	X	329- 454	YD122039- YD122164	126	14/12/13	105O/05 & &14/12/16	105O/06 Carlin Gold Corporation – 100%
HM02911	X	455- 642	YE27315- YE27502	198	04/04/12	105O/05	Carlin Gold Corporation – 100%
HM02913	REA	1-146	YD112851- YD112996	146	26/10/14, 26/10/16	105O/06	Carlin Gold Corporation – 100%
HM02913	X	1-52	YD118611- YD118662	52	14/12/16	105O/06	Carlin Gold Corporation. – 100%
HM02913	X	57-82	YD118667- YD118692	26	14/12/13	105O/05 & &14/12/16	105O/06 Carlin Gold Corporation – 100%
HM02913	X	181- 204	YD121891- YD121914	24	14/12/13	105O/05 & &14/12/16	105O/06 Carlin Gold Corporation – 100%
HM02913	X	255- 274	YD121965- YD122984	20	14/12/16	105O/05 & &14/12/13	105O/06 Carlin Gold Corporation – 100%
HM02913	X	325- 328	YD122035- YD122038	4	14/12/13	105O/05 & &14/12/16	105O/06 Carlin Gold Corporation – 100%

<sup>1</sup>Expiry dates may vary by individual claims. Refer to Appendix B for further details.

#### 1.4 Exploration History

The Property covers ground that includes two MINFILE occurrences, 105O 6 (“Scot”) and 105O 26 (“Dickie”). The Scot MINFILE zinc (silver) occurrence is located in the southeast corner of the Property (claim X-33), and explored for SEDEX-type Pb-Zn-Ag mineralization. A four-hole diamond drilling program was completed in 1972 (Dean ,1973); holes were located on current claims X-65, 66, 67, did not encounter zinc mineralization and did not account for the anomalous geochemistry. The Dickie MINFILE zinc (silver) occurrence is located in the central part of the Property (claim X-408) was the site of limited exploration in the late 1970s. MINFILE occurrence 105O 007, referred to as “Art” in the occurrence summary but currently known as the Cynthia prospect, is located 3.6 km NW of the NW REA claim boundary, 4.1 km NE of the NE X claim boundary. Cecile and Abbott (1989) mapped a quartz vein at approximately UTM 388,200E, 7,023,900N, near the common boundary of X-1,3,21,30. The remainder of the claim area appears to have not been extensively explored.

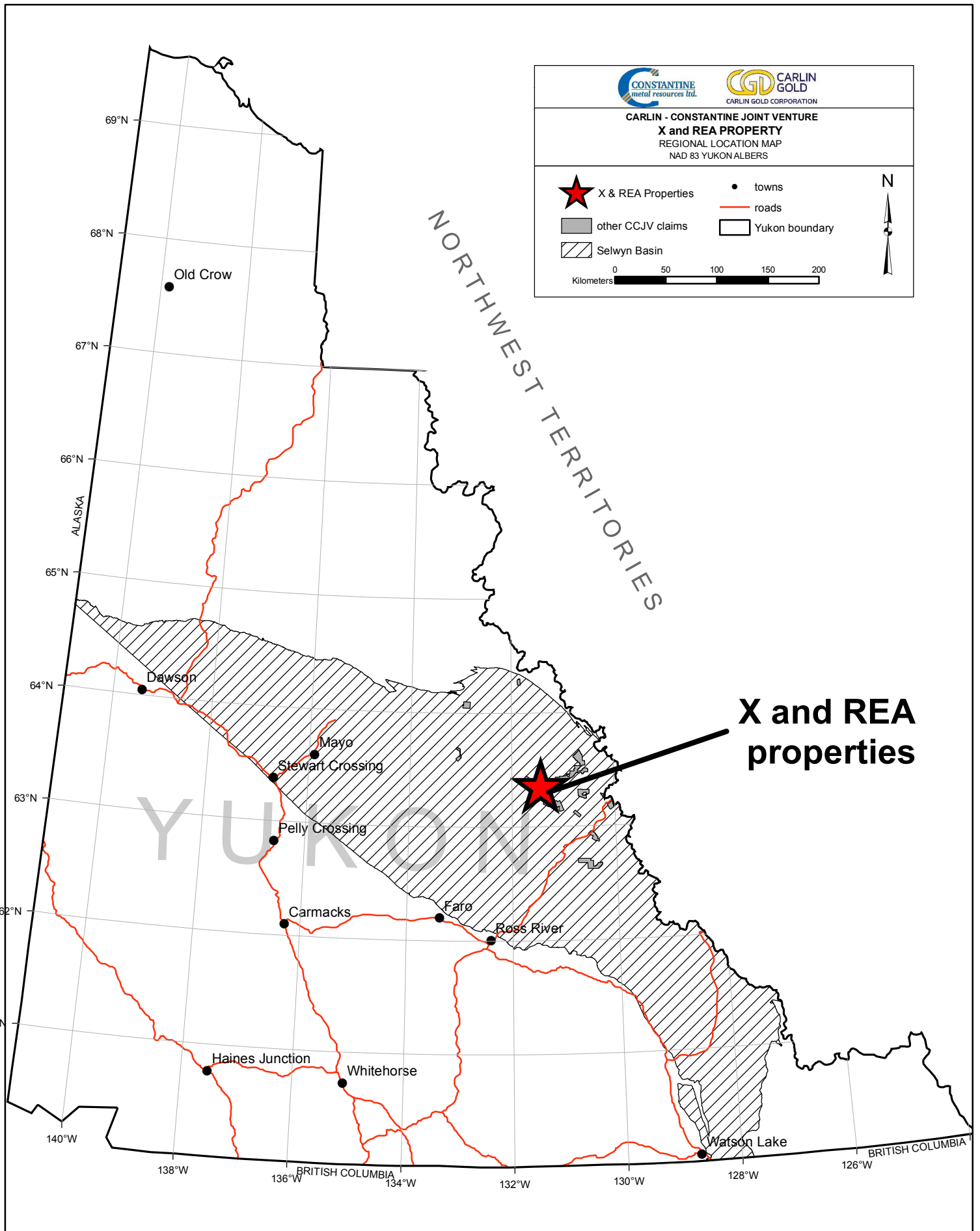


Figure 1. X and REA property regional location map

## **2. GEOLOGICAL SETTING**

### **2.1 Regional Geology**

The Property is located in the Selwyn Basin and situated on the northeastern side of the Tintina Trench within the northwestern Omineca Belt. The Selwyn Basin occupies much of central and southeastern Yukon and extends east into the southeast edge of the Northwest Territories. It consists of an offshelf continental margin, containing deep-water shales and clastic wedges (Table 2) bounded by platform carbonates to the northeast. This basinal rock sequence ranges in age from Late Proterozoic through Devonian and has undergone folding and faulting subsequent to deposition. Some of the more prominent regional-scale thrust faults that imbricate rocks of the Selwyn Basin include the Robert Service, Dawson, and Tombstone Thrusts.

The Property is located within the Tintina gold belt which follows an arcuate trend of mid- to late- Cretaceous granitoid intrusions extending from eastern Alaska, across central Yukon to the common Yukon-British Columbia-Northwest Territories border, roughly parallel to the accretionary ancestral North American craton boundary (Soloviev, 2003). These intrusions are referred to as “Tombstone Suite” intrusions, and also referred to in the Yukon as the Selwyn Intrusive Suite. In southeast Yukon the 98-92 Ma Tombstone/Selwyn intrusions were emplaced into folded and faulted stratigraphy of the Selwyn Basin. These granitoids were intruded following a period of terrane collision, crustal thickening and lower greenschist-facies metamorphism. The plutons are related to extensional events with a heterogeneous source resulting in varying mineralogy, particularly at the contacts of the various metasedimentary units.

### **2.2 Property Geology**

According to the compiled regional geology map (Gordey & Makepeace, 2003) the Property is underlain by a variety of Paleozoic sedimentary rocks ranging in age from Cambrian through Permian (?). The regional units are described in Table 2, and illustrated in Figure 2. The sedimentary sequence forms a west-northwest trending belt, parallel to the regional trend, with fold axes inferred from map patterns trending parallel to the regional trend. An equidimensional 3.5-4.0 km wide Cretaceous-age quartz monzonite intrusive body penetrates the sedimentary sequence on the north side of the Property. This body is the southeastern of two mid-size intrusions, referred to as the “twin batholiths” in some of the available mineral assessment reports (Fig. 2). The regional compilation map (Gordey & Makepeace, 2003) shows four major fault structures cutting on the Property. These structures are pre-intrusive in age, and are parallel with the west-northwest regional grain. The faults generally mark major unit boundaries (Fig. 2). Cecile & Abbott (1989) mapped the southernmost west-northwest fault as a thrust, with Cambrian sedimentary units of the Gull Lake Formation (?) (south) thrust over lithologies of both the Road River and Earn Groups (north). McHale (1979) described lithologies at the Dickie MINFILE occurrence (1050 26) consisting of interbedded black chert, calcareous shale and limestone adjacent to the thrust fault. The three other faults shown on the regional compilation map are indicated as “normal/reverse”.

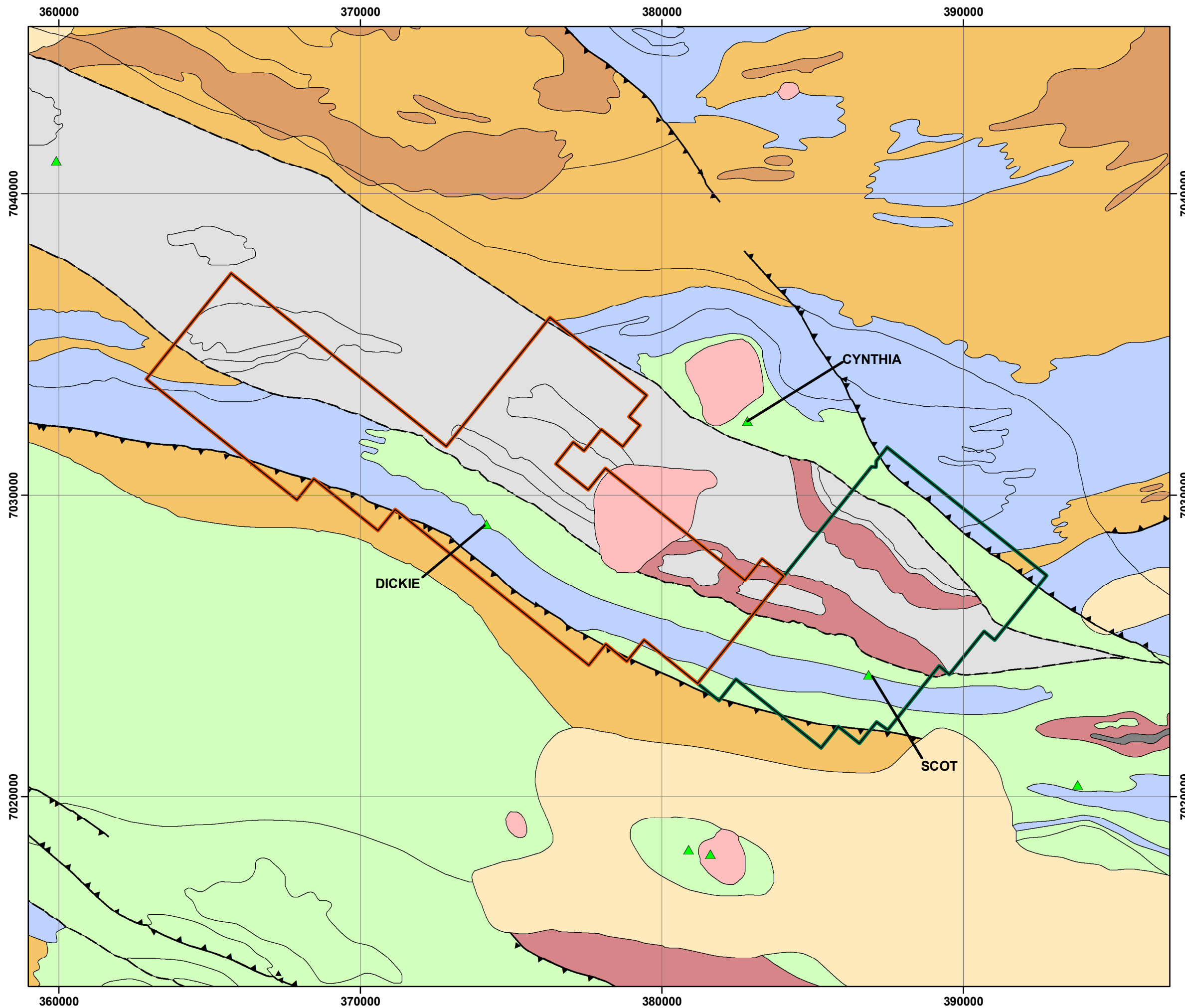
Table 2. Regional Geologic Units (Gordey, S.P. and Makepeace, A.J. (compilers) 2003)



<b>Unit</b>	<b>Age</b>	<b>Rock Type</b>
Tombstone (Selwyn) Suite	Mid-Cretaceous	Medium to coarse-grained, locally porphyritic biotite ± hornblende clinopyroxene granite, quartz monzonite and granodiorite.
Mount Christie	Carboniferous to Permian	Burrowed, interbedded greenish grey cherty shale and green shale; thin to medium bedded, light grey-green to black chert; black siliceous slate and siltstone; minor quartzite. Limestone and dolostone; locally abundant, large grey barite nodules.
Keno Hill Quartzite	Mississippian	Massive to thin bedded quartz arenite; thin to medium bedded quartz arenite interstratified with black shale or carbonaceous phyllite; local scour surfaces and shale interclasts; locally foliated and lineated
Earn Group	Devonian and Mississippian	Thin bedded, laminated slate with thin to thickly bedded fine to medium grained chert-quartz arenite and wacke; thick members of chert pebble conglomerate; black siliceous siltstone; nodular and bedded barite; rare limestone
Road River Group	Ordovician to Lower Devonian	Rusty dark green to orange buff weathering, pyritic, burrowed, thin to thick bedded, argillite and dolomitic siltstone with members or partings of black shale and chert; minor bright orange dolostone.
Gull Lake	Lower Cambrian	Dominantly fine clastic assemblage with local volcanic units – dark green fragmental mafic meta-volcanic and volcanoclastic rocks; siltstone and argillite.

### 2.3 Mineralization Potential

The X-REA claims were staked primarily to target areas for sedimentary rock-hosted, Carlin-style gold mineralization hosted in prospective Paleozoic units. The claims were staked following the ATAC Resources' announcement of the discovery of Carlin-style mineralization at the Osiris and Conrad zones located within the Selwyn Basin 90 kilometers north-northwest of the Property. The target concept was to explore for Carlin-style mineralization distal to the Tombstone suite intrusions in receptive host rocks associated with a structural trap.

Several nearby gold occurrences lend support to the area's potential for precious metal mineralization. Gold values up to 16 g/t in rock samples were reported (Soloviev, 2003) at the nearby Cynthia (MINFILE #1050 7) occurrence. This mineralization occurs most strongly within the zone of intersection of two prominent orthogonal structures trending west-northwest and north-northeast, located within a hornfels aureole approximately 1 km outboard east of the northern "twin batholiths" body. Soloviev et al (2002) report that the strongest development of mineralization is within limestone of the Ordovician to Devonian Road River Group. Alteration consists of multistage quartz introduction including pervasive replacement in limestones,




**CARLIN-CONSTANTINE  
JOINT VENTURE**  
X & REA PROPERTIES  
UTM NAD 83 ZONE 9  
1 : 125 000

**GEOLOGIC UNITS**

- Quaternary Cover
- Selwyn Suite Granite
- Mt. Christie Formation
- Carboniferous Carbonate
- Keno Hill Quartzite
- Earn Group
- Road River Group
- Gull Lake Formation
- Hyland Group

**OTHER**

- X boundary
- REA boundary
- mineral occurrence (MINFILE)
- thrust faults






Figure 2. Regional geology map of the X and REA properties

silicification along stockwork fractures, and later chalcedony along fractures and drusy to cockscomb quartz veining. Silicified and argillically-altered quartz-feldspar porphyry dikes are spatially and probably genetically associated with the mineralization. The mineralization in the intersection zone is also accompanied by high arsenic (>10,000 ppm), silver (to 479 ppm), antimony (to 5480 ppm) and bismuth (to 780 ppm). A 1,100 meter, seven hole drill program at the Cynthia prospect by Golden Predator in 2010 included a best intersection of 0.91 g/t gold and 2.24 g/t silver over 10.0 meters.

The Neve/Brick gold prospect (MINFILE 105O 32), 15 kilometers along structural/stratigraphic trend to the southeast of the Property, displays characteristics similar in several respects to a Carlin-style setting. Salient features include the presence of realgar and orpiment, "micron" gold, intermediate dykes and sills, and potentially favourable shale and silty limestone units, cut by fault zones and overlain by broad areas of anomalous soils. Drilling in the 1980's at the Neve/Brick prospect yielded up to 0.50 g/t Au over 65.9 metres, including 1.24 g/t Au over 12.5 metres.

The two MINFILE occurrences located on the Property (MINFILE 105O 6, 105O 26) targeted Sedex-type settings at/near the contact of two prominent regional units, Devonian and Mississippian Earn Group and Lower Ordovician to Lower Devonian Road River Group. This lithologic environment is similar to that at the nearby Ag-Zn-Pb Sedex deposits in the MacMillan Pass area. Although carbonates are not prominent in the area, the prior Sedex exploration programs conducted on the Property referred to "calcareous shale and limestones" (McHale, 1979), "dark grey limestone" and "orange weathering dolostone" (Gish, 1999). The through-going faults and prominent unconformities shown on the regional geology compilation (Gordy & Makepeace, 2003) are an additional positive indicator for a setting favorable for sedimentary rock-hosted gold mineralization.

The publicly available regional stream geochemistry (RGS data) (see Table 3 and Figure 3) indicates strong gold-mercury-antimony anomalies in several drainages on or directly adjacent to the Property, with six samples in the 95<sup>th</sup> percentile for gold ( $\geq 17$  ppb), nine samples in the 95<sup>th</sup> percentile for arsenic ( $\geq 75$  ppm), four samples in the 95<sup>th</sup> percentile for mercury ( $\geq 382$  ppb), and eleven samples in the 95<sup>th</sup> percentile for antimony ( $\geq 8.3$  ppm)\*.

*\* percentiles based on RGS population clipped to Selwyn Basin area*



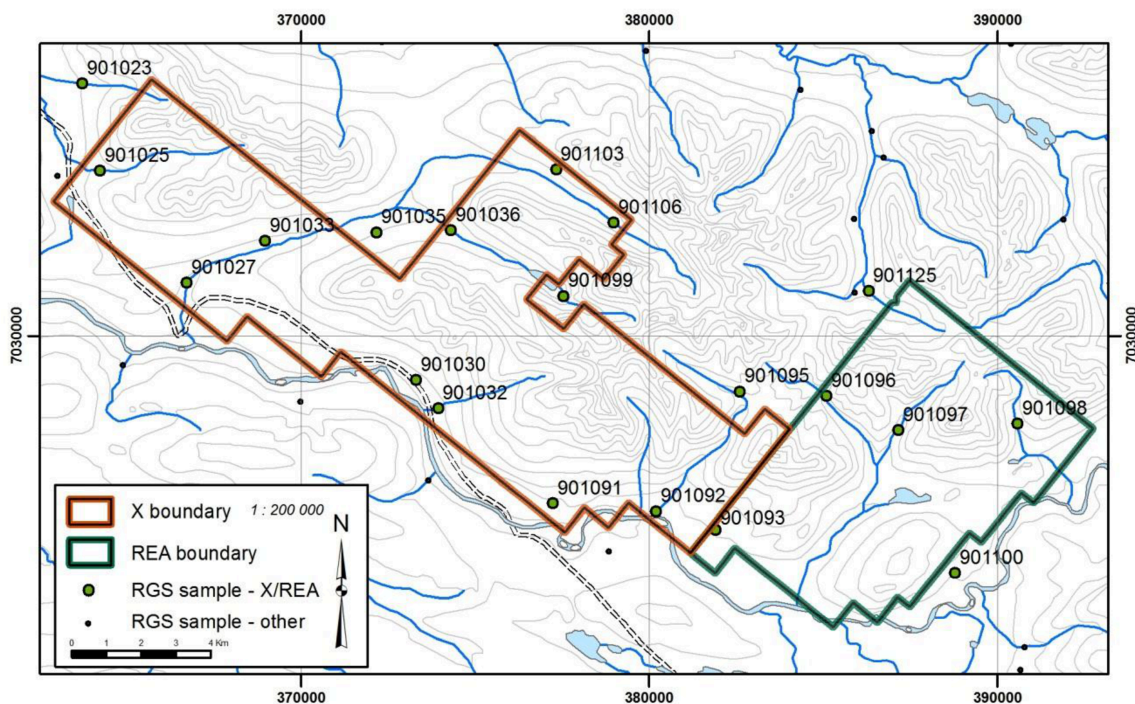


Figure 3. RGS sample locations in the X/REA property.

Table 3. Regional Stream Sediment (silt) geochemistry data for the X and REA properties

SAMPLE NUMBER	SAMPLE ID	Au (ppb)	As (ppm)	Hg (ppm)	Sb (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Ba (ppm)	U (ppm)	W (ppm)	Zn (ppm)
901023	105O901023	9	24	172	3	55	3	15	3800	3.3	0.5	114
901025	105O901025	15	60	389	7.9	63	9	16	6100	11	4	944
901027	105O901027	16	95	196	7.8	67	8	13	4100	10	7	993
901030	105O901030	11	61	273	15	77	19	18	4700	7.7	4	1645
901032	105O901032	12	84	199	13	83	10	15	3800	14	4	1235
901033	105O901033	8	20	360	3.6	46	2	10	2800	8.1	0.5	291
901035	105O901035	15	28	300	6.3	79	3	11	3900	5	3	713
901036	105O901036	14	120	110	9.3	62	3	14	3200	5.6	5	281
901091	105O901091	15	110	178	12	68	10	14	3700	11	4	906
901092	105O901092	20	250	104	12	85	9	14	3900	11	14	797
901093	105O901093	11	42	311	7	45	12	16	7000	4.7	0.5	1290
901095	105O901095	45	530	47	11	56	5	25	970	23	22	150
901096	105O901096	14	60	47	7.9	77	3	27	2500	4.5	0.5	346
901097	105O901097	30	86	1059	12	83	10	17	11000	8.4	0.5	468
901098	105O901098	16	60	1008	13	88	20	15	5100	13	0.5	974
901099	105O901099	53	680	37	11	49	3	21	1000	12	32	127
901100	105O901100	1	11	151	5.8	34	7	10	2000	6.3	0.5	7990
901103	105O901103	20	46	234	9.6	92	10	18	2900	17	1	992
901106	105O901106	47	330	70	16	92	9	21	2300	15	6	535
901125	105O901125	13	63	1597	12	122	21	12	10000	12	1	1875

The Property meets several diagnostic criteria which are characteristic of Carlin-type deposits in Nevada, including the following: 1. ancient continental margin setting, 2. prominent regional scale thrust faults, 3. favourable carbonate-bearing host rock stratigraphy, 4. key pathfinder elements in regional stream sediments, 5. presence of regional-scale antiforms that may present structural traps for gold, and 6. proximity to documented occurrences of low-temperature arsenic minerals (realgar and orpiment).

### **3. WORK PROGRAM**

#### **3.1 Sampling Area**

A total of 1815 samples were collected on the Property, including 76 rocks, 138 silts, and 1601 soils. Contour sampling was the principal sampling approach, with nominal sample spacing at 100-125m. Plates 1, 2, 2a and 2-b show the sample locations.

#### **3.2 Sample Preparation and Procedures**

All soils and silt samples collected were dried and sieved on site and analyzed with a portable XRF unit prior to shipping to AcmeLabs in Vancouver, B.C. All rock samples were shipped to the AcmeLabs sample preparation facility in Whitehorse, Yukon, for sample preparation and subsequent analysis at AcmeLabs in Vancouver, B.C.

##### **3.2.1 Sampling Procedure**

All soils were collected in Kraft Wet Strength 4" by 6" soil bags, and the silts in Hubco New Sentry 5" by 8.5" bags. These bags were pre-labeled and inserted with two of a three part barcoded sample tag series prior to sampling. The third part of the sample tag was left in the sample booklets for the sampler to write notes and/or descriptions which were then recorded in the database. Each sample type have a unique sample series: rock samples have 5-digit sample number starting with a "5XXXX", silts have a 9-digit sample number starting with a "1180XXX", and soils have a 9-digit sample number starting with a "118XXXX". Samples were collected using the blade portion of a Geotul, and dug to depths ranging from 15 cm to 0.5 m (in most cases this was C horizon). Care was taken to sample below organic material and a 2000 year old volcanic ash layer that may be locally present.

##### **3.2.2 Drying Procedure**

After sampling, bags were hung orderly in a drying tent at the end of each traverse/sampling day. The drying tents were constructed of canvas tents, with tarps overlain on top of each tent to keep off elements of nature and moisture. Samples were hung on drying racks, with adequate spacing between each sample to ensure air flow. A

series of heaters, fans, and de-humidifiers were placed in strategic places in the tents to maintain warm moving air and improve drying time. Soil samples were left to dry for at least 3 days, while silt samples were dried for at least 5 days, with actual drying time dependent on the moisture content of the samples. Occasionally, the samples were broken up using a rubber mallet in order to increase the surface area for drying as they tend to harden throughout the drying process.

### **3.2.3 Sieving Process**

The dried samples were then sieved, using a series of automated Gilson SS15 sieve shakers. Samples were broken up and emptied from the bags, with sample tags removed, and placed into a clean stackable set of Tyler 8” stainless steel collecting pans and 80 mesh sieves. Organic matter was discarded and large rock chips were removed prior to sieving. Each pan-sieve set was then loaded onto the shakers in stacks of three sets and shaken for at least 4 minutes. Once shaken, the pans were unloaded and the fine fractions were poured into Tin Top 3” by 5” pulp bags that were tagged with the first part of the three-part sample tags. The second sample tag was then stapled to the original Kraft soil, into which the coarse fractions was poured back. The pans and sieves were then cleaned using a soft brush for the next batch of samples to be processed.

### **3.2.4 XRF Sample Cup Preparation**

A small portion of -80 mesh sieved sample was placed into a sample cup for analysis by the XRF analyzer. The sample material was poured into a 32 mm Double-Open Ended with Ventable Reservoir Cap Universal XRF sample cups until 3/4 full, with one end covered with a Premier Polypropylene X-Ray film of 6.0  $\mu$ ; 0.24 mil, all of which were supplied by Premier Lab Supply. The sample material was then pressed tightly against the film with a cotton ball, and sealed with the Ventable Reservoir Cap. The remaining -80 mesh material was kept together with the analyzed cups until completion of the analysis to ensure integrity of the samples.

## **3.3 XRF Analysis**

### **3.3.1 XRF Analyzing Procedure**

All prepared samples were analyzed with the Thermo Scientific Niton Gold XL3t 500 GOLDD™ handheld X-Ray Fluorescence Analyzer. This analyzer was mounted on a portable test stand, and connected to a field computer. All operations were performed remotely via the computer<sup>3</sup>. Analysis was performed in “Soils” mode, running with 3 filters, at 10 seconds per filter for a total of 30 seconds per sample. (Note: All analyses and operations with the XRF analyzer were in compliance with Canada Federal Regulations).

Prior to the analysis, the barcode on each sample was scanned, followed by placing the corresponding sample cup in the analyzer. The test stand lid was closed, locked, and the sample was then analyzed. Data was automatically recorded, saved directly to the analyzer and simultaneously downloaded to the computer. Two internal standards as well as a lab standard was analyzed every 30 readings. The internal standards were soil matrices from Nevada in a mineralized sediment-hosted environment and the lab standard, “Till 4” was a representative standard for a typical soil matrix. After analysis, the sample cups were labelled and stored, while the remaining -80 mesh fraction samples were shipped to the AcmeLabs in Vancouver, B.C., for further analysis.

### **3.3.2 XRF Data Analysis**

The on-site data XRF analysis allowed for immediate follow-up sampling of areas with anomalous pathfinder elements prior to the return of formal laboratory assay results. The stand mounted handheld XRF analyzer was mainly used for arsenic determination. Arsenic produced the most consistent and reliable data and is strongly correlated with gold in many mineralized environments. To determine the relationship between the field XRF and the assay lab determinations of arsenic, a linear regression analysis was produced (Fig. 4) using the data from the XRF and assay results. This shows a coefficient of determination factor of 0.991 which equates to excellent correlation between both determinations.

## **3.4 Assay Procedure**

The prepped soils and silt samples were shipped to AcmeLabs in Vancouver for “1DX2” assay determination. Sample splits of 15 grams were subjected to a hot (95°) Aqua Regia digestion with a 36 element determination (including gold) by ICP-MS technique. The 15 gram split is deemed an adequate size, for a digestion type analyses, to provide sufficiently reliable gold values for the purpose of the soil and silt surveys.

The rock samples were shipped to the AcmeLabs sample preparation facility in Whitehorse. The rock sample is crushed to 10 mesh, from which a 250 g sample split was produced. The split was pulverized to 200 mesh for analysis. The prepared sample was then shipped to AcmeLabs in Vancouver for analysis. A 0.5 gram subsample was subjected to Aqua Regia digestion and 36 element ICP-MS analysis (AcmeLabs code “1XD1”). A separate 30 gram subsample was analyzed by standard fire assay preparation with Atomic Absorption finish.

For samples reporting upper analytical limit for gold (10 ppm), silver (100 ppm), zinc (10,000 ppm) and lead (10,000 ppm), overlimit assays were completed.

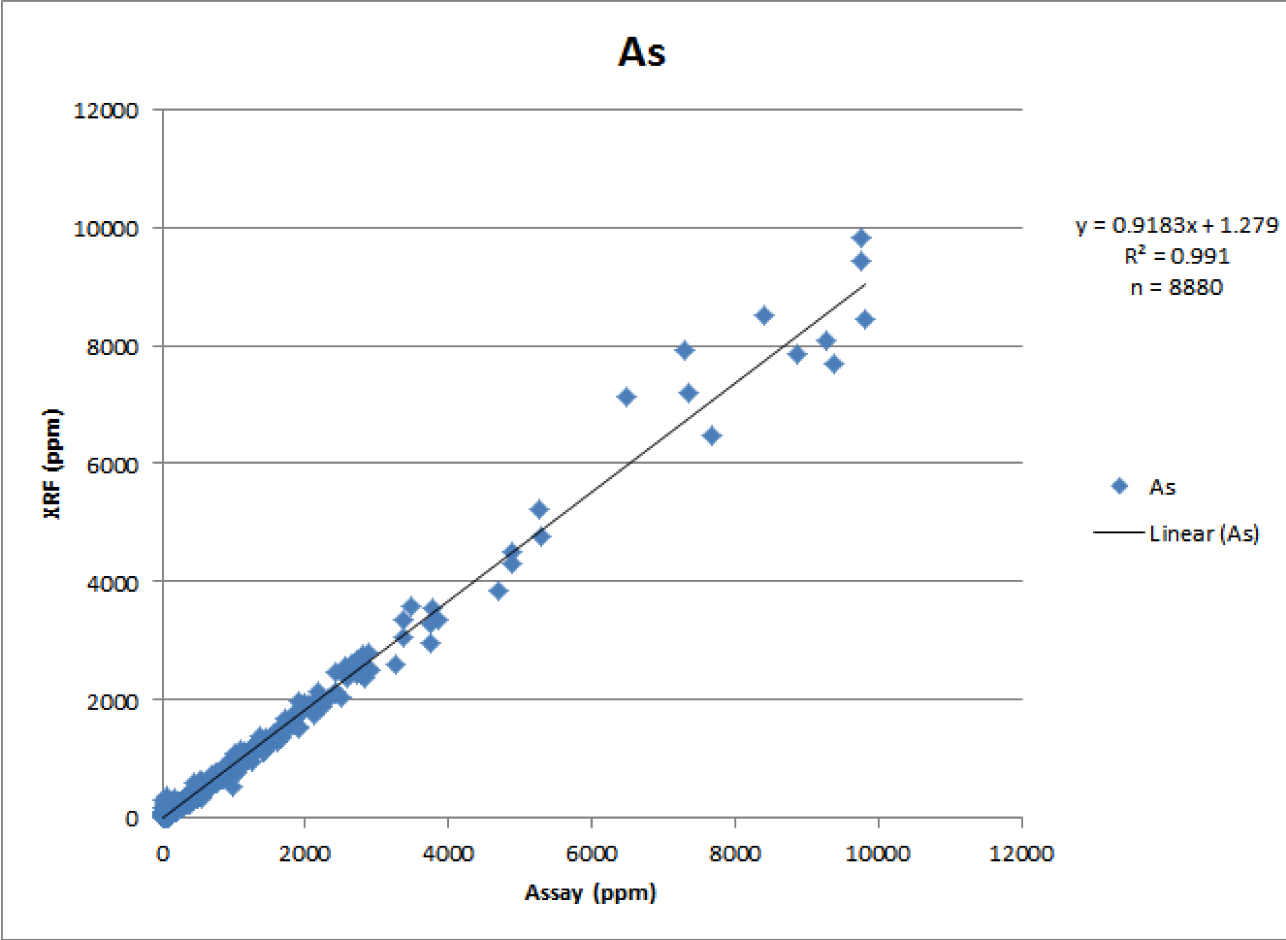


Figure 4. XRF linear regression analysis for Arsenic.

### 3.5 Personnel

The following personnel did all of the applicable work for assessment:

Geologists:

Darwin Green  
Robert Thomas  
K. Wayne Livingstone  
Nathan Steeves  
Aisyah Abdkahar  
Roy Greig, geologist and sample crew chief (C. J. Greig & Associates Ltd.)

Field Technicians (provided by C.J. Greig & Associates Ltd.):

Brittney Bidlake  
Marie Greig  
Hannah Grimsom  
Kei Quinn  
Thomas Sly  
Kelsey Ruffiange  
Nathan Speijer

Prospectors:

Andy Budden  
Mervin Quinlan

Pilot:

Taylor Morrison, Kluane Helicopters

### 3.6 Expenditures

Table 4. Table of expenditures for the X Property Group

<b>Statement of Expenditures - X-Block Property Group (HM 02911)</b>			
July 2011 Reconnaissance Field Program - Soils, Silts, and Prospecting			
<b>LABOUR</b>	<b>UNIT</b>	<b>RATE</b>	<b>TOTAL</b>
Project Manager (Senior Geologist)	9	600	5,400
Crew Chief (Geologist)	9	400	3,600
Geologist/Dbase Manager	18	350	6,300
Sample Crew (C.G Greig and Associates + other)	45	315	14,175
Prospectors	4	400	1,600
Sample prep crew and XRF analyzer	36	315	11,340
subtotal			42,415
<b>GEOCHEMISTRY</b>	<b>UNIT</b>	<b>RATE</b>	<b>TOTAL</b>
Assay cost (Acme Analytical)			22,140
XRF equipment and prep lab rental and supplies			8,550
Shipping			1,661
subtotal			32,351
<b>CAMP COSTS</b>	<b>UNIT</b>	<b>RATE</b>	<b>TOTAL</b>
Room and Board (all-in camp costs per head)*	121	225	27,225
Field Supplies			6,642
subtotal			33,867
<b>FIELD TRANSPORTATION</b>	<b>UNIT</b>	<b>RATE</b>	<b>TOTAL</b>
Helicopter + Fuel (Kluane Helicopters)			54,675
Fixed Wing (Alkan Air)			7,320
subtotal			61,995
<b>REPORT WRITING</b>			3,500
<b>TOTAL</b>			<b>174,128</b>

\* all in camp costs include groceries, fuel, general camp supplies, truck rental, salary of cook, camp manager, camp hands, Whitehorse support costs (expediting/transport of goods), tent and equipment rental etc.

Table 5. Table of expenditures of the REA Property Group

<b>Statement of Expenditures - REA Property Group (HM 02913)</b>			
July 2011 Reconnaissance Field Program - Soils, Silts, and Prospecting			
<b>LABOUR</b>	<b>UNIT</b>	<b>RATE</b>	<b>TOTAL</b>
Project Manager (R.Thomas)	6	600	3,600
Crew Chief (R.Greig)	6	400	2,400
Geologist/Dbase Manager	12	350	4,200
Sample Crew (C.G Greig and Associates + other)	30	315	9,450
Prospectors	2	400	800
Sample prep crew and XRF analyzer	24	315	7,560
subtotal			28,010
<b>GEOCHEMISTRY</b>	<b>UNIT</b>	<b>RATE</b>	<b>TOTAL</b>
Assay cost (Acme Analytical)			14,760
XRF equipment and prep lab rental and supplies			5,700
Shipping			1,107
subtotal			21,567
<b>CAMP COSTS</b>	<b>UNIT</b>	<b>RATE</b>	<b>TOTAL</b>
Room and Board (all-in camp costs per head)*	80	225	18,000
Field Supplies			4,428
subtotal			22,428
<b>FIELD TRANSPORTATION</b>	<b>UNIT</b>	<b>RATE</b>	<b>TOTAL</b>
Helicopter + Fuel (Kluane Helicopters)			36,450
Fixed Wing (Alkan Air)			4,880
subtotal			41,330
<b>REPORT WRITING</b>			3,500
<b>TOTAL</b>			<b>116,835</b>

\* all in camp costs include groceries, fuel, general camp supplies, truck rental, salary of cook, camp manager, camp hands, Whitehorse support costs (expediting/transport of goods), tent and equipment rental etc.



## **4. GEOCHEMISTRY**

### **4.1 Previous geochemical sampling**

Although the Property may not have been explored for gold prior to the CCJV field program, there is documented gold exploration nearby at the Cynthia property. Additionally, there has been several limited efforts at exploration for Sedex-type Zn (Ag) mineralization. For the most part, the base metal programs did not conduct gold assays.

Regional, publicly available silt sample data (RGS) is available for the area. The 31,000 sample, Yukon-wide dataset was clipped to the boundaries of the Selwyn Basin, as it was determined that the statistics within this geological boundary would provide more meaningful information. There are a total of 8,119 samples within this clipped RGS dataset. Since the primary exploration target is a Carlin-type deposit, pathfinder elements of particular interest are gold, arsenic, mercury, and antimony. Thallium is also an important pathfinder element for Carlin-type gold systems; however this data was not available for this area in the RGS dataset prior to implementation of the program. Subsequent to the initiation of the field program, thallium data has become available as a YGS open-file report.

There is limited RGS coverage over parts of the claim area. Of the 20 RGS points within or adjacent to the Property (see Table 3 and Figure 3), several include highly anomalous elements (95th percentile) for “Carlin suite” elements for the clipped Selwyn Basin database, including six samples for gold ( $\geq 17$  ppb), nine samples for arsenic ( $\geq 75$  ppm), four samples for mercury ( $\geq 0.382$  ppm), and eleven samples for antimony ( $\geq 8.3$  ppm).

### **4.2 Project Geochemical Sampling**

The 2011 field program consisted of geochemical sampling, primarily contoured soil and silt sampling. Sample traverses were laid out to best take advantage of topography, while providing efficient coverage of the existing mapped prospective geological features, regional RGS geochemical anomalies, and Landsat TM anomalies. Sampling was also designed to provide, to the extent possible, at least regional coverage of the large property position. A total of 1815 samples were collected, including 76 rocks, 138 silts, and 1601 soils. See Plates 1,2, 2-a and 2-b for sample locations. Thirteen individuals participated in the sampling program. Contour sampling was the principal sampling approach, with nominal sample spacing at 100-125 m. Soil and silt samples were prepped on-site, and analyzed with a portable Niton XRF unit prior to shipment to the assay laboratory. Following XRF analyses, soil and silt samples were then transported to AcmeLabs in Vancouver, BC, where they were analyzed with a 36 element ICP-MS procedure. Rock samples were prepped in the AcmeLabs Whitehorse laboratory, and then shipped to Vancouver for analysis using ICP-MS and fire assay fusion ICP-ES for gold.

### 4.3 Geochemical distribution – CCJV Coverage

#### Soils

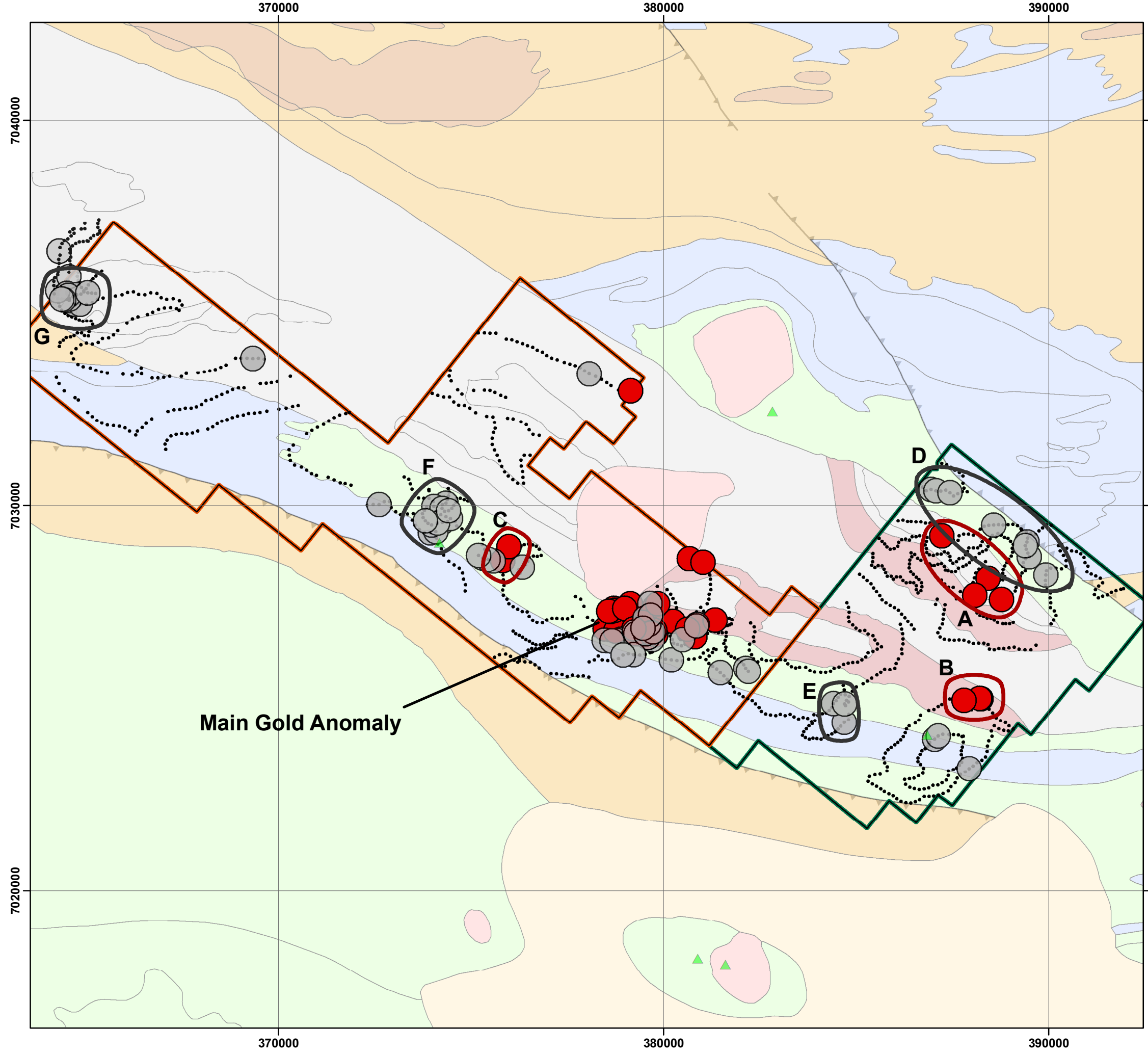
Statistical summaries for gold, arsenic, mercury, antimony, thallium, silver, copper, nickel, lead, zinc and bismuth are provided in Table 6. Property-wide gold and arsenic values are illustrated in Plates 3 and 3-a. A broad 3 km long by 1 km wide gold-arsenic anomaly (“Main Gold Anomaly”) has been defined that is characterized by a majority of soils containing > 100 ppm arsenic and >20 ppb gold. Multiple samples containing > 100 ppb gold define a 700 meter long by 400 meter wide core zone within the Main Gold Anomaly, centered at approximately 379,650E, 7,026,900N (Fig. 5). Eight samples containing >1.0 ppm gold (high 6.36 ppm Au) are distributed over a 300 meter west-northwest trend within the core zone of the anomaly. Although sample spacing was tightened locally to better define the higher grade portion of the anomaly, the overall zone remains incompletely defined. The larger, broad gold anomaly also contains a strong (95<sup>th</sup> percentile) arsenic ( $\geq 418.1$ ppm), antimony ( $\geq 42.1$  ppm), bismuth ( $\geq 0.8$  ppm), selenium ( $\geq 19$  ppm) and tellurium ( $\geq 0.3$  ppm) signature.


Table 6. Statistics for soil samples in the X and REA properties

	<b>Au (ppb)</b>	<b>As (ppm)</b>	<b>Hg (ppm)</b>	<b>Sb (ppm)</b>	<b>Tl (ppm)</b>	<b>Ag (ppm)</b>	<b>Cu (ppm)</b>	<b>Zn (ppm)</b>	<b>Ni (ppm)</b>	<b>Pb (ppm)</b>	<b>Bi (ppm)</b>
Max	126.2	2218.5	2.39	45.6	3.5	18.5	448.3	5419	808.5	83.2	9.6
Mean	13.4	113.3	0.474	7.77	0.46	1.39	86	787	125.9	15.47	0.48
Standard Deviation	15	250.6	0.505	7.21	0.51	2.23	66.1	1035	130.6	8.32	1.08
95th percentile	39.5	557.7	1.63	20.4	1.5	2.9	225	3307	389.5	25.7	1.5

Although not as pronounced as the gold anomaly described above, several other areas contain significant values, and are shown in Figure 5. Specifically, significant gold-in-soil values occur in the vicinity of 388,245E/7,027,900N, 388,000E/7,025,000N, and 375,900E/7,028,800N (“A”, “B”, and “C”, respectively in Figure 5).

Several significant clusters of strongly anomalous silver-in-soil values are delineated, and shown on Figure 5 as areas “D”, “E”, “F” and “G”. The main gold anomaly described above also contains multiple 95<sup>th</sup> percentile silver values (5.4 ppm). The highest silver values in this area occur distal to the + 1 ppm core of the gold anomaly.





**CARLIN-CONSTANTINE JOINT VENTURE**  
**X & REA PROPERTIES**  
 UTM NAD 83 ZONE 9  
 1 : 100 000


<ul style="list-style-type: none"> <li>• Ag &lt; 5.5 ppm ; Au &lt; 62.3 ppb</li> <li>● Ag &gt; 5.5 ppm</li> <li>● Au &gt; 62.3 ppb</li> </ul>	<ul style="list-style-type: none"> <li>◻ Silver target area</li> <li>◻ Gold target area</li> <li>◻ X boundary</li> <li>◻ REA boundary</li> </ul>
-----------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------

**GEOLOGIC UNITS**

	Quaternary Cover
	Selwyn Suite Granite
	Mt. Christie Formation
	Carboniferous Carbonate
	Keno Hill Quartzite
	Earn Group
	Road River Group
	Gull Lake Formation
	Hyland Group

▲ MINFILE occurrence

▲ thrust fault






Figure 5. Soil anomaly areas targeted for follow up evaluation

### Silts

Silt sample geochemistry results are generally consistent with soil results. Statistical summaries for silts are provided in Table 7.

Table 7. Statistics for silt samples in the X and REA properties

	<b>Au (ppb)</b>	<b>As (ppm)</b>	<b>Hg (ppm)</b>	<b>Sb (ppm)</b>	<b>Tl (ppm)</b>	<b>Ag (ppm)</b>	<b>Cu (ppm)</b>	<b>Zn (ppm)</b>	<b>Ni (ppm)</b>	<b>Pb (ppm)</b>	<b>Bi (ppm)</b>
Max	126.2	2218.5	2.39	45.6	3.5	18.5	448.3	5419	808.5	83.2	9.6
Mean	13.4	113.3	0.474	7.77	0.46	1.39	86	787	125.9	15.47	0.48
Standard Deviation	15	250.6	0.505	7.21	0.51	2.23	66.1	1035	130.6	8.32	1.08
95th percentile	39.5	557.7	1.63	20.4	1.5	2.9	225	3307	389.5	25.7	1.5

### Rocks

Six of the 76 rock samples collected contain >100 ppb gold; a float sample containing 1.9 ppm gold was collected approximately 1.4 kilometers northeast of the core soil gold anomaly described above and illustrated in Plate 3-a. This material is described as a sulfide-bearing silicified breccia of shale (?) clasts.

## **5. DISCUSSION and CONCLUSION**

A west-northwest trending zone currently measuring approximately 300 meters long and 130 meters wide contains eight soil sample containing greater than 1 ppm gold, with a high value of 6.35 ppm gold. This zone of very strong gold-in-soils is contained within a 3.0 km long by 1 km wide gold-arsenic anomaly that is characterized by a majority of soils containing > 100 ppm arsenic and >20 ppb gold. As currently defined, this anomaly is contained almost exclusively within what Cecile & Abbott (1989) have mapped as predominantly shaley sedimentary rocks of the Devonian Earn Group. The limited field season did not allow for mapping to take place, so direct geological observations by CCJV personnel are limited. The outcrops of limited rock chip sampling in the gold soil anomaly area included black carbonaceous mudstone (both containing > 100 ppm arsenic), hornfels, silicified limestone (?) and calc-silicated limestone (?). The core of the gold soil anomaly is located approximately 600 meters SE of the quartz monzonite intrusive. Additionally, the core is within 500 meters, and on the south side, of a prominent west-northwest striking fault mapped by Cecile & Abbott (1989). The fault is described as “reverse/normal” on the Gordey & Makepeace (2003) regional compilation map. More geological information is necessary to put this structure into a meaningful context with respect to the gold soil anomalies. Although north of the main anomaly, anomalous gold soil values extend north of this west-northwest regional fault and into Mississippian Keno Hill quartzite.

## **6. RECOMMENDATIONS**

Additional prospecting/sampling, geologic mapping and hand trenching are recommended on the X-REA property. The most obvious area for follow-up and better definition is the strong gold soil anomaly outboard of the southernmost of the “twin batholiths” quartz monzonite bodies and illustrated in Figure 5. The rock chip sampling in this area to date has not adequately explained the source of the gold soil anomaly, and more detailed prospecting is required to accomplish this goal. Detailed geological mapping is required over an approximately 12 square kilometer area centered on the anomalous gold zone.

Following additional sampling/prospecting, hand trenching and mapping, diamond drilling is recommended.

Additional prospecting/sampling is also recommended in the several other gold and silver-anomalous areas illustrated in Figure 5.

## 7. REFERENCES

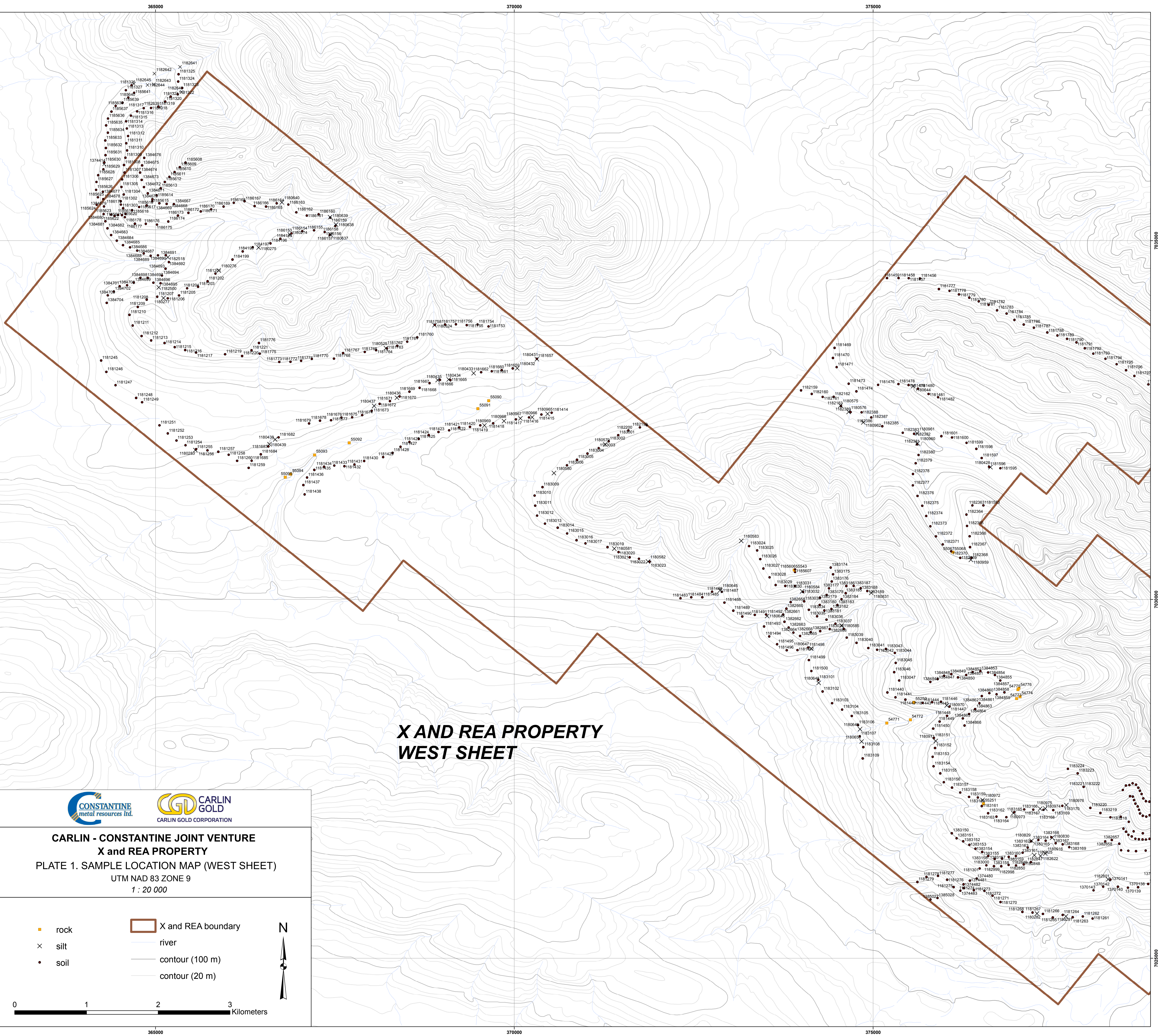
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**X AND REA PROPERTY  
WEST SHEET**



**CARLIN - CONSTANTINE JOINT VENTURE**  
**X and REA PROPERTY**  
 PLATE 1. SAMPLE LOCATION MAP (WEST SHEET)  
 UTM NAD 83 ZONE 9  
 1 : 20 000

■ rock	▭ X and REA boundary	N ↑
× silt	— river	
• soil	— contour (100 m)	
	— contour (20 m)	

0 1 2 3 Kilometers



**CARLIN - CONSTANTINE JOINT VENTURE**  
**X and REA PROPERTY**  
**PLATE 2. SAMPLE LOCATION MAP (EAST SHEET)**  
UTM NAD 83 ZONE 9  
1 : 20 000

● rock	□ Plate 2-a INSERT
× silt	□ Plate 2-b INSERT
• soil	□ X and REA boundary
■ lake	— contour (100 m)
— river	— contour (20 m)

0 1 2 3 Kilometers

**X AND REA PROPERTY**  
**EAST SHEET**

Plate 2-a Insert

Plate 2-b Insert











**CARLIN - CONSTANTINE JOINT VENTURE  
X and REA PROPERTY**  
PLATE 3. GEOCHEMICAL DISTRIBUTION MAP FOR GOLD  
UTM NAD 83 ZONE 9  
1 : 50 000

**Au Soils (ppb)**

- 0.500000 - 10.000000
- 10.000001 - 25.000000
- 25.000001 - 50.000000
- 50.000001 - 100.000000
- 100.000001 - 6355.800000

**Au Silts (ppb)**

- ▲ 0.600000 - 5.000000
- ▲ 5.000001 - 15.000000
- ▲ 15.000001 - 35.000000
- ▲ 35.000001 - 65.000000
- ▲ 65.000001 - 126.200000

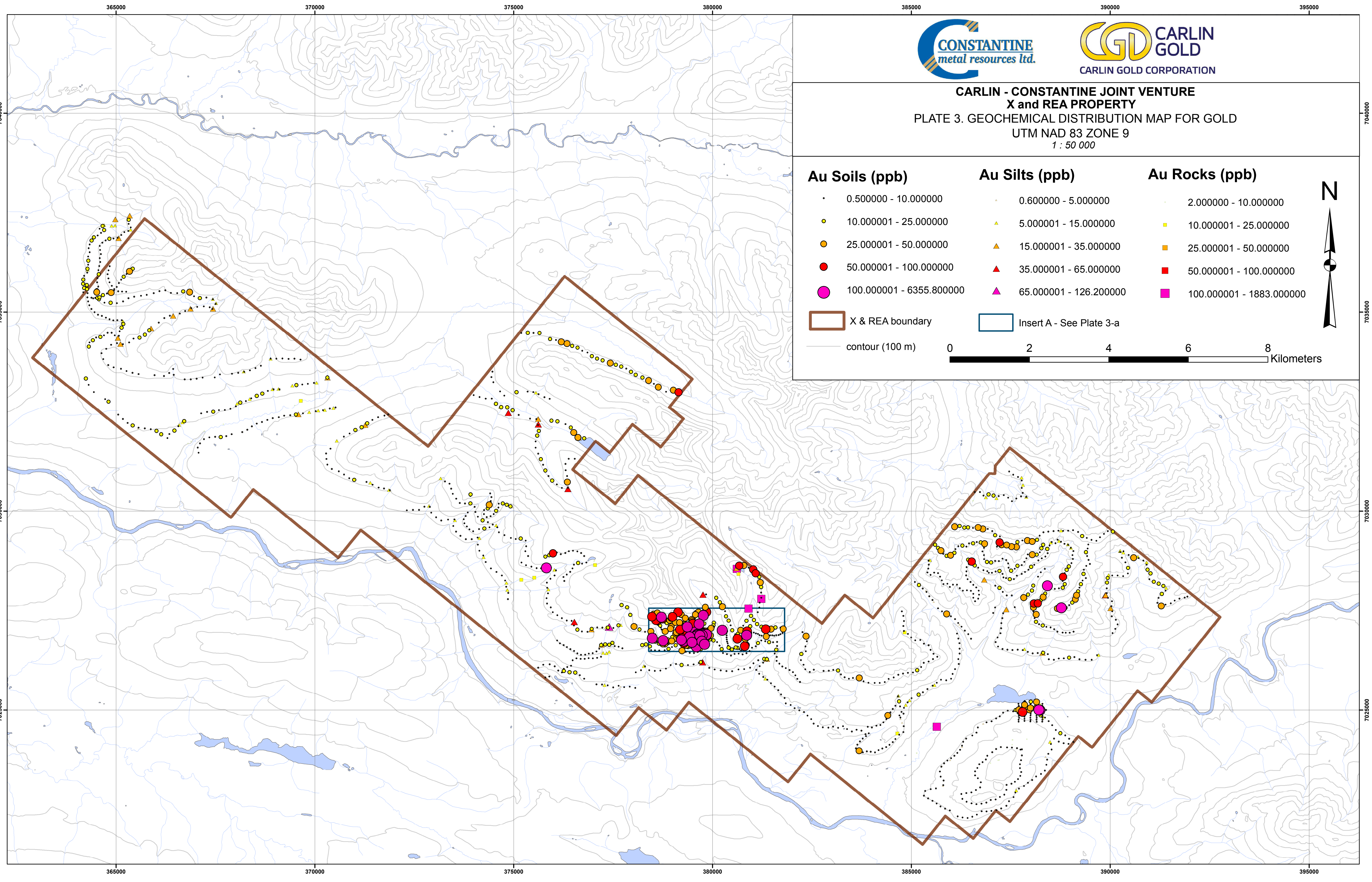
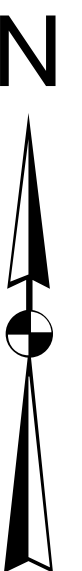
**Au Rocks (ppb)**

- 2.000000 - 10.000000
- 10.000001 - 25.000000
- 25.000001 - 50.000000
- 50.000001 - 100.000000
- 100.000001 - 1883.000000

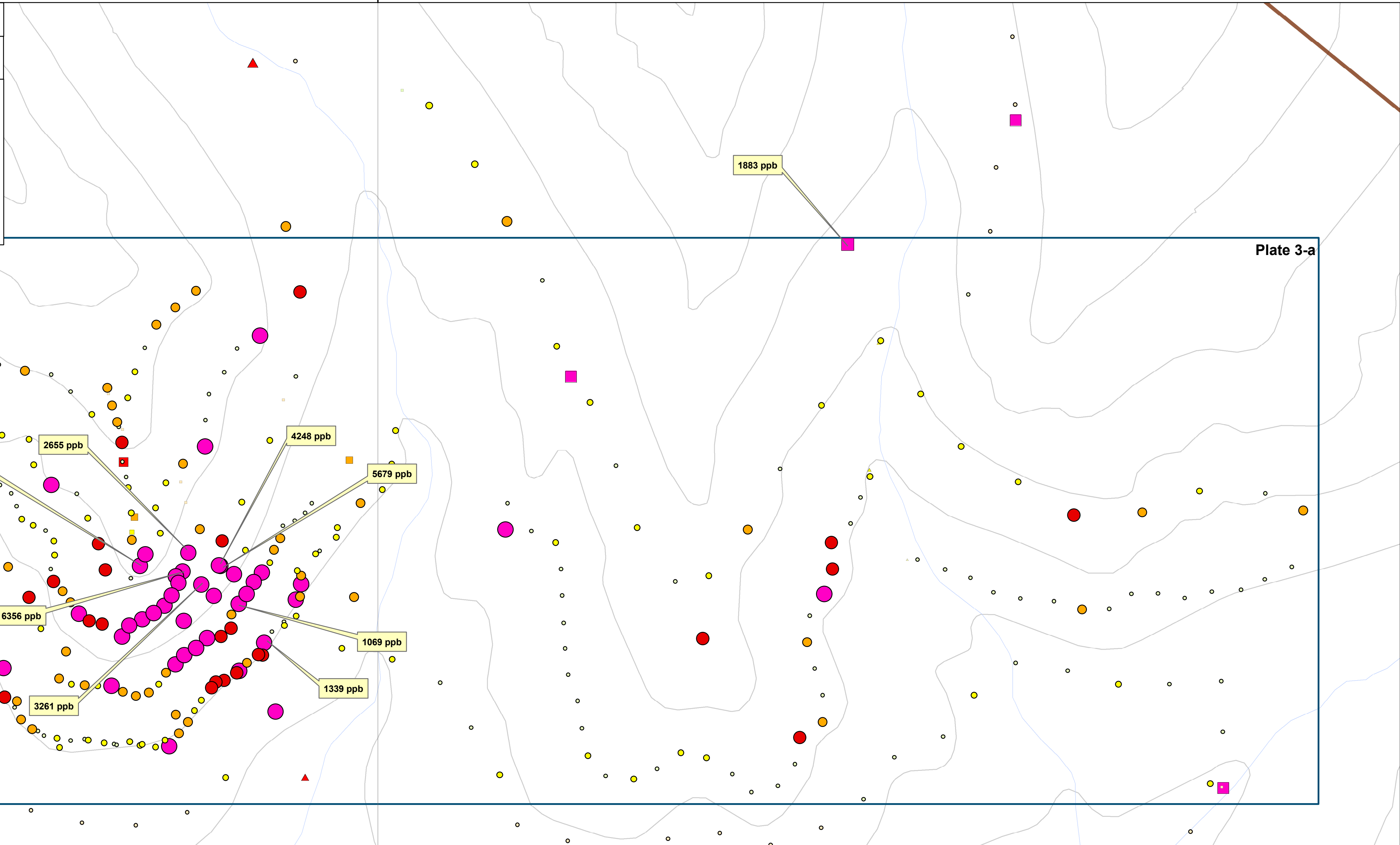
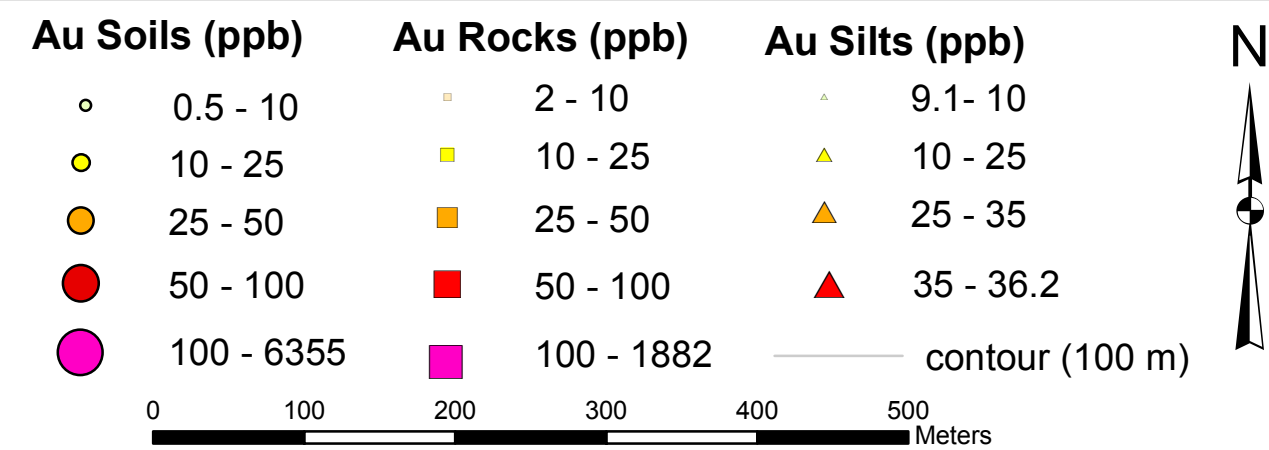
▭ X & REA boundary

▭ Insert A - See Plate 3-a

— contour (100 m)







380000

380000

**APPENDIX A**

**STATEMENT OF QUALIFICATIONS**

## STATEMENT OF QUALIFICATIONS

I, Robert D. Thomas, Jr, CPG., do hereby certify that:

1. I am currently Vice President of Exploration for Carlin Gold Corporation with an office at:  
  
320-800 West Pender Street,  
Vancouver, British Columbia, Canada  
V6C 2V6.
2. I graduated with a B.A. degree from Bates College, Lewiston, Maine, USA in 1969 and an M.A. degree in geology from Wesleyan University, Middletown, Connecticut, USA in 1974.
3. I directly supervised The Carlin-Constantine Joint Venture exploration programs at the X-REA property in 2011 and am an author of this report.
4. I have worked as a geologist or been engaged in geological studies more or less continuously for the past 39 years. My work experience has been in exploration for gold and base metal mineralization in North America and Central America for both major and junior mining companies.
5. I am a Certified Professional Geologist registered with the American Institute of Professional Geologists (CPG #10314).

Dated this 22nd Day of February, 2012.



\_\_\_\_\_  
Signature of Qualified Person

\_\_\_\_\_  
"Robert D. Thomas, Jr"

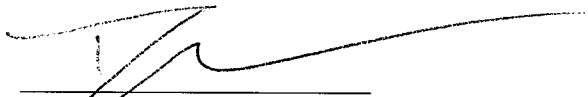
Print name of Qualified Person

## STATEMENT OF QUALIFICATIONS

I, Darwin Green, P.Geo., do hereby certify that:

1. I am currently Vice President of Exploration for Constantine Metal Resources Ltd. with an office at:  
320-800 West Pender Street,  
Vancouver, British Columbia, Canada  
V6C 2V6.
2. I graduated with a degree in Geological Sciences (B.Sc.) from the University of British Columbia in 1995. In addition, I was granted a M.Sc. degree in geology from Carleton University at Ottawa in 2001.
3. I directly supervised The Carlin-Constantine Joint Venture exploration programs at the X-REA property in 2011 and I am an author of this report.
4. I have worked as a geologist or been engaged in geological studies more or less continuously for the past 18 years. My work experience has been in exploration for gold and base metal mineralization in North America, South America and Central America for both major and junior mining companies.

Dated this 22nd Day of February, 2012.



Signature of Qualified Person

"Darwin Green"  
Print name of Qualified Person



**APPENDIX B**  
CLAIM DETAILS





















APPENDIX B: CLAIM DETAILS FOR X-REA PROPERTY

CLAIM	GRANT NUMBER	CLAIM OWNER	RECORDED DATE	EXPIRY DATE	NTS SHEET
X 424	YD122134	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 425	YD122135	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 426	YD122136	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 427	YD122137	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 428	YD122138	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 429	YD122139	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 430	YD122140	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 431	YD122141	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 432	YD122142	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 433	YD122143	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
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X 436	YD122146	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 437	YD122147	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 438	YD122148	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
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X 440	YD122150	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 441	YD122151	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 442	YD122152	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 443	YD122153	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 444	YD122154	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 445	YD122155	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 446	YD122156	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 447	YD122157	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 448	YD122158	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 449	YD122159	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 450	YD122160	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 451	YD122161	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 452	YD122162	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 453	YD122163	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 454	YD122164	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O05
X 143	YD72427	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 144	YD72428	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 163	YD72429	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 164	YD72430	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 165	YD72431	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 166	YD72432	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 167	YD72433	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 168	YD72434	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 169	YD72435	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 170	YD72436	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 171	YD72437	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 172	YD72438	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 173	YD72439	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 174	YD72440	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 175	YD72441	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 176	YD72442	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 177	YD72443	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 178	YD72444	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 179	YD72445	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 180	YD72446	Carlin Gold Corporation - 100%	14/12/2010	14/12/2013	105O06
X 455	YE27315	Carlin Gold Corporation - 100%	04/04/2011	04/04/2012	105O05
X 456	YE27316	Carlin Gold Corporation - 100%	04/04/2011	04/04/2012	105O05
X 457	YE27317	Carlin Gold Corporation - 100%	04/04/2011	04/04/2012	105O05
X 458	YE27318	Carlin Gold Corporation - 100%	04/04/2011	04/04/2012	105O05
X 459	YE27319	Carlin Gold Corporation - 100%	04/04/2011	04/04/2012	105O05
X 460	YE27320	Carlin Gold Corporation - 100%	04/04/2011	04/04/2012	105O05
X 461	YE27321	Carlin Gold Corporation - 100%	04/04/2011	04/04/2012	105O05
X 462	YE27322	Carlin Gold Corporation - 100%	04/04/2011	04/04/2012	105O05
X 463	YE27323	Carlin Gold Corporation - 100%	04/04/2011	04/04/2012	105O05
X 464	YE27324	Carlin Gold Corporation - 100%	04/04/2011	04/04/2012	105O05







## **APPENDIX C**

### **SAMPLE GPS AND SELECTED ASSAY DATA**

## APPENDIX C

## 2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture

(Refer to digital version for full list)

## Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
54599	ROCK	19/07/2011	380372	7027293	WHI11000696	1.4	239.5	336	6.3	0.1	0.8	2.5	11.9	0.1	3
54600	ROCK	19/07/2011	380047	7027845	WHI11000696	0.1	22.1	2	7.5	0.01	4.4	1.1	2.5	0.1	9
54601	ROCK	19/07/2011	379818	7027248	WHI11000696	1.4	35.6	2	41.8	0.01	52.2	7.3	4.3	0.3	113
54602	ROCK	19/07/2011	379110	7026990	WHI11000696	1.4	104.9	2	1.5	0.01	5.3	4.7	3.7	0.4	50
54605	ROCK	26/07/2011	386546	7030251	WHI11000903	0.5	7.4	9	33.2	0.3	51.1	13.3	1.1	0.1	137
54606	ROCK	26/07/2011	386553	7030266	WHI11000903	0.2	15	10	167.6	0.16	55.4	11.5	0.3	0.1	69
54629	ROCK	19/08/2011	386855	7029145	WHI11001273	0.9	21.9	3	6.2	1.34	14.2	45	1.2	0.4	107
54630	ROCK	20/08/2011	384649	7024410	WHI11001273	16.4	208.9	18	921.8	0.67	49.6	2	344.5	0.1	1828
54631	ROCK	20/08/2011	384675	7024399	WHI11001273	2.1	34.5	2	160.9	0.1	66.3	0.9	47.9	0.7	225
54632	ROCK	20/08/2011	384676	7024403	WHI11001273	5.5	48.3	2	196.4	0.8	127.6	1.9	57	0.7	2714
54643	ROCK	02/09/2011	379481	7027260	WHI11001582	0.6	21	4	25.4	0.28	43.5	4.4	2.7	0.1	177
54644	ROCK	02/09/2011	379508	7027191	WHI11001582	0.7	12.9	8	64.2	0.06	35.3	5	4.1	0.1	28
54645	ROCK	02/09/2011	379510	7027128	WHI11001582	2	5	93	7.4	0.07	1	8	6	0.1	2
54646	ROCK	02/09/2011	379620	7027090	WHI11001582	0.3	6.7	3	4.8	0.06	0.9	5.4	4.1	0.1	2
54647	ROCK	02/09/2011	379630	7027050	WHI11001582	0.8	4.1	2	23.9	0.05	29.1	2.8	5.4	0.1	91
54648	ROCK	02/09/2011	379508	7027131	WHI11001582	0.5	79	9	18	0.03	2	3.9	8.9	0.1	7
54649	ROCK	02/09/2011	379694	7026929	WHI11001582	0.2	54.8	31	44.1	0.09	45.8	4.5	4.1	0.1	176
54650	ROCK	02/09/2011	379945	7027132	WHI11001582	0.5	151.2	26	41.1	0.05	48.9	9.9	4.9	0.4	77
54762	ROCK	24/07/2011	380620	7028456	WHI11000903	0.3	11.7	2	79.8	0.01	49.3	13.5	0.1	0.2	76
54763	ROCK	24/07/2011	380626	7028442	WHI11000903	0.4	13.3	2	97.7	0.01	68.1	20	0.1	0.2	124
54764	ROCK	24/07/2011	380651	7028412	WHI11000903	0.2	50	14	126	0.01	28.4	4.6	0.1	1.3	121
54765	ROCK	24/07/2011	380609	7028546	WHI11000903	0.1	6510.4	257	40.1	0.01	24.1	8.4	12.1	0.2	91
54766	ROCK	24/07/2011	380755	7028648	WHI11000903	0.7	16.3	2	184.8	0.01	33.6	3.7	1.2	0.1	77
54767	ROCK	24/07/2011	380892	7028596	WHI11000903	0.8	9	9	53.3	0.02	64.6	14.7	1	0.2	137
54768	ROCK	24/07/2011	381231	7028022	WHI11000903	0.3	1.6	2	29.8	0.01	40.4	9.4	0.4	0.1	38
54769	ROCK	24/07/2011	381229	7027787	WHI11000903	3.7	1520.6	126	40.9	0.14	21.1	25	66.4	0.8	25
54770	ROCK	24/07/2011	380905	7027548	WHI11000903	1.3	3956.4	1883	59.8	0.02	10.7	5.3	77.4	0.1	18
54771	ROCK	25/07/2011	375192	7028276	WHI11000903	0.9	15.8	18	79.7	0.01	52.4	9.6	3.4	0.1	25
54772	ROCK	25/07/2011	375519	7028320	WHI11000903	1	16.4	12	6.5	0.05	3.2	6.9	3.5	0.1	8
54773	ROCK	25/07/2011	377000	7028616	WHI11000903	0.4	8.1	2	20.9	0.32	6.4	4.5	1.8	0.1	5
54774	ROCK	25/07/2011	377047	7028643	WHI11000903	1.5	0.5	13	30.6	0.01	11.9	6.2	1.4	0.1	11
54775	ROCK	25/07/2011	377018	7028741	WHI11000903	0.1	7.1	2	2.1	0.01	5.2	1.7	0.6	0.1	1
54776	ROCK	25/07/2011	377032	7028763	WHI11000903	0.7	3.4	6	12.6	0.01	8.9	5.1	2.1	0.1	16
54777	ROCK	26/07/2011	385638	7024573	WHI11000903	0.8	1196.3	310	58.3	0.26	3.5	3.3	36	0.1	10
54778	ROCK	26/07/2011	385490	7025596	WHI11000903	0.2	139.8	6	3.7	0.04	6	2.8	1.2	0.1	17
54779	ROCK	26/07/2011	385530	7025574	WHI11000903	0.4	38.2	2	5.8	0.01	2.1	2.2	0.7	0.1	9
54996	ROCK	24/07/2011	387182	7023734	WHI11000903	0.1	3.1	2	2.6	0.01	7.5	2	0.1	0.1	33
54997	ROCK	24/07/2011	387211	7023738	WHI11000903	0.1	1.6	2	6.3	0.29	20.3	2.1	0.1	0.1	553
54998	ROCK	24/07/2011	387906	7024265	WHI11000903	0.1	6.3	2	1.4	0.01	1.9	2.7	0.5	0.1	8
54999	ROCK	24/07/2011	387539	7024245	WHI11000903	0.1	5.3	2	6.7	0.02	9.2	7.5	0.2	0.1	47
55000	ROCK	24/07/2011	387549	7024242	WHI11000903	0.1	3.2	2	3.5	0.01	9.6	5.4	0.1	0.1	51
55001	ROCK	24/07/2011	387535	7024128	WHI11000903	0.1	124.1	2	9.4	0.04	15.1	29.3	0.4	0.1	82
55002	ROCK	24/07/2011	386992	7023663	WHI11000903	0.1	14.6	2	19.5	0.37	15.1	11.5	1.5	0.1	71
55032	ROCK	20/08/2011	389390	7028970	WHI11001504	0.2	7.2	2	6.7	0.57	13.8	0.7	2	0.1	95
55033	ROCK	20/08/2011	389403	7028614	WHI11001504	0.1	2.1	2	1.8	0.17	2.2	1.3	0.9	0.1	1
55034	ROCK	20/08/2011	389343	7028404	WHI11001504	0.1	3.1	2	3.6	0.38	1.4	1.3	0.5	0.1	1
55067	ROCK	16/07/2011	376113	7030656	WHI11000696	0.1	1.4	2	59.7	0.01	23.4	16.7	0.6	0.1	41
55068	ROCK	16/07/2011	376113	7030656	WHI11000696	0.1	4.8	2	12.6	0.01	17.4	7.9	5.7	0.1	41
55090	ROCK	25/07/2011	369643	7032769	WHI11000903	0.4	40.7	21	3.2	0.58	5.9	55.1	9.9	0.2	71
55091	ROCK	25/07/2011	369493	7032657	WHI11000903	0.1	4	2	30.3	0.01	24.8	4.1	0.2	0.1	46
55092	ROCK	25/07/2011	367699	7032180	WHI11000903	0.1	9.7	4	22.8	0.01	11.1	4.4	0.6	0.1	23
55093	ROCK	25/07/2011	367217	7032012	WHI11000903	0.1	3.3	2	27.8	0.1	20.8	8	0.4	0.1	49
55094	ROCK	25/07/2011	366883	7031745	WHI11000903	0.6	7.9	10	27.9	0.07	10.7	12.5	1.3	0.1	27
55095	ROCK	25/07/2011	366808	7031701	WHI11000903	0.2	5.9	5	32.5	0.05	15.1	13.4	0.7	0.1	33

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.



## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
55096	ROCK	26/07/2011	381629	7026500	WHI11000903	1.1	542.8	417	4.9	0.01	1.2	5.6	11.7	0.1	9
55097	ROCK	26/07/2011	381626	7026502	WHI11000903	0.3	33.1	7	48.2	0.01	68.5	1.6	0.7	0.4	119
55098	ROCK	26/07/2011	381243	7026206	WHI11000903	1.7	87.2	2	30.8	0.19	2.9	17.8	40	3.1	39
55099	ROCK	26/07/2011	380976	7025761	WHI11000903	1.4	19.7	2	19.6	0.3	16.6	25.8	5	0.1	39
55100	ROCK	26/07/2011	380897	7025667	WHI11000903	3.2	12.7	2	17.6	0.27	2.1	8.7	9.2	0.1	41
55101	ROCK	26/07/2011	380836	7025591	WHI11000903	0.3	3.4	5	23.7	0.07	10.4	11.5	1.4	0.2	13
55102	ROCK	26/07/2011	380833	7025609	WHI11000903	1.2	14.1	2	6.7	1.74	11.1	115.4	21	0.1	99
55103	ROCK	26/07/2011	380680	7025298	WHI11000903	0.1	5.7	2	13.7	0.07	32.3	5.2	1.5	0.1	257
55104	ROCK	26/07/2011	385135	7023918	WHI11000903	0.1	0.5	2	157.1	0.03	1.6	21.4	0.6	0.1	18
55105	ROCK	26/07/2011	385134	7023918	WHI11000903	5.3	60	10	129.5	2.29	57.1	314.6	25.1	1.2	933
55251	ROCK	19/07/2011	376538	7027151	WHI11000696	0.1	2.5	2	7.8	0.2	9.7	4.5	0.3	0.1	147
55252	ROCK	19/07/2011	375569	7028565	WHI11000696	2.7	228	2	88.5	3.24	9.7	1.2	119.1	0.1	128
55255	ROCK	25/07/2011	384833	7026951	WHI11000903	0.2	2.4	20	42.9	0.05	35.4	8.3	0.5	0.1	54
55265	ROCK	25/07/2011	390068	7027679	WHI11000903	1.3	15.9	10	6.9	2.91	2.1	5.2	4.5	0.2	2
55266	ROCK	25/07/2011	390227	7028365	WHI11000903	0.1	18.6	9	20.4	0.09	5.4	2.8	1.3	0.1	27
55535	ROCK	08/09/2011	387845	7024879	WHI11001689	0.8	448.4	14	62.6	0.46	7.5	22	11.3	0.4	19
55536	ROCK	08/09/2011	387828	7024945	WHI11001689	2	1044.3	16	32.1	0.72	6.9	23	8.1	0.3	17
55537	ROCK	08/09/2011	379531	7027022	WHI11001689	1.3	127.5	34	64.8	0.06	2.8	15.6	5.6	0.1	21
55538	ROCK	08/09/2011	379526	7026993	WHI11001689	1.5	112.7	13	45.9	0.15	16.8	26.3	10	0.1	21
55539	ROCK	10/09/2011	379728	7026722	WHI11001689	0.9	2628.4	4	34.1	0.01	20.7	29.3	2.2	0.1	138
55540	ROCK	10/09/2011	379727	7026723	WHI11001689	1.6	770.4	15	33.2	0.08	12.8	10.9	4.5	0.1	27
55543	ROCK	08/09/2011	373900	7030410	WHI11001689	1.5	35.2	9	46.8	0.8	78.6	6.5	12.9	0.2	646
1180274	SILT	16/07/2011	366871	7035087	VAN11003579	1.4	54.3	19.8	77.3	0.76	106.6	22.6	17.6	0.3	706
1180275	SILT	16/07/2011	366437	7034904	VAN11003579	3.4	27.7	24.9	60.4	2.39	51.8	22.5	8.3	0.4	376
1180276	SILT	16/07/2011	365882	7034585	VAN11003579	2.3	24.3	21	110.1	0.79	59	27	4.6	0.3	272
1180277	SILT	16/07/2011	365111	7034199	VAN11003579	1.8	40	21.4	109.5	0.77	139.1	18.2	4.4	0.2	603
1180281	SILT	19/07/2011	377688	7025583	VAN11003579	0.6	158.2	2.7	38	0.18	91.3	20.8	5.7	0.3	713
1180282	SILT	19/07/2011	377285	7025622	VAN11003579	0.9	127.2	7.9	61.6	0.17	141	14.7	8.9	0.3	969
1180283	SILT	18/07/2011	365556	7032081	VAN11003579	0.1	10.9	0.8	26.5	0.09	23.5	15.4	0.5	0.1	60
1180340	SILT	24/07/2011	388766	7029507	VAN11003684	4.8	26.4	10.7	105.9	1.51	126.7	9.6	9.9	1.9	707
1180341	SILT	25/07/2011	381368	7026282	VAN11003834	0.4	249	18	76.7	0.08	77.2	12	6	0.2	328
1180342	SILT	25/07/2011	381328	7025780	VAN11003834	2.7	577.7	7.1	373.3	0.84	426.5	10.2	30.8	2.5	3327
1180343	SILT	25/07/2011	382290	7024945	VAN11003834	0.7	42.9	4.2	42.1	0.37	137.2	15	4.4	0.3	890
1180428	SILT	16/07/2011	376636	7031844	VAN11003579	0.8	108.9	31.1	448.3	0.04	192.8	13.9	13.7	0.1	848
1180431	SILT	18/07/2011	370316	7033349	VAN11003579	1.1	67.6	20.6	51.5	0.2	39.2	11.9	2.7	0.2	177
1180432	SILT	18/07/2011	370042	7033222	VAN11003579	1.2	47.8	9.4	49.5	0.36	61.9	12.8	3.4	0.3	242
1180433	SILT	18/07/2011	369434	7033152	VAN11003579	1.5	24	10.1	61.7	0.5	61.7	10.5	3.8	0.6	291
1180434	SILT	18/07/2011	369086	7033066	VAN11003579	1.2	20.6	6.5	40.2	0.27	31.5	10.5	3	0.3	165
1180435	SILT	18/07/2011	368932	7033057	VAN11003579	0.9	64.1	5.3	51.2	0.3	62.6	10.7	9	1.6	534
1180436	SILT	18/07/2011	368364	7032812	VAN11003579	0.8	23.5	7.9	52.6	0.4	60.2	12.8	5.9	0.2	385
1180437	SILT	18/07/2011	368046	7032699	VAN11003579	0.9	48.3	9.6	55.6	0.31	154.1	15.5	6.1	0.2	515
1180438	SILT	18/07/2011	366668	7032228	VAN11003579	1.2	35.5	12.6	60.8	0.35	40	11.2	3.5	0.2	204
1180439	SILT	18/07/2011	366588	7032162	VAN11003579	1	27.5	10.4	68.6	0.37	64.2	10.9	3.3	0.2	239
1180440	SILT	19/07/2011	379759	7027898	VAN11003579	1.1	732.3	60.7	31.9	0.01	7.4	22.1	12	0.3	76
1180450	SILT	25/07/2011	379750	7026195	VAN11003684	0.9	1160.2	48.9	67.9	0.04	35.9	16.2	15.5	0.4	301
1180480	SILT	24/07/2011	385024	7028462	VAN11003684	0.2	44.2	4.5	57.6	0.07	193	21.8	4.6	0.2	472
1180481	SILT	24/07/2011	384999	7028174	VAN11003684	0.3	18.3	2.8	44.4	0.15	63.6	21.8	1.1	0.2	167
1180482	SILT	24/07/2011	385368	7027999	VAN11003684	0.2	17.1	2.4	31.4	0.07	83.4	20.7	1.3	0.1	192
1180483	SILT	24/07/2011	385562	7027712	VAN11003684	0.2	12.9	2.7	30.9	0.11	37.4	17.2	1	0.1	108
1180484	SILT	24/07/2011	385970	7027367	VAN11003834	0.2	18	3.5	38.9	0.1	58.5	17.7	0.9	0.1	138
1180485	SILT	24/07/2011	386210	7027145	VAN11003684	0.2	12.3	3	29	0.06	45.7	16.8	0.9	0.1	135
1180486	SILT	25/07/2011	387387	7027527	VAN11003834	1.2	55.4	32.9	198.8	0.37	188.8	22.3	3.1	0.2	485
1180487	SILT	25/07/2011	387847	7026527	VAN11003834	0.3	26.1	11.4	57.5	0.15	45.8	11.7	1.9	0.1	138
1180488	SILT	25/07/2011	388298	7026433	VAN11003834	0.8	46.8	19.3	80	0.33	64.6	11.6	3.5	0.1	164

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

## 2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture

(Refer to digital version for full list)

## Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag PPM	As PPM	Au PPB	Cu PPM	Hg PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1180489	SILT	25/07/2011	389709	7026382	VAN11003684	0.6	44.4	11.4	70.2	0.32	47	14	3.6	0.1	236
1180490	SILT	26/07/2011	385798	7023087	VAN11003684	0.4	15.8	1.7	49	0.35	172.5	9.1	4.1	1.5	1292
1180491	SILT	26/07/2011	385767	7023582	VAN11003684	0.8	11.1	3.3	42.7	0.22	125.8	12.6	2.7	0.5	2289
1180492	SILT	26/07/2011	385976	7023740	VAN11003684	0.5	18.9	1.1	51.2	0.29	90.6	43.6	8.9	0.4	498
1180493	SILT	26/07/2011	386273	7024070	VAN11003684	0.7	18.8	2.4	40.4	0.22	79.9	25.7	6	0.6	679
1180494	SILT	26/07/2011	386647	7024433	VAN11003684	0.6	10.2	2.8	28.3	0.78	39.1	13.7	2.6	0.4	154
1180495	SILT	26/07/2011	386807	7024651	VAN11003684	0.7	7.9	2.7	33.6	0.63	35	12.2	1.3	0.3	128
1180524	SILT	16/07/2011	368888	7033824	VAN11003579	1.3	25.8	6.9	61.5	0.38	114.3	14.7	6.3	0.6	679
1180525	SILT	16/07/2011	368210	7033504	VAN11003579	1.2	25	8.3	88.6	0.42	174.1	22	7.3	0.2	1499
1180533	SILT	24/07/2011	386478	7028745	VAN11003684	0	0	0	0	0	0	0	0	0	0
1180534	SILT	24/07/2011	386536	7028737	VAN11003684	1	279.9	43.3	89.5	0.32	109.8	21.5	25.6	0.4	364
1180535	SILT	24/07/2011	386833	7028271	VAN11003684	1.1	173.9	34.8	88.6	0.43	133.4	22.2	15.8	0.3	425
1180575	SILT	16/07/2011	374546	7032704	VAN11003579	2.3	39.1	14.3	43.7	0.37	29.6	14.4	3.6	0.3	117
1180576	SILT	16/07/2011	374660	7032612	VAN11003579	1.7	44.6	10.6	64.1	0.34	53.8	15.9	4.9	0.2	202
1180579	SILT	18/07/2011	371268	7032161	VAN11003579	3.3	41.1	16.1	82.3	1.21	77.4	14.1	11.3	0.6	572
1180580	SILT	18/07/2011	370552	7031761	VAN11003579	3	40.7	11.2	105.8	1.04	143.7	13.8	10.9	0.4	990
1180581	SILT	18/07/2011	371394	7030708	VAN11003579	3.6	27.8	9.2	108.4	1.01	82	12.1	6	0.4	534
1180582	SILT	18/07/2011	371863	7030528	VAN11003579	1.6	30.4	9.1	132.6	0.39	445.5	14.5	6.8	0.6	4513
1180583	SILT	19/07/2011	373162	7030817	VAN11003579	1.5	36.3	8.4	117.3	0.34	118.7	16.8	5.4	0.7	616
1180584	SILT	19/07/2011	374011	7030112	VAN11003707	1.4	28.3	5	105.2	0.45	167.6	13.9	6.2	0.5	558
1180585	SILT	19/07/2011	374561	7029636	VAN11003579	1.2	58.4	5.2	75.1	0.4	223.9	20.1	10.9	0.7	1366
1180596	SILT	25/07/2011	380965	7027358	VAN11004076	0.4	98.2	15.7	89.8	0.04	45.7	14.5	6.6	0.3	124
1180597	SILT	26/07/2011	384674	7025355	VAN11003834	0.5	56.6	11.6	29.2	0.52	21.8	15.5	1.6	0.1	68
1180598	SILT	26/07/2011	384724	7024771	VAN11003834	0.5	362.6	1.4	30.4	0.34	255.5	3.7	9.1	0.5	3946
1180637	SILT	16/07/2011	367440	7035084	VAN11003579	18.5	17.8	21.9	126.2	1.69	651.8	18.8	5.6	2.4	1873
1180638	SILT	16/07/2011	367517	7035226	VAN11003579	1	18.8	12.4	94.5	0.28	54.3	21	3	0.1	179
1180639	SILT	16/07/2011	367434	7035329	VAN11003579	0.4	17.2	8.1	42.3	0.12	49.3	12.4	1.6	0.1	109
1180640	SILT	16/07/2011	366761	7035534	VAN11003579	0	0	0	0	0	0	0	0	0	0
1180644	SILT	18/07/2011	375558	7032972	VAN11003579	1	53	8.1	243.6	0.36	808.5	9.3	7.4	3.5	1834
1180645	SILT	19/07/2011	372869	7030128	VAN11003579	1.2	38.6	6.8	125.4	0.27	230.8	13.3	7.3	0.9	1540
1180646	SILT	19/07/2011	373523	7029769	VAN11003579	1.3	38.9	5.7	99.8	0.41	698.7	12.6	8.8	0.8	5099
1180647	SILT	19/07/2011	374138	7029316	VAN11003579	0.9	62.1	5.4	81.2	0.3	180.8	15.8	13.8	0.7	1390
1180648	SILT	19/07/2011	374242	7028838	VAN11003579	3.5	50.9	8.1	175.3	0.69	335.7	16.5	13.6	0.9	3235
1180649	SILT	19/07/2011	374818	7028193	VAN11003579	1.1	112.6	9.6	95.4	0.18	92.3	14.3	18.4	0.3	632
1180650	SILT	19/07/2011	374840	7028018	VAN11003579	1.6	112	12	96.8	0.62	167.4	18.3	21.1	0.6	1589
1180770	SILT	08/09/2011	388509	7029206	WHI11001430	1	67.1	7.6	221.6	0.56	341	22.9	4.8	0.9	2095
1180771	SILT	08/09/2011	388714	7029243	WHI11001430	3.4	53.9	10.7	160.2	1.57	340.6	10.4	13.8	1.5	3102
1180772	SILT	08/09/2011	388937	7029159	WHI11001430	2.2	35.5	9.3	124.2	0.65	222.7	13.2	8.7	0.9	1777
1180773	SILT	08/09/2011	389014	7029073	WHI11001431	3.2	24.4	6.8	109.9	1.63	139.9	10.3	10	0.7	947
1180774	SILT	08/09/2011	389043	7028805	WHI11001430	0.5	48.8	1.3	57.3	1.36	85.9	10.8	4.7	1.2	295
1180775	SILT	08/09/2011	388958	7028653	WHI11001430	0.5	17.1	0.6	28.7	2.17	12	7.7	6.8	0.6	16
1180814	SILT	24/07/2011	380607	7028559	VAN11003684	0.4	125.2	26.2	22.3	0.02	9.7	14.1	4.3	0.4	71
1180829	SILT	19/08/2011	377210	7026634	VAN11004465	0.8	196	19.6	64.1	0.18	159	17.6	12.9	0.3	1901
1180830	SILT	19/08/2011	377496	7026676	VAN11004465	1.7	205.6	13.3	68.8	0.12	116.1	13.1	11.4	0.2	561
1180831	SILT	19/08/2011	374974	7030091	VAN11004465	0.2	21.2	4.4	15	0.09	18.6	5.7	5.8	0.1	237
1180916	SILT	09/09/2011	377399	7026458	WHI11001430	1	143.9	11.4	76.2	0.06	132.6	10.7	7.8	0.2	703
1180923	SILT	08/09/2011	380947	7027113	WHI11001430	1.2	798.8	10.2	111.6	0.02	19.8	5.7	16.2	0.1	98
1180924	SILT	08/09/2011	381020	7026940	WHI11001430	1.1	651.4	9.1	111.9	0.04	21.6	6.2	16.9	0.1	111
1180925	SILT	09/09/2011	377247	7026434	WHI11001430	0.9	155	11.2	64.6	0.2	153.2	18	10.7	0.3	1733
1180959	SILT	16/07/2011	376364	7030552	VAN11003579	0.9	503.1	58.3	361.8	0.07	189.6	21.7	45.6	0.4	701
1180960	SILT	16/07/2011	375620	7032178	VAN11003579	0.5	179.3	64	149	0.05	277.4	19.9	16.6	0.2	992
1180961	SILT	16/07/2011	375613	7032314	VAN11003579	0.7	495.9	26.9	245.7	0.07	270.6	18.9	13.5	0.3	720
1180962	SILT	16/07/2011	374864	7032467	VAN11003579	0.5	76.8	39.5	83.8	0.07	76.3	16.5	8.3	0.2	255
1180965	SILT	18/07/2011	370465	7032587	VAN11003579	0.8	29.7	5.1	59.4	0.4	125.4	10.9	5	0.3	900

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

## 2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture

(Refer to digital version for full list)

## Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1180966	SILT	18/07/2011	370249	7032538	VAN11003579	0.9	25.9	6.6	45.4	0.41	60.9	10.4	3.6	0.2	398
1180967	SILT	18/07/2011	370086	7032523	VAN11003579	0.7	19.4	10.3	47.8	0.32	45.5	7	2.4	0.2	245
1180968	SILT	18/07/2011	369856	7032487	VAN11003579	0.8	18.1	6.6	43.6	0.3	46.8	7.5	2.5	0.2	293
1180969	SILT	18/07/2011	369584	7032426	VAN11003579	1.2	19.6	22.5	40.2	0.42	35.9	11.2	2.4	0.3	189
1180970	SILT	19/07/2011	376027	7028522	VAN11003579	1.6	77	9.2	93.6	0.04	27.1	4.4	18.5	0.1	135
1180971	SILT	19/07/2011	375873	7028029	VAN11003579	1.9	167	12.7	104.5	0.68	255.2	17.6	30.2	1	3307
1180972	SILT	19/07/2011	376526	7027206	VAN11003579	2.8	269.8	39.3	225	1.35	389.5	83.2	38.4	1.2	5419
1180973	SILT	19/07/2011	376956	7027021	VAN11003579	1	236.2	23.1	95	0.29	244.1	22.6	20.4	0.3	2816
1180974	SILT	19/07/2011	377328	7027081	VAN11003579	0.5	89	10.8	45.4	0.04	64	8.8	5.4	0.3	123
1180975	SILT	19/07/2011	377400	7027086	VAN11003579	0.5	163	126.2	98.5	0.04	83.9	12.6	8.5	0.2	313
1180976	SILT	19/07/2011	377693	7027132	VAN11003579	2.4	83.4	8.2	89.8	0.05	51.6	11.6	3.7	0.2	277
1180989	SILT	25/07/2011	390010	7027556	VAN11003684	1.3	78.7	21.1	58.3	1.04	79.1	16.5	4.3	0.2	214
1180990	SILT	25/07/2011	389884	7027883	VAN11003684	2.1	118.7	36.9	102.2	1.44	187.3	31.6	7.3	0.4	325
1180991	SILT	25/07/2011	389885	7027891	VAN11003834	1.4	105.9	22.1	92.9	1.46	179.9	22	6.5	0.6	302
1180992	SILT	25/07/2011	389964	7028393	VAN11003834	1.2	74.8	8.9	142.4	2.32	455.2	14.3	14.5	2.2	2571
1180993	SILT	25/07/2011	390248	7028989	VAN11003834	2.3	43.7	6.6	129.5	1.56	210.5	10.3	12.6	0.6	1288
1180994	SILT	26/07/2011	390253	7028997	VAN11003684	0.7	45.1	6.1	64.4	0.36	114.8	11.9	4	0.5	501
1180995	SILT	25/07/2011	390332	7028953	VAN11003684	0.6	8.5	6.1	52.4	0.24	46.5	12.9	3	0.2	243
1180996	SILT	26/07/2011	391408	7028067	VAN11003684	0.7	16.3	8.9	86.4	0.37	59.5	12.8	3.6	0.3	499
1180997	SILT	26/07/2011	390921	7028710	VAN11003684	0.8	11.6	5.9	63.9	0.28	65.8	13.1	3.5	0.2	342
1180998	SILT	26/07/2011	390698	7028850	VAN11003684	0.9	19.1	8.5	86.9	0.33	85.9	17	3.8	0.2	392
1181130	SOIL	24/07/2011	385092	7028214	VAN11003684	0.3	13.6	0.5	15.5	0.03	19.2	19	0.9	0.1	63
1181131	SOIL	24/07/2011	385195	7028137	VAN11003684	0.9	76.1	12.6	47.7	0.04	15.9	24.3	14.1	0.2	67
1181132	SOIL	24/07/2011	385288	7028051	VAN11003684	0.1	12.9	0.5	17.4	0.01	13.4	18.7	0.8	0.1	40
1181133	SOIL	24/07/2011	385385	7027965	VAN11003684	0.2	6.2	1.3	16.8	0.03	14.6	6.6	0.7	0.1	29
1181134	SOIL	24/07/2011	385454	7027856	VAN11003684	0.2	21.8	0.8	24.2	0.03	23.7	20.4	1.6	0.1	75
1181135	SOIL	24/07/2011	385536	7027762	VAN11003684	0.1	24	2.3	30.6	0.02	31.6	24.6	1.1	0.1	97
1181136	SOIL	24/07/2011	385619	7027665	VAN11003684	0	0	0	0	0	0	0	0	0	0
1181137	SOIL	24/07/2011	385675	7027552	VAN11003684	0.2	5.4	0.5	16.2	0.03	12.4	10.9	0.4	0.1	28
1181138	SOIL	24/07/2011	385774	7027475	VAN11003684	0.3	16.1	0.5	23.1	0.02	30.3	25.8	0.6	0.1	95
1181139	SOIL	24/07/2011	385888	7027411	VAN11003684	0.2	8.1	37.6	15.8	0.01	4.7	7.8	1.3	0.1	23
1181140	SOIL	24/07/2011	386000	7027352	VAN11003684	0.1	10.3	1.6	20.4	0.02	24.3	13	0.7	0.1	74
1181141	SOIL	24/07/2011	386103	7027279	VAN11003684	0.2	26.5	5	34.7	0.02	26.2	17	3.3	0.1	98
1181142	SOIL	24/07/2011	386183	7027182	VAN11003684	0.2	33.4	3.6	27.2	0.02	20.1	15.6	5.4	0.1	73
1181143	SOIL	24/07/2011	386265	7027089	VAN11003684	0.2	10.1	0.5	25.8	0.05	15.6	12.7	1	0.1	43
1181144	SOIL	24/07/2011	386345	7026993	VAN11003684	0.2	12.8	1	17.7	0.02	9.2	12.4	1.8	0.1	44
1181145	SOIL	24/07/2011	386434	7026902	VAN11003684	0.7	15.1	2.7	21.1	0.03	8.1	10.6	1.3	0.1	42
1181146	SOIL	24/07/2011	386504	7026789	VAN11003684	0.2	9.7	0.6	9.6	0.01	5.8	14.7	0.7	0.1	25
1181147	SOIL	24/07/2011	387064	7027436	VAN11003707	0.2	20.3	1.9	16.9	0.03	17.2	17.8	1.6	0.1	67
1181148	SOIL	24/07/2011	387107	7027570	VAN11003707	0.3	17.6	2.3	27	0.03	16.9	11.7	1.2	0.1	110
1181149	SOIL	25/07/2011	387311	7027426	VAN11003684	0.4	13.9	5.3	31.2	0.1	28.6	16.5	1.2	0.1	90
1181150	SOIL	25/07/2011	387290	7027304	VAN11003684	0.2	19.3	4.5	48.1	0.06	27.8	20.2	1.5	0.1	85
1181151	SOIL	25/07/2011	387266	7027179	VAN11003684	0.1	9.5	3.2	19	0.03	8.4	6.1	1.1	0.1	32
1181152	SOIL	25/07/2011	387261	7027052	VAN11003684	0.1	20.3	3.1	42	0.03	34.1	18.8	1.3	0.1	108
1181153	SOIL	25/07/2011	387244	7026925	VAN11003684	0.1	23.1	3.5	32.5	0.02	26.7	14.7	2	0.1	95
1181154	SOIL	25/07/2011	387172	7026820	VAN11003684	0.1	17.4	7.7	17.9	0.01	13.9	17.8	1.1	0.1	56
1181155	SOIL	25/07/2011	387121	7026702	VAN11003684	0.1	23.4	3.4	15.6	0.04	12	16.5	2.1	0.1	56
1181156	SOIL	25/07/2011	387183	7026591	VAN11003684	0.2	16.8	0.5	12.6	0.03	12.4	21.9	1.1	0.2	56
1181157	SOIL	25/07/2011	387295	7026528	VAN11003684	0.1	7.3	1.9	8.6	0.02	12.7	15.9	0.8	0.1	62
1181158	SOIL	25/07/2011	387419	7026514	VAN11003684	0.1	8.9	0.5	10.1	0.01	12.2	17.2	0.7	0.1	61
1181159	SOIL	25/07/2011	387547	7026503	VAN11003684	0.1	9.9	0.8	11.3	0.03	13.5	15.7	0.9	0.1	71
1181160	SOIL	25/07/2011	387675	7026513	VAN11003684	0.2	14.4	1.6	12.6	0.01	19.7	15.1	2	0.2	107
1181161	SOIL	25/07/2011	387802	7026500	VAN11003684	0.1	8.1	0.5	7.9	0.01	11	11.5	1.1	0.1	64
1181162	SOIL	25/07/2011	387930	7026459	VAN11003684	0.1	8.9	0.5	11.3	0.03	8.3	8.8	1	0.2	38

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

## 2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture

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## Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1181163	SOIL	25/07/2011	388051	7026421	VAN11003684	0.1	20.3	0.5	22.9	0.03	19.6	11.3	2.2	0.1	80
1181164	SOIL	25/07/2011	388181	7026430	VAN11003684	0.1	3.5	0.5	8.5	0.02	6.7	8.2	0.3	0.1	27
1181165	SOIL	25/07/2011	388314	7026431	VAN11003684	0.5	46.6	21.9	71.6	0.27	41	14.6	5.7	0.2	106
1181166	SOIL	25/07/2011	388432	7026397	VAN11003684	0.2	20	0.8	32.5	0.02	18.8	20.6	2.4	0.1	73
1181167	SOIL	25/07/2011	388458	7026273	VAN11003684	0.1	13.2	0.5	11.9	0.01	11.3	11.5	1.4	0.2	50
1181168	SOIL	25/07/2011	388585	7026260	VAN11003684	0.1	17.4	0.5	19.3	0.03	15.8	11.9	1.4	0.1	77
1181169	SOIL	25/07/2011	388709	7026289	VAN11003684	0.2	8.9	0.7	11.4	0.02	10.2	8.5	1	0.1	41
1181170	SOIL	25/07/2011	388837	7026291	VAN11003684	0.7	17.8	8.7	58	0.19	34.3	11.2	1.4	0.2	122
1181171	SOIL	25/07/2011	388973	7026312	VAN11003684	1.2	22.5	18.1	235.4	0.3	50.3	14.5	2.3	0.1	178
1181172	SOIL	25/07/2011	389104	7026326	VAN11003684	0.7	15.2	4.7	69	0.12	24.2	8.4	1.5	0.2	120
1181173	SOIL	25/07/2011	389232	7026273	VAN11003684	0.2	21.6	1.8	29.8	0.04	21.9	13.4	2.4	0.2	141
1181174	SOIL	25/07/2011	389383	7026259	VAN11003684	0.3	3.8	1.8	11.1	0.03	3.7	4	0.4	0.1	23
1181175	SOIL	25/07/2011	389541	7026258	VAN11003684	0.1	22.7	5.3	36.4	0.08	29.8	11.4	2.6	0.2	136
1181176	SOIL	25/07/2011	389673	7026374	VAN11003684	0.5	27.7	2.7	23.8	0.02	15.1	9.7	2.4	0.1	90
1181177	SOIL	26/07/2011	385492	7023005	VAN11003684	0.1	19	0.6	14.2	0.03	16.2	9	2.4	0.3	81
1181178	SOIL	26/07/2011	385624	7023024	VAN11003684	0.6	12.7	1.8	40.2	0.17	43.4	12.5	3.2	0.4	208
1181179	SOIL	26/07/2011	385805	7023106	VAN11003684	0.2	17.1	2.1	19.9	0.1	42.8	8	4.8	1	295
1181180	SOIL	26/07/2011	385815	7023222	VAN11003684	0.4	13.3	3.2	17	0.03	19.4	10.9	2.1	0.2	104
1181181	SOIL	26/07/2011	385740	7023323	VAN11003684	0.2	16.3	1.9	10.5	0.01	18.3	14.9	1.9	0.3	116
1181182	SOIL	26/07/2011	385719	7023450	VAN11003684	0.2	8.9	1.3	4.6	0.04	7.4	10.8	0.6	0.2	37
1181183	SOIL	26/07/2011	385759	7023572	VAN11003684	0.7	5.6	7.4	46.4	0.16	19.6	9.6	0.9	0.1	157
1181184	SOIL	26/07/2011	385825	7023656	VAN11003684	1.1	57.4	1.3	110	0.37	149.3	35.2	9	0.4	7119
1181185	SOIL	26/07/2011	385909	7023722	VAN11003684	0.3	5.8	2.5	29.9	0.02	22.9	6.2	0.9	0.1	48
1181186	SOIL	26/07/2011	386004	7023782	VAN11003684	0.6	46.8	3.5	76.6	0.55	170.5	12.1	12.9	1.2	707
1181187	SOIL	26/07/2011	386086	7023846	VAN11003684	1.2	24	2.4	30.4	0.31	47	24.5	4.8	0.4	379
1181188	SOIL	26/07/2011	386162	7023916	VAN11003684	0.6	7.4	4.2	32.2	0.25	95.5	45.4	2.3	0.8	780
1181189	SOIL	26/07/2011	386228	7023994	VAN11003684	0.7	10.3	3.3	28.5	0.39	124.8	41.8	4	0.5	1887
1181190	SOIL	26/07/2011	386281	7024101	VAN11003684	1	18.4	5.6	47.7	0.54	259.7	29.9	5.5	0.7	2664
1181191	SOIL	26/07/2011	386308	7024199	VAN11003684	0.3	4.8	1.5	7.2	0.01	10.3	13.7	1.5	0.3	77
1181192	SOIL	26/07/2011	386380	7024279	VAN11003684	1.3	19.7	4.9	45.7	0.22	88.7	17.9	7.4	0.6	667
1181193	SOIL	26/07/2011	386538	7024353	VAN11003684	0.9	10.1	1.7	21.9	0.28	45.9	14.1	5.3	0.4	331
1181194	SOIL	26/07/2011	386637	7024428	VAN11003684	0.5	12.9	8	26.2	0.46	27	11	3.5	0.4	155
1181195	SOIL	26/07/2011	386677	7024556	VAN11003684	0.5	8.5	6.2	12.2	0.23	14.2	9.2	1.2	0.2	49
1181196	SOIL	26/07/2011	386891	7024684	VAN11003684	0.5	10.4	4.3	20.5	0.34	20.7	14.3	1.2	0.2	91
1181197	SOIL	26/07/2011	387021	7024708	VAN11003684	0.1	1.1	2.9	4.1	0.01	2.3	0.8	0.1	0.1	10
1181198	SOIL	26/07/2011	387135	7024782	VAN11003684	0.4	26	1.1	11.8	0.27	10.5	7.1	2.3	0.1	49
1181201	SOIL	16/07/2011	365837	7034540	VAN11003579	1.5	24.2	18.3	68.6	0.33	36.1	24.1	4.2	0.3	181
1181202	SOIL	16/07/2011	365727	7034433	VAN11003579	3.4	15.3	15.3	61.5	0.38	29.9	22.5	4.5	0.2	123
1181203	SOIL	16/07/2011	365595	7034357	VAN11003579	0.9	25.1	13.7	61.7	0.15	32.7	16.6	3.8	0.2	148
1181204	SOIL	16/07/2011	365442	7034334	VAN11003579	0.4	6	0.9	11	0.03	4.7	5.1	0.8	0.1	25
1181205	SOIL	16/07/2011	365329	7034235	VAN11003579	0.8	30.4	7.8	31.4	0.09	18.7	10.8	2.6	0.2	98
1181206	SOIL	16/07/2011	365173	7034194	VAN11003579	0.3	22.6	9.3	61.6	0.12	32.9	12.9	3.7	0.1	157
1181207	SOIL	16/07/2011	365025	7034218	VAN11003579	0.3	16.4	4.2	31.8	0.02	13.4	14.1	2.5	0.1	73
1181208	SOIL	16/07/2011	364877	7034178	VAN11003579	1.5	11.1	8.4	68.7	0.17	19.4	11.3	2.3	0.1	69
1181209	SOIL	16/07/2011	364754	7034076	VAN11003579	0.5	32.4	7.6	56	0.09	24.8	18.5	4.1	0.2	101
1181210	SOIL	16/07/2011	364637	7033965	VAN11003579	0.2	15.3	1.8	19.5	0.02	16.3	16.1	1.7	0.2	80
1181211	SOIL	16/07/2011	364683	7033816	VAN11003579	0.3	8.5	1.9	17.2	0.01	18	8.6	1.2	0.1	79
1181212	SOIL	16/07/2011	364806	7033669	VAN11003579	0.5	11.3	2.1	29	0.02	23.2	14.9	1.4	0.2	91
1181213	SOIL	16/07/2011	364940	7033609	VAN11003579	0.3	29.9	4.6	35.9	0.01	17.9	14.4	3.4	0.1	96
1181214	SOIL	16/07/2011	365126	7033573	VAN11003579	1.3	8.4	2.3	31	0.03	8.2	6.7	1.2	0.1	37
1181215	SOIL	16/07/2011	365269	7033516	VAN11003579	0.4	35.7	5.5	45.9	0.03	22	17.2	3.9	0.1	108
1181216	SOIL	16/07/2011	365415	7033474	VAN11003579	0.4	8.7	0.9	20.7	0.02	9.4	9.2	1.4	0.1	46
1181217	SOIL	16/07/2011	365566	7033441	VAN11003579	0.4	18.1	1.9	67.5	0.04	46.1	11.3	2.8	0.1	136
1181219	SOIL	16/07/2011	365970	7033415	VAN11003579	1.5	53.4	7.8	56.8	0.07	33.4	22.3	5	0.2	143

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1181220	SOIL	16/07/2011	366208	7033391	VAN11003579	0.5	6.4	2.3	23.7	0.04	9.5	8.7	1.3	0.1	54
1181221	SOIL	16/07/2011	366340	7033471	VAN11003579	0.5	13.1	1.8	32.9	0.03	7.8	5.1	2	0.1	36
1181245	SOIL	18/07/2011	364243	7033329	VAN11003579	1.2	31.8	11.1	59.9	0.3	66.4	11.1	4.6	0.2	250
1181246	SOIL	18/07/2011	364315	7033169	VAN11003579	0.8	27.1	8.7	53.9	0.26	49.7	7.8	3.3	0.1	124
1181247	SOIL	18/07/2011	364444	7032985	VAN11003579	0.1	4.7	1.7	4.9	0.05	2.8	1.9	0.7	0.1	8
1181248	SOIL	18/07/2011	364731	7032808	VAN11003579	1.4	24.4	10	60.2	0.37	46.2	12.2	2.8	0.2	147
1181249	SOIL	18/07/2011	364814	7032747	VAN11003579	1	21.7	11.1	51.1	0.35	39.3	11.2	2.8	0.2	113
1181251	SOIL	18/07/2011	365055	7032425	VAN11003579	0.3	16.7	6.2	22.3	0.05	10.9	6.2	4.1	0.1	54
1181252	SOIL	18/07/2011	365172	7032313	VAN11003579	0.4	23.3	3.6	23.3	0.05	11.5	15.6	2	0.1	50
1181253	SOIL	18/07/2011	365292	7032213	VAN11003579	0.9	22.2	2.5	11.8	0.04	12.2	13	2.1	0.2	72
1181254	SOIL	18/07/2011	365420	7032147	VAN11003579	0.3	25.9	19.4	51.1	0.03	16.5	15.1	2.6	0.2	91
1181255	SOIL	18/07/2011	365566	7032093	VAN11003579	1.3	11.9	5.2	172.5	0.19	39.3	12.4	1.5	0.1	58
1181256	SOIL	18/07/2011	365724	7032076	VAN11003579	0.5	24.7	2	16.6	0.02	13.4	12.5	2.7	0.1	69
1181257	SOIL	18/07/2011	365876	7032057	VAN11003579	0.6	23.8	6.9	49	0.21	22	11.6	3.6	0.2	109
1181258	SOIL	18/07/2011	366021	7032014	VAN11003579	2	26.3	10.8	106.4	0.38	29.2	11.4	2.2	0.2	86
1181259	SOIL	18/07/2011	366298	7031832	VAN11003579	1.2	22	7.5	50.1	0.32	28.6	10.3	4.2	0.2	111
1181260	SOIL	18/07/2011	366138	7031930	VAN11003579	0.5	44.6	13.4	43	0.04	23.8	17.2	4.5	0.2	121
1181261	SOIL	19/07/2011	378060	7025551	VAN11003707	0.4	15.1	1.2	15.3	0.01	16.4	10.8	2	0.3	93
1181262	SOIL	19/07/2011	377923	7025580	VAN11003707	3.4	6.1	2.5	57.8	0.35	15.1	30	1.8	0.1	78
1181263	SOIL	19/07/2011	377783	7025570	VAN11003707	0.1	23.2	2.6	31.5	0.04	12.7	18	2.3	0.1	62
1181264	SOIL	19/07/2011	377643	7025602	VAN11003707	0.1	4.4	2.8	10.5	0.03	2.5	0.5	0.3	0.1	32
1181265	SOIL	19/07/2011	377505	7025566	VAN11003707	1	54.9	2.9	116.4	0.24	344.8	16.6	24.1	4.1	1887
1181266	SOIL	19/07/2011	377368	7025615	VAN11003707	0.5	4	3.1	26.3	0.11	33	2.7	2.1	0.1	86
1181267	SOIL	19/07/2011	377224	7025636	VAN11003707	1.2	16.5	5.7	48.3	0.32	53.9	10.7	4.4	0.2	364
1181268	SOIL	19/07/2011	377082	7025643	VAN11003707	1	56	5.3	60.9	0.34	118.1	14	7.9	0.3	1410
1181270	SOIL	19/07/2011	376776	7025781	VAN11003707	0.8	53.7	5.9	62.7	0.19	60.3	29.4	6.7	0.3	468
1181271	SOIL	19/07/2011	376665	7025869	VAN11003707	0.2	28.5	5	36.1	0.03	40.9	21.1	4.9	0.2	256
1181272	SOIL	19/07/2011	376552	7025936	VAN11003707	4.6	29.1	21.3	265.3	0.35	111.9	43.4	8.4	0.6	658
1181273	SOIL	19/07/2011	376406	7025947	VAN11003707	1.5	271.1	14.1	182.9	0.24	135.5	55.4	13.8	0.4	778
1181274	SOIL	19/07/2011	376263	7025974	VAN11003707	1.3	169.5	14	203.1	0.16	172.6	84.8	14.6	0.4	1278
1181275	SOIL	19/07/2011	376122	7025989	VAN11003707	1.1	70.6	4.1	54.2	0.08	58.6	32	6.8	0.2	310
1181276	SOIL	19/07/2011	376033	7026092	VAN11003707	0.6	42.7	3.1	38.3	0.32	144.6	116.2	10.7	0.5	685
1181277	SOIL	19/07/2011	375906	7026145	VAN11003707	0.8	47	2.1	91.4	0.52	174.6	138.9	22.1	1.3	1302
1181278	SOIL	19/07/2011	375745	7026131	VAN11003707	1.2	11.4	4.3	54.7	0.18	63.6	18.9	4.1	0.1	271
1181279	SOIL	19/07/2011	375618	7026060	VAN11003707	0.7	12.9	3.6	26.9	0.1	23.6	22.5	2.5	0.2	125
1181301	SOIL	09/09/2011	376486	7026248	WHI11001430	0.2	3.8	2.5	13.6	0.01	15.7	12.1	1.2	0.2	131
1181302	SOIL	10/09/2011	364517	7035549	WHI11001430	4.7	56.2	11.6	16.7	0.14	11	68.1	11.9	0.4	48
1181303	SOIL	10/09/2011	364549	7035451	WHI11001430	7.2	40.9	3.9	14.7	0.17	7.5	92.9	17.5	0.9	29
1181304	SOIL	10/09/2011	364557	7035642	WHI11001430	1.7	15.9	4.1	8.7	0.36	2.9	23.4	7.8	0.2	10
1181305	SOIL	10/09/2011	364528	7035748	WHI11001430	0.4	10.8	1.5	16.6	0.02	10.9	16.3	2.3	0.1	65
1181306	SOIL	10/09/2011	364535	7035852	WHI11001430	1.4	21.2	3.1	16.7	0.1	10.8	26.9	2.9	0.2	58
1181307	SOIL	10/09/2011	364568	7035949	WHI11001430	8.5	24.8	16.7	28.9	1.8	10.4	108.2	9.6	0.6	42
1181308	SOIL	10/09/2011	364562	7036053	WHI11001430	1.6	32.9	5.4	45.6	0.15	18.6	54.1	6.8	0.3	79
1181309	SOIL	10/09/2011	364582	7036156	WHI11001430	0.4	9.9	2.1	11.8	0.04	5.3	13.6	2.4	0.1	26
1181310	SOIL	10/09/2011	364605	7036257	WHI11001430	0.9	24.4	3.4	54.4	0.03	29.2	19.2	2.5	0.1	102
1181311	SOIL	10/09/2011	364594	7036357	WHI11001430	0.2	6.3	3.7	10.7	0.02	4.1	10.5	1.4	0.1	21
1181312	SOIL	10/09/2011	364619	7036457	WHI11001430	0.6	6.4	0.7	15.7	0.04	7.9	9.9	1.3	0.1	31
1181313	SOIL	10/09/2011	364602	7036561	WHI11001430	2.1	11.1	1.2	23.4	0.06	8.7	17.9	1.9	0.1	43
1181314	SOIL	10/09/2011	364592	7036661	WHI11001430	0.4	12.3	1	16.7	0.02	10.4	10.6	1.5	0.1	54
1181315	SOIL	10/09/2011	364657	7036741	WHI11001430	0.8	4.9	1.3	19.4	0.05	5.9	6.4	1	0.1	30
1181316	SOIL	10/09/2011	364744	7036800	WHI11001430	0.9	20.4	7.2	50.5	0.2	27.1	19.9	4.1	0.2	96
1181317	SOIL	10/09/2011	364837	7036845	WHI11001430	0.9	16.7	17	53.5	0.27	26.3	18	3.8	0.1	90
1181318	SOIL	10/09/2011	364938	7036848	WHI11001430	1.6	9.8	7.5	30.3	0.19	13.6	12.2	1.7	0.2	44
1181319	SOIL	10/09/2011	365041	7036867	WHI11001430	0.3	22.1	5.3	38.7	0.04	18	16.5	2.5	0.1	78

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1181320	SOIL	10/09/2011	365135	7036937	WHI11001430	0.3	4.5	5.7	24.7	0.08	14.8	5	0.7	0.1	43
1181321	SOIL	10/09/2011	365212	7037007	WHI11001430	0.1	12.1	3.5	33.3	0.05	19.4	11	1.5	0.1	68
1181322	SOIL	10/09/2011	365310	7037039	WHI11001430	1	14.5	7	34.3	0.19	21.3	11.4	2.5	0.1	82
1181323	SOIL	10/09/2011	365372	7037128	WHI11001430	0.5	17.4	8.6	46.2	0.1	25.1	13.8	2.2	0.1	91
1181324	SOIL	10/09/2011	365317	7037218	WHI11001430	0.3	15	9.8	51.3	0.12	34.5	9.3	1.9	0.1	128
1181325	SOIL	10/09/2011	365321	7037319	WHI11001430	0.4	13.3	11.2	60.6	0.12	36.3	11.9	1.9	0.1	98
1181326	SOIL	10/09/2011	364668	7037165	WHI11001430	1.2	17.1	12.2	33.4	0.27	15.3	17.5	2.6	0.2	61
1181327	SOIL	10/09/2011	364589	7037095	WHI11001430	0.3	2.7	1.6	19	0.05	4.9	6.6	0.4	0.1	12
1181371	SILT	19/08/2011	381588	7026443	VAN11004465	0.1	2218.5	2.3	4.6	0.03	16.8	0.8	0.6	0.1	36
1181414	SOIL	18/07/2011	370521	7032601	VAN11003579	1.2	39.6	9.5	41.6	0.55	60.1	13	4.5	0.4	504
1181415	SOIL	18/07/2011	370379	7032575	VAN11003579	1.5	27.3	8.2	62.2	0.33	70.1	11.8	2.9	0.3	390
1181416	SOIL	18/07/2011	370206	7032535	VAN11003579	1	24.3	7.4	35.2	0.31	41.2	9.6	2.1	0.2	176
1181417	SOIL	18/07/2011	370022	7032507	VAN11003579	1.2	24.3	7.8	25.4	0.4	23.6	12.2	1.9	0.2	121
1181418	SOIL	18/07/2011	369706	7032454	VAN11003579	0.7	22.3	9.3	52.8	0.28	30	10	6.5	0.2	139
1181419	SOIL	18/07/2011	369526	7032425	VAN11003579	1.4	37.2	11.3	31.6	0.4	21.9	11	2.2	0.3	97
1181420	SOIL	18/07/2011	369382	7032405	VAN11003579	1.5	21	8.5	51.3	0.36	35.4	8.3	2.5	0.2	136
1181421	SOIL	18/07/2011	369232	7032395	VAN11003579	0.3	28.9	3.6	18.6	0.04	11.3	10.9	2.4	0.2	62
1181422	SOIL	18/07/2011	369093	7032355	VAN11003579	0.6	37.6	6.5	40	0.06	21.2	34.7	7.4	0.2	124
1181423	SOIL	18/07/2011	368944	7032333	VAN11003579	0.8	41	6.1	35.7	0.06	20.9	17.9	5.5	0.2	115
1181424	SOIL	18/07/2011	368808	7032289	VAN11003579	1	59.8	7.2	36.2	0.08	24.7	21	6.5	0.2	134
1181425	SOIL	18/07/2011	368669	7032237	VAN11003579	0.1	32.3	5.4	18.7	0.02	15.2	12.1	3.1	0.2	83
1181426	SOIL	18/07/2011	368539	7032193	VAN11003579	1.2	20.9	1	17.4	0.07	8	10.7	1.7	0.1	45
1181427	SOIL	18/07/2011	368415	7032127	VAN11003579	0.9	29.8	6.7	17.8	0.06	12.9	13.9	2.4	0.2	65
1181428	SOIL	18/07/2011	368304	7032042	VAN11003579	0.7	50.1	3.9	25.7	0.04	17.2	19.5	3.8	0.2	100
1181429	SOIL	18/07/2011	368174	7031982	VAN11003579	0.5	51.3	6.5	25.1	0.08	15.5	16.6	4	0.2	84
1181430	SOIL	18/07/2011	367909	7031928	VAN11003579	0.2	0.5	0.8	7	0.03	3.4	1.2	0.1	0.1	7
1181431	SOIL	18/07/2011	367774	7031880	VAN11003579	0.8	26.7	1.2	11.5	0.03	12.7	16.3	2.1	0.2	71
1181432	SOIL	18/07/2011	367634	7031855	VAN11003579	1.2	16.7	12.5	11.3	0.07	11.5	15	1.7	0.2	68
1181433	SOIL	18/07/2011	367493	7031864	VAN11003579	0.5	27.4	3.4	21.6	0.06	16.4	15	2.7	0.3	96
1181434	SOIL	18/07/2011	367351	7031848	VAN11003579	0.4	21.2	5.9	46.5	0.18	23.7	10.3	3.5	0.2	125
1181435	SOIL	18/07/2011	367213	7031805	VAN11003579	0.7	15.3	1.4	7.6	0.03	7.8	13.4	1.2	0.2	46
1181436	SOIL	18/07/2011	367114	7031698	VAN11003579	0.7	58.3	4.7	39.9	0.12	41.9	24.9	5.4	0.4	249
1181437	SOIL	18/07/2011	367060	7031593	VAN11003579	0.6	53.3	4.4	41.7	0.07	39.2	23.5	4.7	0.3	254
1181438	SOIL	18/07/2011	367079	7031462	VAN11003579	1.4	27.1	1.8	11.2	0.04	14	23.3	2.2	0.2	81
1181440	SOIL	19/07/2011	375199	7028703	VAN11003579	9.9	31.1	6.6	32.2	0.24	17.7	18.7	9.6	1.1	80
1181441	SOIL	19/07/2011	375314	7028635	VAN11003579	15.9	183.4	8.8	101	1.36	39.6	23.9	54.4	2.6	208
1181442	SOIL	19/07/2011	375450	7028602	VAN11003579	15.5	58.1	8.8	115.9	0.73	11.6	21.4	37.8	3.7	53
1181443	SOIL	19/07/2011	375580	7028561	VAN11003579	15.9	59.5	6.9	154.4	0.31	20.2	20.3	17.5	2.2	96
1181444	SOIL	19/07/2011	375690	7028556	VAN11003579	0.7	71.3	4.9	22	0.06	28.7	17.8	4.4	0.2	208
1181445	SOIL	19/07/2011	375824	7028567	VAN11003579	0.9	72.2	966.9	25.4	0.07	21.8	19.5	5.7	0.2	108
1181446	SOIL	19/07/2011	375946	7028572	VAN11003579	0.6	79.6	4.9	30	0.04	32.4	25.9	8.9	0.3	166
1181447	SOIL	19/07/2011	376067	7028506	VAN11003579	1	74.8	8	33	0.17	21.8	20.1	8.3	0.3	117
1181448	SOIL	19/07/2011	376031	7028376	VAN11003579	3.1	107.6	8.6	25.3	0.31	9.4	87.7	40.2	0.6	45
1181449	SOIL	19/07/2011	375928	7028296	VAN11003579	0.6	62.7	3.7	36.3	0.06	48.6	29.5	10.2	0.3	220
1181450	SOIL	19/07/2011	375839	7028197	VAN11003579	1.1	106	8.1	70.1	0.16	110.6	21.9	19.5	0.7	464
1181456	SOIL	18/07/2011	375654	7034472	VAN11003707	0.9	44.8	14.1	84.9	0.1	20.4	21.8	5	0.1	95
1181457	SOIL	18/07/2011	375498	7034476	VAN11003707	1.1	9.5	5.1	30.3	0.08	13.9	6.9	1.2	0.1	55
1181458	SOIL	18/07/2011	375356	7034477	VAN11003707	1.3	41.2	12.7	73.2	0.12	47.9	13.7	6.1	0.2	193
1181459	SOIL	18/07/2011	375194	7034477	VAN11003707	0.4	40.5	4.6	34.1	0.03	19.8	16.1	4.5	0.2	95
1181469	SOIL	18/07/2011	374465	7033505	VAN11003579	1.1	24.1	6	52.2	0.08	18.8	15.9	1.6	0.1	74
1181470	SOIL	18/07/2011	374441	7033365	VAN11003579	0.1	43.1	5.8	26.4	0.02	9.4	12.5	4.1	0.1	57
1181471	SOIL	18/07/2011	374493	7033235	VAN11003579	0.4	54	3.1	31.4	0.04	22	21.6	3.9	0.2	110
1181473	SOIL	18/07/2011	374661	7033005	VAN11003579	0.4	36.1	2	9.8	0.01	8.5	9	2.9	0.1	28
1181474	SOIL	18/07/2011	374768	7032899	VAN11003579	0.2	19.9	4.4	18	0.04	9.6	8.1	2.5	0.2	44

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1181476	SOIL	18/07/2011	375071	7032988	VAN11003579	0.7	96	19.7	42.8	0.07	38.8	10.5	6.4	0.2	157
1181478	SOIL	18/07/2011	375353	7033000	VAN11003579	0.4	68.7	5.6	31.3	0.02	16.8	21.8	7.4	0.1	82
1181479	SOIL	18/07/2011	375496	7032987	VAN11003579	1.6	72.7	7.6	41.4	0.13	22.8	24.8	13	0.6	93
1181480	SOIL	18/07/2011	375626	7032936	VAN11003579	0.4	47.6	3.4	32.1	0.02	16.3	18.4	7.6	0.3	77
1181481	SOIL	18/07/2011	375774	7032861	VAN11003579	0.4	62.1	7	38.8	0.03	24.4	18.4	9.6	0.1	95
1181482	SOIL	18/07/2011	375907	7032815	VAN11003707	0.3	63.1	8	32.1	0.05	19.9	18.1	7.9	0.1	77
1181483	SOIL	19/07/2011	372318	7030014	VAN11003579	0.5	9.3	2	11	0.03	13.4	9.4	1.3	0.2	102
1181484	SOIL	19/07/2011	372467	7030028	VAN11003579	0.4	27.5	2.9	32	0.02	42.6	19.6	3.1	0.2	321
1181485	SOIL	19/07/2011	372621	7030028	VAN11003579	6.4	13.5	1.5	12.1	0.08	10.9	14.4	1.7	0.2	87
1181486	SOIL	19/07/2011	372758	7030107	VAN11003579	0.5	15.8	1.1	24.1	0.01	32.2	12.7	2	0.2	368
1181487	SOIL	19/07/2011	372894	7030104	VAN11003579	1.1	36.6	2.2	38	0.11	43.6	18.3	7	0.5	260
1181488	SOIL	19/07/2011	372929	7029954	VAN11003579	1.2	17	3.2	24.8	0.05	23.3	12.7	4.4	0.3	138
1181489	SOIL	19/07/2011	373052	7029842	VAN11003579	0.9	25.8	2.2	34.4	0.01	32.8	9.7	3	0.2	255
1181490	SOIL	19/07/2011	373178	7029761	VAN11003579	0.9	48	2.6	44.6	0.03	55.4	21.2	6.2	0.4	398
1181491	SOIL	19/07/2011	373352	7029783	VAN11003579	2.7	22.5	1.2	22.5	0.04	36.5	11.8	4.3	0.2	359
1181492	SOIL	19/07/2011	373509	7029787	VAN11003579	1.7	48	1.6	46.7	0.14	37.9	20.4	8	0.4	264
1181493	SOIL	19/07/2011	373483	7029622	VAN11003579	0.5	22.7	1.4	7.7	0.02	9.8	11.7	2	0.2	71
1181494	SOIL	19/07/2011	373554	7029483	VAN11003579	0.9	17.3	0.5	16.3	0.04	16.6	12	6.2	0.3	119
1181495	SOIL	19/07/2011	373663	7029374	VAN11003579	1	34.5	2.5	26.4	0.06	47.4	12.6	7.4	0.3	307
1181496	SOIL	19/07/2011	373797	7029290	VAN11003579	1	10	1.4	15.8	0.02	12	8.7	2.5	0.2	113
1181497	SOIL	19/07/2011	373947	7029291	VAN11003579	10.3	122.3	8.5	238.6	0.66	158.6	16	33.1	1.9	1075
1181498	SOIL	19/07/2011	374095	7029327	VAN11003579	7.7	19.8	0.5	45.9	0.23	31.1	8.6	6.1	0.2	186
1181499	SOIL	19/07/2011	374105	7029152	VAN11003579	0.5	41.6	1.8	34.6	0.07	37.5	18.7	6.4	0.3	220
1181500	SOIL	19/07/2011	374142	7029000	VAN11003579	0.5	38.7	2.9	32	0.05	42.6	15.8	5.7	0.3	258
1181583	SOIL	16/07/2011	376538	7031309	VAN11003579	0.1	154.9	5.9	20.6	0.02	23.2	27.8	13.3	0.2	72
1181595	SOIL	16/07/2011	376775	7031826	VAN11003579	0.5	110.9	22.1	95.7	0.05	67.9	13.2	14.1	0.1	230
1181596	SOIL	16/07/2011	376617	7031847	VAN11003579	0.6	127.2	28.9	216.6	0.06	157.2	15.8	16.8	0.1	512
1181597	SOIL	16/07/2011	376514	7031969	VAN11003579	1	95.9	31.2	181.3	0.07	94.2	14.5	14.7	0.1	266
1181598	SOIL	16/07/2011	376440	7032098	VAN11003579	0.8	91.5	10.5	72.9	0.08	47.2	12.3	5	0.2	161
1181599	SOIL	16/07/2011	376304	7032180	VAN11003579	0.5	58.7	5.9	23.3	0.05	18	6.5	2.2	0.1	58
1181600	SOIL	16/07/2011	376100	7032256	VAN11003579	1.7	93.6	13.6	95.1	0.21	131	18.4	9.6	0.4	383
1181601	SOIL	16/07/2011	375951	7032273	VAN11003579	0.6	23.2	11.1	23.2	0.12	15.9	8.6	2.2	0.2	58
1181657	SOIL	18/07/2011	370316	7033353	VAN11003707	0.7	62.6	10.6	47.7	0.17	36.3	10.6	2.9	0.2	152
1181659	SOIL	18/07/2011	369978	7033218	VAN11003707	0.6	38.4	7.3	52.8	0.19	41.3	10.5	8	0.7	235
1181660	SOIL	18/07/2011	369826	7033195	VAN11003707	1.1	12.7	6.8	24.4	0.16	97.1	4.9	1.3	0.2	431
1181661	SOIL	18/07/2011	369687	7033179	VAN11003707	0.8	54.9	8.8	1177.8	0.28	184	9	12.4	2.1	804
1181662	SOIL	18/07/2011	369538	7033165	VAN11003707	0.9	27.3	10.7	96.4	0.32	102.8	13.8	4.3	1.3	270
1181665	SOIL	18/07/2011	369110	7033057	VAN11003707	1.1	19.7	5.5	32.9	0.3	27.1	8.6	2	0.3	127
1181666	SOIL	18/07/2011	368965	7033058	VAN11003707	4.2	3.6	2.9	103.2	0.48	8.5	3.9	0.7	0.9	18
1181667	SOIL	18/07/2011	368820	7033014	VAN11003579	0.7	23.6	6	31.7	0.23	22	9.1	3.2	0.3	117
1181668	SOIL	18/07/2011	368681	7032948	VAN11003579	1	33.9	13.1	52.7	0.71	34.5	13.8	5.2	0.3	168
1181669	SOIL	18/07/2011	368539	7032893	VAN11003579	3.1	33.2	11.5	47.7	0.66	30.3	11.9	2.9	0.3	114
1181670	SOIL	18/07/2011	368404	7032828	VAN11003579	0.9	19.3	6.9	36.4	0.37	32.8	8.8	4.3	0.2	160
1181671	SOIL	18/07/2011	368269	7032763	VAN11003579	1.2	21.9	7.1	40.9	0.24	22.9	9.3	3	0.2	106
1181672	SOIL	18/07/2011	368125	7032724	VAN11003579	2.6	23.7	13.7	57.6	0.49	33.1	10	3.6	0.2	134
1181673	SOIL	18/07/2011	368015	7032628	VAN11003579	0.7	36.6	3.4	18.9	0.06	16.3	15.8	2.9	0.2	98
1181674	SOIL	18/07/2011	367880	7032567	VAN11003579	0.8	38.6	9	61.6	0.15	32.1	9.2	2.9	0.2	161
1181675	SOIL	18/07/2011	367741	7032537	VAN11003579	1.2	30.1	9.9	43	0.16	29.4	10	3.3	0.2	138
1181676	SOIL	18/07/2011	367593	7032533	VAN11003579	0.9	20.6	3.4	24.4	0.06	13.8	11.5	2.6	0.2	77
1181677	SOIL	18/07/2011	367447	7032496	VAN11003707	1.7	25.9	18.7	55.5	0.44	26.9	12.3	3.1	0.2	82
1181678	SOIL	18/07/2011	367293	7032490	VAN11003707	0.4	10.8	4.8	23.9	0.04	6.1	9.5	1.2	0.2	38
1181679	SOIL	18/07/2011	367141	7032451	VAN11003707	0.2	37	2.8	23	0.03	20	15.8	4.5	0.2	117
1181682	SOIL	18/07/2011	366715	7032257	VAN11003707	2.5	37.9	22.4	75.7	0.49	35.8	16.7	2.5	0.3	134
1181683	SOIL	18/07/2011	366573	7032132	VAN11003707	0.8	17.3	8.4	41.1	0.26	17.8	8.4	2	0.2	68

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.



## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1181684	SOIL	18/07/2011	366468	7032021	VAN11003707	1.3	23.9	12.7	55.6	0.38	34.5	11.5	3.8	0.2	124
1181685	SOIL	18/07/2011	366341	7031931	VAN11003707	1.4	35.6	5.4	56.4	0.05	22.7	23.8	5.6	0.2	103
1181686	SOIL	19/07/2011	380573	7026898	VAN11003579	0.2	84.3	4.8	8	0.03	1.3	18.2	11.3	0.2	7
1181687	SOIL	19/07/2011	380500	7027002	VAN11003579	4	129	11.2	42.2	0.78	23.8	16.8	10.5	0.5	100
1181688	SOIL	19/07/2011	380459	7027121	VAN11003579	0.8	29.5	0.6	11.7	0.05	2.5	6.2	4.2	0.1	15
1181689	SOIL	19/07/2011	380409	7027243	VAN11003579	0.9	569.7	16	33.3	0.04	8.9	17.2	14.7	0.4	41
1181690	SOIL	19/07/2011	380345	7027351	VAN11003579	0.1	69.5	18	11.6	0.02	6.1	6.7	2	0.1	29
1181691	SOIL	19/07/2011	380317	7027478	VAN11003579	0.1	50.6	6.7	16.1	0.02	10.8	8	2	0.1	45
1181692	SOIL	19/07/2011	380249	7027592	VAN11003579	1.3	296.4	36.1	112.8	0.06	59.5	18.3	19	0.4	151
1181693	SOIL	19/07/2011	380187	7027702	VAN11003579	0.3	87.5	11.8	57.3	0.04	22.6	8.2	2	0.2	88
1181694	SOIL	19/07/2011	380099	7027815	VAN11003579	0.4	272.3	21.2	81.1	0.04	47.8	9.4	3.6	0.1	121
1181695	SOIL	19/07/2011	379841	7027901	VAN11003579	0.2	118.3	9	11	0.02	8	9.8	2.5	0.2	53
1181696	SOIL	19/07/2011	379823	7027582	VAN11003579	1	335.8	42	102.9	0.07	57.1	16.1	9.7	0.1	150
1181697	SOIL	19/07/2011	379850	7027456	VAN11003579	1.9	317.1	66	78.3	0.05	23.3	13.9	27.8	0.2	76
1181698	SOIL	19/07/2011	379842	7027293	VAN11003579	0.1	91.2	5	19.6	0.03	5.6	9.5	5.5	0.1	25
1181699	SOIL	19/07/2011	379792	7027170	VAN11003579	0.8	214.9	20.5	58.4	0.05	26.6	12.8	4.1	0.2	102
1181700	SOIL	19/07/2011	379738	7027051	VAN11003579	0.4	20.8	21.5	21.2	0.04	5.3	5.7	2.1	0.1	27
1181753	SOIL	16/07/2011	369641	7033803	VAN11003579	3.1	8.3	1.2	12.4	0.03	5.9	13	2.6	0.3	34
1181754	SOIL	16/07/2011	369489	7033831	VAN11003579	3.7	6.2	0.5	11.1	0.02	4.1	12.5	2.9	0.4	23
1181755	SOIL	16/07/2011	369338	7033822	VAN11003579	6.3	39.5	0.5	18.3	0.11	8	18	8.8	1.9	39
1181756	SOIL	16/07/2011	369187	7033833	VAN11003579	0.9	9.3	0.5	10.2	0.02	4.3	13.6	3.4	0.5	28
1181757	SOIL	16/07/2011	369035	7033830	VAN11003579	1	24	4.1	24	0.03	23.2	16.9	5.6	0.3	130
1181758	SOIL	16/07/2011	368893	7033827	VAN11003579	1.1	37.3	3.5	40	0.14	22.2	20.6	6.3	0.9	120
1181760	SOIL	16/07/2011	368647	7033650	VAN11003579	0.4	2.5	0.5	8.6	0.06	3.6	7.7	0.4	0.1	18
1181761	SOIL	16/07/2011	368509	7033592	VAN11003579	3.9	38.5	1.5	56	0.22	28.7	30.1	11.4	0.3	167
1181762	SOIL	16/07/2011	368370	7033533	VAN11003579	1.2	42.6	1.6	42.8	0.09	24.8	30.9	8.2	0.3	139
1181763	SOIL	16/07/2011	368225	7033498	VAN11003579	2.1	14.1	3.7	31.5	0.35	19.9	13.9	2.5	0.2	98
1181764	SOIL	16/07/2011	368076	7033473	VAN11003579	0.9	15.3	0.5	10.9	0.04	7.8	17.3	2.4	0.2	44
1181765	SOIL	16/07/2011	367918	7033448	VAN11003579	0.6	9	0.5	9.3	0.04	5	16.5	2.1	0.2	29
1181767	SOIL	16/07/2011	367615	7033432	VAN11003579	1	24	4.1	36.2	0.17	22.8	18	5.2	0.2	117
1181768	SOIL	16/07/2011	367487	7033355	VAN11003579	1.6	36.2	8.8	27.2	0.05	18.3	17	3.7	0.2	95
1181770	SOIL	16/07/2011	367179	7033351	VAN11003579	0.5	10	0.5	12.6	0.02	7.1	8.4	1.1	0.1	44
1181771	SOIL	16/07/2011	367030	7033325	VAN11003580	0.2	25.5	5.7	33.4	0.02	14.4	21.6	3.5	0.1	90
1181772	SOIL	16/07/2011	366881	7033310	VAN11003580	1.3	3.4	7.8	16.9	0.03	4.8	6.6	0.5	0.1	25
1181773	SOIL	16/07/2011	366726	7033309	VAN11003580	0.2	15.1	2.2	55	0.02	18.4	14.9	2.8	0.2	111
1181775	SOIL	16/07/2011	366452	7033424	VAN11003580	0.1	7.4	1	11.9	0.02	5.9	6.4	1.3	0.1	35
1181776	SOIL	16/07/2011	366442	7033572	VAN11003580	0.4	19.2	3.6	27.7	0.05	17	10.8	2.8	0.2	136
1181777	SOIL	18/07/2011	375918	7034324	VAN11003580	0.5	60.4	12.2	57.1	0.06	15.4	14.3	4.8	0.1	70
1181778	SOIL	18/07/2011	376067	7034299	VAN11003580	1.4	5.5	2.5	10.6	0.03	3.6	3.1	0.7	0.1	17
1181779	SOIL	18/07/2011	376197	7034251	VAN11003580	1.8	75.2	27.6	145.4	0.12	32.6	33.7	5.6	0.2	144
1181780	SOIL	18/07/2011	376341	7034204	VAN11003580	1	21.1	35.4	223.3	0.13	84.7	36.9	3.3	0.1	343
1181781	SOIL	18/07/2011	376473	7034152	VAN11003580	1	40	16.7	61.4	0.08	16.5	27.3	5.2	0.1	77
1181782	SOIL	18/07/2011	376611	7034106	VAN11003580	0.8	22.3	10.2	83.7	0.05	18.3	15.6	4.8	0.1	95
1181783	SOIL	18/07/2011	376729	7034028	VAN11003580	0.3	33.3	4.5	34.6	0.04	12.4	14.7	4.3	0.1	62
1181784	SOIL	18/07/2011	376861	7033982	VAN11003580	0.3	22.5	8.1	47.7	0.04	12.8	12.8	3.4	0.1	55
1181785	SOIL	18/07/2011	376971	7033894	VAN11003580	0.3	19.7	24.7	67.3	0.04	9.1	14.8	2.6	0.1	52
1181786	SOIL	18/07/2011	377100	7033830	VAN11003580	0.6	35	22.4	70.1	0.05	14.1	21.1	6.6	0.1	78
1181787	SOIL	18/07/2011	377242	7033786	VAN11003580	0.8	27.6	16.7	162.7	0.04	43.4	40.7	8.2	0.1	198
1181788	SOIL	18/07/2011	377429	7033720	VAN11003580	1.2	34.6	27.9	120.6	0.06	26.2	35.8	6.8	0.1	120
1181789	SOIL	18/07/2011	377570	7033677	VAN11003580	1.3	46.8	13.1	151.9	0.07	28.5	50.2	11.3	0.1	138
1181790	SOIL	18/07/2011	377704	7033631	VAN11003580	1.2	40.5	19.1	147.1	0.05	29.1	45.4	11.5	0.2	139
1181791	SOIL	18/07/2011	377834	7033581	VAN11003580	0.9	48.1	3.7	128.1	0.08	21.2	59.1	11.2	0.1	120
1181792	SOIL	18/07/2011	377951	7033500	VAN11003580	5.1	56.7	16	151.6	0.59	90.9	52.2	19.5	0.6	370
1181793	SOIL	18/07/2011	378071	7033423	VAN11003580	6.8	189.3	14.4	94.9	1.53	87	77.8	60.7	4.4	413

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.



## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1181794	SOIL	18/07/2011	378240	7033353	VAN11003580	1.7	54.2	18.3	84.7	0.09	22.5	32.6	21.2	0.2	93
1181795	SOIL	18/07/2011	378395	7033277	VAN11003580	1.2	100.7	25.4	288.8	0.06	24.2	61.7	58.3	0.4	102
1181796	SOIL	18/07/2011	378526	7033194	VAN11003580	1.1	65.6	7.9	114.1	0.11	26.4	48.3	18.8	0.3	132
1181797	SOIL	18/07/2011	378642	7033114	VAN11003580	2.3	131.2	26.5	284.1	0.11	49.9	46.1	23.3	0.1	235
1181798	SOIL	18/07/2011	378837	7032995	VAN11003580	0.2	6.6	4.1	8.5	0.02	4.9	4.2	1	0.1	18
1181799	SOIL	18/07/2011	379020	7033037	VAN11003580	1.7	114.4	27.3	147.4	0.1	110.4	27.3	28.3	0.1	357
1181800	SOIL	18/07/2011	379148	7032984	VAN11003580	2	179	67	429.4	0.11	273.6	35.5	22.4	0.1	907
1181844	SOIL	24/07/2011	387111	7028124	VAN11003684	0.4	18.6	5.1	46	0.06	23.2	13.2	1.7	0.1	99
1181845	SOIL	24/07/2011	387220	7028066	VAN11003684	1	53.7	17.2	71.7	0.2	35.7	11.9	5.3	0.2	126
1181846	SOIL	24/07/2011	387303	7027964	VAN11003684	0.2	24.4	8.6	37.9	0.13	33.5	14.4	2.4	0.1	168
1181847	SOIL	24/07/2011	387402	7027877	VAN11003684	0.3	24.8	5	33.4	0.08	31.1	10.9	3.1	0.1	170
1181848	SOIL	24/07/2011	387526	7027876	VAN11003684	0.5	7.6	5	23.9	0.13	15.2	5.3	1	0.1	58
1181849	SOIL	26/07/2011	386392	7022688	VAN11003834	1.1	26.3	2.8	66	0.19	81.8	11.4	9.5	2.2	738
1181850	SOIL	26/07/2011	386288	7022761	VAN11003834	1.2	41.1	3.2	29.1	0.14	140.9	7.4	10.9	1.1	902
1181851	SOIL	26/07/2011	386261	7022885	VAN11003834	1.2	52.5	1.3	55.5	0.5	99.3	23.4	16.3	3.1	1117
1181852	SOIL	26/07/2011	386626	7022981	VAN11003834	0.1	20.5	0.5	18.9	0.02	24	15.6	2.3	0.2	116
1181853	SOIL	26/07/2011	386384	7022906	VAN11003834	1.1	19.4	0.7	38	0.04	21.5	17.9	2.7	0.2	113
1181854	SOIL	26/07/2011	386510	7022925	VAN11003834	1.4	58.6	1.7	30.9	0.12	82.6	23	8.8	1.4	468
1181855	SOIL	26/07/2011	386732	7023050	VAN11003834	0.2	25.4	2.5	47	0.03	56.3	22.9	3.4	0.2	199
1181856	SOIL	26/07/2011	386751	7023176	VAN11003834	0.2	20.5	0.5	15.7	0.02	31.8	21.1	3.9	0.3	308
1181857	SOIL	26/07/2011	386677	7023278	VAN11003834	1.6	34.1	8.1	43.9	0.4	140	174.9	12.4	1.1	3219
1181858	SOIL	26/07/2011	386604	7023350	VAN11003834	1.3	41.5	2.9	41.2	0.08	47.6	75.8	12.8	1.2	428
1181859	SOIL	26/07/2011	386604	7023451	VAN11003834	3.2	14.6	2.1	11.3	0.05	15.1	15.1	2.4	0.4	74
1181860	SOIL	26/07/2011	386664	7023537	VAN11003834	0.3	13.7	0.5	9.4	0.02	14.3	34.4	1.2	0.2	110
1181861	SOIL	26/07/2011	386711	7023632	VAN11003834	0.5	24.3	0.6	15.3	0.08	23.9	21	3.3	0.4	152
1181862	SOIL	26/07/2011	386795	7023687	VAN11003834	3.2	45.5	5	20.8	0.75	26.8	37.8	12.5	0.8	151
1181863	SOIL	26/07/2011	386874	7023751	VAN11003834	2.2	17.3	3.3	22.6	0.07	16.6	28.8	3.5	0.5	65
1181864	SOIL	26/07/2011	386916	7023844	VAN11003834	0.3	22.3	1.2	14.6	0.01	13.6	15.2	2.2	0.2	104
1181865	SOIL	26/07/2011	387039	7023934	VAN11003834	7.3	84.7	6.7	35	0.24	75.4	50.3	26.1	2.6	533
1181866	SOIL	26/07/2011	387136	7024015	VAN11003834	5.9	37.5	5.9	153.8	2.12	327	21.1	19.8	3.3	4031
1181867	SOIL	26/07/2011	387253	7024061	VAN11003834	4.8	1.7	2.6	8.2	0.13	1.5	11.7	0.7	0.4	7
1181868	SOIL	26/07/2011	387408	7024052	VAN11003834	4.2	16.7	1.5	14.1	0.6	4.2	14.4	7	1.3	13
1181869	SOIL	26/07/2011	387534	7024049	VAN11003834	2.9	2	1.3	16.8	3.33	9	9.7	6	1	12
1181870	SOIL	26/07/2011	387660	7024038	VAN11003834	0.1	23.2	1.1	12.7	0.03	21.4	35.7	1.9	0.4	67
1181871	SOIL	26/07/2011	387784	7024005	VAN11003834	0.7	22.9	5.8	21.9	0.21	20.6	16.5	4.6	0.8	106
1181906	SOIL	08/09/2011	388612	7028041	WHI11001431	0.7	39.9	6.2	54.6	0.1	25.4	18.2	3	0.1	89
1181907	SOIL	08/09/2011	388517	7028077	WHI11001431	0.2	100.6	7.8	28.3	0.06	13.5	9.2	4	0.1	62
1181908	SOIL	08/09/2011	388424	7028117	WHI11001431	0.9	313.3	102.4	63	0.16	34.5	15.9	6.9	0.2	104
1181909	SOIL	08/09/2011	388403	7028016	WHI11001431	0.3	36.4	3.3	29.9	0.08	20	16.9	3	0.2	88
1181910	SOIL	08/09/2011	388369	7027923	WHI11001431	0.5	142.8	18.6	115	0.14	129.4	31.3	19.9	0.2	301
1181911	SOIL	08/09/2011	388319	7027833	WHI11001431	1.1	184.5	47	37.4	0.41	39.1	10.2	2.9	0.1	94
1181912	SOIL	08/09/2011	388256	7027754	WHI11001431	0.3	131.8	11.5	37.7	0.08	9	8.4	6	0.1	40
1181913	SOIL	08/09/2011	388186	7027679	WHI11001431	0.3	108.9	53	98.6	0.15	88.1	26.7	35	0.4	191
1181914	SOIL	08/09/2011	388083	7027675	WHI11001431	1	120.7	66.9	62.8	0.32	52.9	20	28.4	0.3	147
1181915	SOIL	08/09/2011	388076	7027576	WHI11001431	0.2	101.7	26.6	40.4	0.07	35.7	9.9	21.3	0.1	106
1181916	SOIL	08/09/2011	388072	7027472	WHI11001431	0.4	62.6	5.4	35.9	0.06	17.1	12.3	4.9	0.1	69
1181917	SOIL	08/09/2011	388140	7027397	WHI11001431	0.4	139.1	32.4	75.1	0.13	32.7	14.8	11.5	0.2	117
1181918	SOIL	08/09/2011	388102	7027305	WHI11001431	0.2	34.5	4.8	62.3	0.07	26.1	18.2	3.3	0.2	120
1181919	SOIL	08/09/2011	388139	7027213	WHI11001431	0.2	34	16.5	67	0.06	24.1	17.6	3.1	0.1	114
1181920	SOIL	08/09/2011	388214	7027151	WHI11001431	0.3	28.4	7.4	105.2	0.07	27	25.2	2	0.1	131
1181921	SOIL	08/09/2011	388309	7027119	WHI11001431	0.2	18.1	12.5	58.9	0.07	20.7	22.4	2.1	0.1	99
1181922	SOIL	08/09/2011	388401	7027083	WHI11001431	0.4	58.6	9.1	107	0.11	27.1	15.4	4.8	0.1	123
1181923	SOIL	08/09/2011	388504	7027072	WHI11001431	0.4	90.1	6.4	69.9	0.05	25.5	9.7	5.4	0.1	96
1181924	SOIL	08/09/2011	388593	7027027	WHI11001431	0.8	45	5.4	47.1	0.18	25.6	12.2	3.3	0.1	98

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1181925	SOIL	08/09/2011	388675	7026967	WHI11001431	0.2	44.6	5.8	74.8	0.03	24.3	16.8	4	0.1	112
1181926	SOIL	08/09/2011	388806	7026939	WHI11001431	0.8	74.7	7.7	50.7	0.1	19.9	11.8	8.7	0.2	98
1181927	SOIL	08/09/2011	388885	7026938	WHI11001431	1.4	52	7.4	70.9	0.19	36.3	15.7	36	0.1	93
1181928	SOIL	08/09/2011	388986	7026938	WHI11001431	0.4	25.9	6.2	30.8	0.12	23.1	11.6	6.4	0.2	90
1181929	SOIL	08/09/2011	389083	7026968	WHI11001431	0.3	47.8	5.3	50.7	0.07	42.1	18.3	13.5	0.2	133
1182145	SOIL	16/07/2011	371846	7032427	VAN11003580	4.3	4.3	8.8	26.2	1.09	8.5	7.4	3.1	0.3	23
1182159	SOIL	16/07/2011	373998	7032912	VAN11003580	0.6	1.8	3.5	8.2	0.07	1.7	3	0.2	0.1	5
1182160	SOIL	16/07/2011	374146	7032864	VAN11003580	0.3	28.2	3	11.9	0.02	7.3	9.1	2.5	0.1	38
1182161	SOIL	16/07/2011	374298	7032820	VAN11003580	1.3	15.6	5.7	13.9	0.2	11.1	4.8	1.2	0.2	38
1182162	SOIL	16/07/2011	374451	7032822	VAN11003580	0.4	26.3	9.7	31.1	0.11	26.4	6.5	3.1	0.3	113
1182163	SOIL	16/07/2011	374554	7032694	VAN11003580	1.5	36.1	10.8	33.8	0.24	23	11.6	3.2	0.2	96
1182199	SOIL	18/07/2011	371752	7032396	VAN11003707	2.1	3.7	4.2	21.6	0.64	8.3	3.6	1.2	0.1	26
1182200	SOIL	18/07/2011	371591	7032354	VAN11003707	2.2	13	7.1	43.2	0.58	14.2	6.8	3	0.3	35
1182363	SOIL	16/07/2011	376386	7031308	VAN11003580	0.2	52	8	16.9	0.05	9.9	42.8	8.8	0.2	47
1182364	SOIL	16/07/2011	376303	7031181	VAN11003580	0.2	34.1	5.1	17.4	0.05	7.6	20.6	4.1	0.1	37
1182365	SOIL	16/07/2011	376310	7031023	VAN11003580	0.1	48.9	4.6	22.7	0.04	9.2	21.8	4.5	0.1	44
1182366	SOIL	16/07/2011	376347	7030878	VAN11003580	0.1	65.1	8.1	21.2	0.03	10.1	20	6.4	0.1	41
1182367	SOIL	16/07/2011	376352	7030727	VAN11003580	0.9	193.3	36.3	30.3	0.11	17.1	47.4	20.8	0.2	72
1182368	SOIL	16/07/2011	376370	7030578	VAN11003580	0.1	38.2	4.5	29	0.03	16.7	16.4	3.3	0.1	66
1182369	SOIL	16/07/2011	376216	7030579	VAN11003580	0.2	69.6	8.8	79.3	0.03	69.8	15.2	7.2	0.2	151
1182370	SOIL	16/07/2011	376088	7030668	VAN11003580	1	40.1	8.1	52.5	0.04	22	10.5	3.5	0.1	63
1182371	SOIL	16/07/2011	375972	7030765	VAN11003580	1.3	91	23.1	111.1	0.04	71.6	25.5	12.6	0.1	166
1182372	SOIL	16/07/2011	375875	7030877	VAN11003580	0.1	29.3	3.5	22.6	0.03	13.2	11.6	2.6	0.1	58
1182373	SOIL	16/07/2011	375799	7031018	VAN11003580	0.8	56.2	13.8	75.9	0.05	33.7	19.3	7.1	0.1	103
1182374	SOIL	16/07/2011	375741	7031161	VAN11003580	0.8	28.9	8.2	151.8	0.08	54.2	21.6	3.1	0.1	310
1182375	SOIL	16/07/2011	375686	7031303	VAN11003580	0.3	52.6	14.6	33.1	0.04	16.1	21	4.4	0.1	62
1182376	SOIL	16/07/2011	375619	7031440	VAN11003580	0.1	28.5	2.6	18.5	0.03	12.9	13.7	1.9	0.1	50
1182377	SOIL	16/07/2011	375555	7031588	VAN11003580	0.1	36.1	0.9	23.2	0.02	11.8	26.4	4.3	0.1	50
1182378	SOIL	16/07/2011	375557	7031747	VAN11003580	0.1	34.7	3.7	19.7	0.03	10.3	17.5	2.6	0.1	47
1182379	SOIL	16/07/2011	375594	7031896	VAN11003580	0.2	64.4	15.6	41.1	0.04	20.2	16.5	5.5	0.2	73
1182380	SOIL	16/07/2011	375635	7032011	VAN11003580	0.1	73	17.3	52	0.03	18.5	16	4.9	0.2	67
1182381	SOIL	16/07/2011	375613	7032160	VAN11003580	0.1	69.7	7.8	42.3	0.03	12.5	16.3	5.5	0.1	53
1182382	SOIL	16/07/2011	375573	7032307	VAN11003580	0.3	64.3	8.1	28.8	0.04	19.7	13	4.7	0.1	68
1182383	SOIL	16/07/2011	375414	7032321	VAN11003580	0.5	40.3	5.4	32.4	0.09	19.8	13.4	2.5	0.2	69
1182385	SOIL	16/07/2011	375129	7032413	VAN11003580	0.1	36.7	9	39.5	0.03	16.2	9.1	2.8	0.1	61
1182386	SOIL	16/07/2011	374976	7032535	VAN11003580	0.3	60	7.2	35.8	0.07	45.1	12	1.9	0.2	110
1182387	SOIL	16/07/2011	374976	7032535	VAN11003580	0.5	125.5	18.2	62.7	0.06	69.6	14.8	7.2	0.2	233
1182388	SOIL	16/07/2011	374841	7032605	VAN11003580	0.5	156.9	22.2	109.1	0.06	85	15.4	11.7	0.2	260
1182389	SOIL	16/07/2011	374687	7032609	VAN11003580	0.9	43.3	10.6	45.5	0.22	36.9	13.8	4	0.2	146
1182461	SILT	25/07/2011	385580	7025625	VAN11003684	1.4	16.9	7	47.2	0.18	47.5	26.8	1	0.1	147
1182462	SILT	25/07/2011	384956	7025240	VAN11003684	0.9	32	12.1	34.4	0.49	33.5	15.4	1.2	0.1	107
1182463	SILT	25/07/2011	384862	7025123	VAN11003684	1	25.6	7.8	42.3	1.72	68.8	20.4	3.4	0.3	168
1182464	SILT	26/07/2011	388328	7024825	VAN11003684	0.6	12.4	4.1	31.6	0.33	26.5	12	2.1	0.2	140
1182465	SILT	26/07/2011	388491	7024194	VAN11003684	1.1	8.6	7.4	42.3	0.35	31	10.9	0.7	0.3	126
1182466	SILT	26/07/2011	388373	7023817	VAN11003684	0.5	10.7	1.9	26.6	0.41	23.8	10.6	2.5	0.4	139
1182467	SILT	26/07/2011	387638	7022974	VAN11003684	0.8	17.3	8.1	48.6	0.32	68.3	19.4	4.9	0.5	768
1182500	SILT	20/08/2011	365046	7034349	VAN11004557	1.1	33.5	18.5	82.7	0.41	84.8	16.1	5	0.2	405
1182517	SILT	19/08/2011	385466	7028765	VAN11004465	0.6	82.9	14.5	140.1	0.14	231.6	29.9	11.1	0.4	776
1182518	SILT	20/08/2011	365173	7034769	VAN11004557	0.6	35.8	8	56.6	0.23	88	13.9	8.2	0.5	547
1182622	SILT	09/09/2011	377333	7026424	WHI11001430	1.1	88.9	11.2	64.6	0.2	64.2	12.5	6.2	0.3	413
1182639	SILT	10/09/2011	365062	7036858	WHI11001430	0.3	53.4	16.1	83.7	0.07	94.4	20.5	2.8	0.1	179
1182640	SILT	10/09/2011	365364	7037073	WHI11001430	0.4	14.9	11.7	70.3	0.16	45.5	15.5	2.9	0.1	139
1182641	SILT	10/09/2011	365342	7037422	WHI11001430	0.5	22.2	16.1	70	0.14	40.8	13.4	2.6	0.1	158
1182642	SILT	10/09/2011	364985	7037329	WHI11001430	0.5	23.9	15.4	68.5	0.13	42.6	13.2	2.9	0.1	144

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1182643	SILT	10/09/2011	364977	7037178	WHI11001430	0.5	17.5	9.3	73.5	0.2	47.4	15.7	3.1	0.1	156
1182644	SILT	10/09/2011	364890	7037171	WHI11001430	0.5	18.1	9.7	70	0.25	51	15.9	3	0.1	163
1182645	SILT	10/09/2011	364698	7037186	WHI11001430	0.4	18	12.9	62.8	0.13	42	13.2	2.6	0.1	140
1182801	SILT	25/07/2011	378275	7026097	VAN11003684	1.7	123.5	14.2	89.9	0.44	159.1	12	18.8	0.6	1450
1182802	SILT	26/07/2011	386874	7030345	VAN11003684	18.4	59.7	9.7	171.5	0.72	116.3	23.9	4.8	0.6	263
1182803	SILT	26/07/2011	387144	7030320	VAN11003684	3	72	8.7	140.9	1.15	181.5	14.4	15.4	0.9	917
1182804	SILT	26/07/2011	387892	7030354	VAN11003684	2	62.6	6.9	115	1.94	388.7	11	10.7	1.2	4079
1182805	SILT	26/07/2011	387808	7030652	VAN11003684	1.4	31.4	7.7	97.4	0.48	147.9	11.8	10.5	0.6	1273
1182806	SILT	26/07/2011	387772	7030839	VAN11003684	2.3	36.1	7.6	131.2	0.53	171.9	12	14.6	0.5	1520
1182807	SILT	26/07/2011	388355	7028565	VAN11003684	0.9	46.3	4.5	73.7	1.52	145.2	8.6	7.5	1	788
1182841	SOIL	09/09/2011	379272	7027084	WHI11001430	0.8	82.6	7.9	51.3	0.06	70	10	13.8	0.1	227
1182842	SOIL	09/09/2011	379159	7026839	WHI11001430	0.5	168.4	28.4	30.1	0.03	24.7	10.6	24.1	0.2	104
1182843	SOIL	09/09/2011	379185	7026832	WHI11001430	0.7	161.9	27.7	42.3	0.04	35.6	11.9	20.7	0.2	96
1182844	SOIL	09/09/2011	379212	7026822	WHI11001430	0.8	169.6	45.2	95.6	0.12	44.2	19.2	20.5	0.2	183
1182845	SOIL	09/09/2011	379225	7026798	WHI11001430	0.8	289.6	40.8	75.3	0.08	31.2	19	34.8	0.2	142
1182846	SOIL	09/09/2011	379240	7026777	WHI11001430	1	156.1	12.4	37.5	0.04	12.7	13.5	25.2	0.1	50
1182847	SOIL	09/09/2011	377199	7026337	WHI11001430	0.3	7.7	2	9.9	0.03	5.3	10.4	1.1	0.1	33
1182848	SOIL	09/09/2011	377099	7026306	WHI11001430	2.7	17.3	1.6	23.9	0.08	20.9	20.2	1.7	0.2	205
1182849	SOIL	09/09/2011	376993	7026291	WHI11001430	1	33.5	3.6	18.1	0.03	19.1	14.9	3.7	0.1	116
1182850	SOIL	09/09/2011	376890	7026297	WHI11001430	0.8	15.7	1.5	18.2	0.02	17.6	23.7	2.6	0.2	103
1182946	SILT	08/09/2011	388302	7024780	WHI11001430	0.8	13.7	4	37.5	0.37	23.2	17.9	1.6	0.3	121
1182947	SILT	08/09/2011	388240	7025144	WHI11001430	0.9	11	9.1	250.8	0.25	31.2	19.2	1	0.4	154
1182998	SOIL	09/09/2011	376787	7026280	WHI11001430	2.3	16.8	1	23.5	0.06	43.4	19	12	0.6	194
1182999	SOIL	09/09/2011	376685	7026281	VAN11001430	2.2	3.3	0.6	20.2	0.08	5.8	10.7	0.7	0.2	26
1183000	SOIL	09/09/2011	376580	7026293	WHI11001430	1.3	37.5	4	22.5	0.06	38.5	19.3	5.1	0.3	273
1183001	SOIL	18/07/2011	371448	7032288	VAN11003707	0.5	16.3	3.8	20.6	0.11	8.5	8.5	2.8	0.1	41
1183002	SOIL	18/07/2011	371317	7032202	VAN11003707	3.1	39.1	10.8	105.4	1.6	189	9.1	6.5	0.7	1409
1183003	SOIL	18/07/2011	371177	7032107	VAN11003580	2.1	54	11	48.7	0.55	34.7	12.3	10	0.5	176
1183004	SOIL	18/07/2011	371021	7032032	VAN11003580	1.5	9	12.7	35.8	0.52	12.7	7.2	1.6	0.2	40
1183005	SOIL	18/07/2011	370875	7031946	VAN11003580	2	32	9.4	59.5	0.96	63.1	10.9	8.5	0.3	453
1183006	SOIL	18/07/2011	370735	7031867	VAN11003580	2.7	7.1	6.7	37.9	0.56	34.5	7.9	1.5	0.2	139
1183009	SOIL	18/07/2011	370393	7031564	VAN11003707	1.9	1.2	2.4	31.1	0.29	9.5	2.2	0.5	0.1	18
1183010	SOIL	18/07/2011	370283	7031446	VAN11003580	0.3	37.3	2.3	21.5	0.03	19	12.6	4.2	0.3	120
1183011	SOIL	18/07/2011	370292	7031306	VAN11003580	0.9	15.9	1.9	25.9	0.04	7	42.3	2.2	0.2	48
1183012	SOIL	18/07/2011	370319	7031166	VAN11003580	0.3	10.1	1.3	19.9	0.02	17.1	8.7	2	0.1	92
1183013	SOIL	18/07/2011	370429	7031054	VAN11003580	0.2	11.3	0.5	17.6	0.01	10.4	9.7	1.1	0.1	47
1183014	SOIL	18/07/2011	370605	7030998	VAN11003580	0.5	8.3	0.5	16.3	0.08	12.2	10.7	0.9	0.1	50
1183015	SOIL	18/07/2011	370738	7030917	VAN11003580	2.5	18.6	0.9	39.2	0.03	27.7	18.2	2.9	0.1	169
1183016	SOIL	18/07/2011	370868	7030825	VAN11003580	1.4	41.7	0.5	23.2	0.05	16.6	11.1	3.7	0.4	126
1183017	SOIL	18/07/2011	370993	7030781	VAN11003580	0.7	44.1	13.2	111.8	0.06	115	28.5	10.3	0.2	880
1183019	SOIL	18/07/2011	371300	7030728	VAN11003580	2.2	15.1	2.4	17.4	0.06	18.5	11.5	1.9	0.2	116
1183020	SOIL	18/07/2011	371454	7030659	VAN11003580	0.9	11.7	0.5	16.3	0.03	14.5	9.1	2.3	0.5	84
1183021	SOIL	18/07/2011	371607	7030585	VAN11003580	0.4	4.5	0.5	8.7	0.02	8.6	4.2	0.6	0.1	59
1183022	SOIL	18/07/2011	371739	7030565	VAN11003580	0.3	23.9	1	27.8	0.03	47.5	13.1	4.9	0.1	210
1183023	SOIL	18/07/2011	371888	7030524	VAN11003580	0.7	36.1	4.8	48.9	0.15	49.5	15.7	4.5	0.2	300
1183024	SOIL	19/07/2011	373273	7030742	VAN11003580	1	8.3	0.5	22.4	0.07	7.4	8.8	3.3	0.1	38
1183025	SOIL	19/07/2011	373386	7030682	VAN11003580	1.6	35.5	4.8	22.2	0.39	9.7	12	7.5	0.3	43
1183026	SOIL	19/07/2011	373429	7030560	VAN11003580	0.7	10.5	2.4	13.6	0.09	5.3	10.1	2.2	0.3	25
1183027	SOIL	19/07/2011	373472	7030429	VAN11003580	1.9	19.4	1.2	21.1	0.18	10.3	16.1	6.3	0.5	58
1183028	SOIL	19/07/2011	373558	7030306	VAN11003580	1.4	9.5	1.6	21.6	0.08	5.4	13.5	5.2	0.7	34
1183029	SOIL	19/07/2011	373644	7030200	VAN11003580	4.4	30.2	2.7	17.3	0.16	11.6	19.6	6.9	1	60
1183030	SOIL	19/07/2011	373778	7030187	VAN11003580	1.5	3.4	0.5	15.5	0.04	5.3	7.2	1.6	0.2	25
1183031	SOIL	19/07/2011	373912	7030186	VAN11003580	5.1	102.7	13.7	140.5	0.85	20	16.4	40.6	2.7	126
1183032	SOIL	19/07/2011	374024	7030102	VAN11003580	1.5	6.1	0.7	81.9	0.66	2.8	2.5	1.1	0.1	8

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

## 2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture

(Refer to digital version for full list)

## Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1183033	SOIL	19/07/2011	374039	7029972	VAN11003580	8.5	9.4	2.6	39.8	0.18	14.9	8.6	5.7	0.8	58
1183034	SOIL	19/07/2011	374105	7029853	VAN11003580	3.9	3.5	0.5	10.2	0.07	2.6	2.9	0.7	0.1	15
1183035	SOIL	19/07/2011	374221	7029764	VAN11003580	30.3	113.8	12.2	130.7	3.37	26.5	14.7	16.1	1.3	88
1183036	SOIL	19/07/2011	374351	7029716	VAN11003580	4.1	3.4	0.5	61.1	0.18	11.1	3.9	3	0.5	26
1183037	SOIL	19/07/2011	374477	7029660	VAN11003580	10.2	39.1	1.7	96.2	0.8	8.9	20.7	22.6	3.1	50
1183038	SOIL	19/07/2011	374591	7029588	VAN11003580	0.9	52.2	3.4	65.3	0.44	61.4	15.2	17.6	0.9	356
1183039	SOIL	19/07/2011	374634	7029466	VAN11003707	0.2	33.4	7	46	0.13	39.1	16.5	6.3	0.3	248
1183040	SOIL	19/07/2011	374770	7029394	VAN11003707	1	21.1	3.7	18.3	0.1	16.5	16.6	3.8	0.2	90
1183041	SOIL	19/07/2011	374934	7029320	VAN11003580	2.1	36.3	3	28.9	0.19	18.3	15.3	4.1	0.5	95
1183042	SOIL	19/07/2011	375057	7029296	VAN11003580	3.4	83	7	61	0.34	32.6	16.4	16.6	1.5	197
1183043	SOIL	19/07/2011	375179	7029308	VAN11003580	5	58	10.4	33.1	0.41	35.4	14.7	11.8	0.6	208
1183044	SOIL	19/07/2011	375304	7029253	VAN11003580	1.1	33.1	1.5	23.5	0.15	13.7	14.2	11	0.8	70
1183045	SOIL	19/07/2011	375317	7029113	VAN11003580	0.7	0.6	0.5	6.4	0.04	1	0.6	1	0.1	4
1183046	SOIL	19/07/2011	375295	7028985	VAN11003580	4.6	14.1	2.9	25.9	0.09	5.5	11.1	4.9	0.9	36
1183047	SOIL	19/07/2011	375364	7028869	VAN11003580	2.4	10.4	1.7	21.1	0.23	5	6.2	3.4	0.2	22
1183101	SOIL	19/07/2011	374238	7028878	VAN11003580	0.5	40.6	4.9	24.3	0.06	42.7	15	7.7	0.4	580
1183102	SOIL	19/07/2011	374297	7028716	VAN11003580	0.2	266.8	5.8	29.1	0.01	53.7	15.6	6	0.2	407
1183103	SOIL	19/07/2011	374429	7028552	VAN11003580	1.7	43.4	6.9	52.4	0.49	73.9	17.9	4.8	0.2	475
1183104	SOIL	19/07/2011	374569	7028464	VAN11003580	0.6	53.3	5.1	26	0.06	38.8	23.2	8.1	0.3	288
1183105	SOIL	19/07/2011	374704	7028374	VAN11003580	0.3	59.3	7.6	39.5	0.1	48.6	15.1	7.5	0.3	338
1183106	SOIL	19/07/2011	374790	7028247	VAN11003580	0.4	60.5	5.3	25.8	0.02	37	22.3	10.5	0.3	207
1183107	SOIL	19/07/2011	374815	7028091	VAN11003580	1.2	33.9	2.7	35.3	0.02	48.7	28.2	9.5	0.4	253
1183108	SOIL	19/07/2011	374864	7027940	VAN11003580	1.9	25.8	3.9	17.8	0.08	34.5	18.8	5.5	0.3	237
1183109	SOIL	19/07/2011	374856	7027783	VAN11003580	0.5	38	3.6	23.6	0.04	26.9	20.6	5	0.2	145
1183151	SOIL	19/07/2011	375846	7028069	VAN11003580	3.2	50.6	2.4	33.8	0.07	54.9	24.8	20.7	0.9	256
1183152	SOIL	19/07/2011	375863	7027928	VAN11003580	2.8	96.3	6.9	67.3	0.74	134.4	24.1	18.4	0.7	1206
1183153	SOIL	19/07/2011	375831	7027804	VAN11003580	0.3	62.1	6.7	28.1	0.03	28.1	24.2	10	0.1	136
1183154	SOIL	19/07/2011	375843	7027672	VAN11003580	1.4	20.9	7.7	16.5	0.04	29.6	23.8	11.7	0.3	113
1183155	SOIL	19/07/2011	375936	7027574	VAN11003579	4.2	17.7	2.1	57	0.69	128	11.5	5.2	1.2	777
1183156	SOIL	19/07/2011	375987	7027451	VAN11003580	0.3	13.5	1.6	92.6	0.05	45.5	30.7	2.5	0.1	156
1183157	SOIL	19/07/2011	376100	7027376	VAN11003580	0.6	43.9	0.9	34.6	0.02	34.7	16.2	4.3	0.2	173
1183158	SOIL	19/07/2011	376215	7027306	VAN11003580	0.4	19.6	1.5	32	0.04	29.4	16.6	3.5	0.1	151
1183159	SOIL	19/07/2011	376337	7027246	VAN11003580	0.2	21.5	0.7	24.7	0.03	57.6	11.2	4	0.2	301
1183160	SOIL	19/07/2011	376462	7027237	VAN11003580	0.2	49.1	2.8	28.9	0.04	119	11.1	15.7	0.4	442
1183161	SOIL	19/07/2011	376516	7027119	VAN11003580	2.4	46.1	3.9	24.1	0.1	25.1	31.6	4.6	0.2	132
1183162	SOIL	19/07/2011	376603	7027019	VAN11003580	1.2	81.7	14.1	26.3	0.03	24.5	27	10	0.3	111
1183163	SOIL	19/07/2011	376720	7026972	VAN11003580	0.7	24.5	0.9	29.2	0.02	24.8	13.4	2.9	0.2	86
1183164	SOIL	19/07/2011	376858	7026963	VAN11003580	0.9	79.3	2.6	31.6	0.03	17.8	26.7	10.8	0.2	104
1183165	SOIL	19/07/2011	376967	7027033	VAN11003580	1.3	78.7	13.3	24	0.04	12.1	15.5	7.8	0.2	87
1183166	SOIL	19/07/2011	377106	7027071	VAN11003580	0.4	26.1	1.5	8.8	0.01	5	9.9	3.2	0.1	33
1183167	SOIL	19/07/2011	377233	7027068	VAN11003580	1.3	52.2	4.7	22.2	0.03	10	13.9	10.9	0.1	66
1183168	SOIL	19/07/2011	377376	7027066	VAN11003580	0.3	148.5	22.3	58.1	0.02	48.9	10.5	7.3	0.2	191
1183169	SOIL	19/07/2011	377512	7027061	VAN11003580	1.1	187.2	6.3	24.1	0.04	12.1	24.6	15.3	0.2	86
1183170	SOIL	19/07/2011	377638	7027123	VAN11003580	2	178.4	17.7	58.2	0.14	18.7	23.2	21.3	0.3	86
1183201	SOIL	19/07/2011	379694	7026929	VAN11003580	4.1	9756.2	4248.3	253.7	0.1	34.1	50.5	132.2	1.4	117
1183202	SOIL	19/07/2011	379626	7026822	VAN11003580	3.1	1191.9	209.1	222.5	0.18	29.3	48.7	63.5	0.8	97
1183203	SOIL	19/07/2011	379507	7026792	VAN11003580	4.9	471.3	308.3	140.6	0.22	33.4	48.1	56.2	0.3	258
1183204	SOIL	19/07/2011	379399	7026763	VAN11003580	1.8	715.6	41.1	78.1	0.06	16.6	28.3	21.1	0.1	110
1183205	SOIL	19/07/2011	379328	7026867	VAN11003580	1.8	714.2	88.5	205.7	0.08	43.6	22.7	171.5	0.4	168
1183206	SOIL	19/07/2011	379288	7026926	VAN11003580	0.9	161	45	46	0.17	19.3	15.6	66.4	0.1	72
1183207	SOIL	19/07/2011	379240	7026987	VAN11003580	0.4	244.4	5.5	36.9	0.03	28.1	7	100.5	0.1	104
1183208	SOIL	19/07/2011	379182	7027016	VAN11003580	0.8	239.1	58.6	42.7	0.03	20.7	12.3	27.4	0.2	90
1183209	SOIL	19/07/2011	379133	7026996	VAN11003580	1	167.3	27.9	44.5	0.02	48.3	10.5	24.6	0.2	175
1183210	SOIL	19/07/2011	379093	7026948	VAN11003580	2.8	453.2	25.9	115.7	0.1	22.3	12	96.7	0.1	102

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1183211	SOIL	19/07/2011	379077	7026916	VAN11003580	3.6	212.9	44.8	54.6	0.16	39.2	16.3	59.4	0.3	179
1183212	SOIL	19/07/2011	378991	7026832	VAN11003580	2.7	903	22.2	71.4	0.08	22.1	28.7	138.4	0.3	154
1183213	SOIL	19/07/2011	378883	7026767	VAN11003580	2.4	311.1	20.7	171.2	0.1	32.1	31.1	64.5	0.2	213
1183214	SOIL	19/07/2011	378760	7026740	VAN11003580	4.6	841.4	125.7	236.4	0.18	39	106.7	48.7	0.3	241
1183215	SOIL	19/07/2011	378633	7026767	VAN11003580	1.2	201.6	14.2	46.4	0.07	14.4	21.1	20.4	0.2	97
1183216	SOIL	19/07/2011	378565	7026899	VAN11003580	1.9	231.6	8.8	49.8	0.06	14.5	17.6	21.7	0.1	70
1183217	SOIL	19/07/2011	378453	7026969	VAN11003580	1.9	400.1	46.5	97.7	0.06	26.7	62	48.5	0.3	171
1183218	SOIL	19/07/2011	378309	7026961	VAN11003580	0.5	26.3	2.2	15.1	0.03	5.4	6.6	2.8	0.1	29
1183219	SOIL	19/07/2011	378168	7027023	VAN11003580	0.7	237.3	11.5	68.1	0.04	13.1	18.7	11.3	0.2	92
1183220	SOIL	19/07/2011	378028	7027093	VAN11003580	1.3	603.6	37.3	152.4	0.06	34.9	42.3	25.5	0.3	261
1183221	SOIL	19/07/2011	377934	7027386	VAN11003580	1	143.9	9.4	55.8	0.05	19	23.3	10.7	0.2	104
1183222	SOIL	19/07/2011	377934	7027386	VAN11003580	0.4	185.7	11.7	61.5	0.04	25.3	11.8	10.1	0.1	109
1183223	SOIL	19/07/2011	377852	7027575	VAN11003580	1.4	96.5	16.7	72.3	0.09	32.3	15.2	7.6	0.2	132
1183224	SOIL	19/07/2011	377716	7027637	VAN11003580	0.7	183.3	15.6	57	0.08	27.3	15.1	11.2	0.2	119
1183251	SOIL	25/07/2011	384762	7027475	VAN11003684	0.1	13.6	1.2	14.8	0.03	9.7	10.9	1.1	0.1	44
1183252	SOIL	25/07/2011	384803	7027358	VAN11003684	0.4	6.8	1.5	22.8	0.05	7.3	9.3	0.4	0.1	24
1183253	SOIL	25/07/2011	384818	7027231	VAN11003684	0.1	12.2	1.6	17.3	0.04	12.9	13.3	0.7	0.1	47
1183254	SOIL	25/07/2011	384802	7027106	VAN11003684	0.2	9.3	0.9	16	0.02	10	9.9	0.8	0.1	41
1183255	SOIL	25/07/2011	384817	7026984	VAN11003684	0.3	13	3.7	20.3	0.03	6.9	12.8	0.8	0.1	34
1183256	SOIL	25/07/2011	384916	7026905	VAN11003684	0.2	15.3	8.3	68.3	0.04	21	13.6	2	0.1	73
1183257	SOIL	25/07/2011	385002	7026818	VAN11003684	0.1	1.3	2.2	15.3	0.03	3.3	2.9	0.2	0.1	11
1183258	SOIL	25/07/2011	385103	7026747	VAN11003684	0.6	10	4.5	25.1	0.03	4.4	4.9	0.7	0.1	16
1183259	SOIL	25/07/2011	385231	7026756	VAN11003684	0.2	7.1	3.6	35.8	0.03	7.9	5.2	0.7	0.1	36
1183260	SOIL	25/07/2011	385316	7026663	VAN11003684	0.1	10.8	5.8	59.4	0.01	10.6	7.4	1.2	0.1	57
1183261	SOIL	25/07/2011	385435	7026624	VAN11003684	0.1	13.4	4.7	28.1	0.02	11.1	9.1	1.3	0.1	65
1183262	SOIL	25/07/2011	385486	7026510	VAN11003684	0.5	11.3	5.5	97.7	0.05	21.4	20.3	1.6	0.1	157
1183263	SOIL	25/07/2011	385558	7026409	VAN11003684	0.1	0.7	1.4	6.8	0.01	2	1.7	0.2	0.1	7
1183264	SOIL	25/07/2011	385658	7026334	VAN11003684	0.5	18.4	1.9	27.6	0.03	10.6	10.6	1.3	0.1	52
1183265	SOIL	25/07/2011	385548	7026275	VAN11003684	0.2	0.5	1.8	4.1	0.01	1.5	1.1	0.1	0.1	8
1183266	SOIL	25/07/2011	385437	7026214	VAN11003684	0.6	14	2.3	40	0.04	16.5	17.4	1.5	0.1	132
1183267	SOIL	25/07/2011	385314	7026184	VAN11003684	0.4	16.9	5.7	67.7	0.04	27.8	20	2	0.1	141
1183268	SOIL	25/07/2011	385249	7026076	VAN11003684	0.2	0.6	1.2	13.6	0.04	5.6	3.4	0.1	0.1	22
1183269	SOIL	25/07/2011	385150	7025998	VAN11003684	0.9	14	10.3	78.2	0.16	37.8	32.4	1.5	0.2	117
1183270	SOIL	25/07/2011	385041	7025936	VAN11003684	0.2	11.2	2.4	30.4	0.02	27	12.8	1.3	0.1	119
1183271	SOIL	25/07/2011	384917	7025929	VAN11003684	0.3	5.2	1.6	6.9	0.04	3.2	4.2	0.4	0.1	20
1183272	SOIL	25/07/2011	384795	7025911	VAN11003684	0.2	31.8	1.9	12.3	0.01	6.8	6.8	1	0.1	43
1183273	SOIL	25/07/2011	384673	7025881	VAN11003684	1.8	22.3	4.9	26.5	0.16	66.3	16	2.9	0.1	250
1183274	SOIL	25/07/2011	384559	7025814	VAN11003684	0.3	9.2	0.5	12.9	0.02	26.1	15.6	0.9	0.1	91
1183275	SOIL	25/07/2011	384432	7025777	VAN11003684	0.4	2.3	0.6	9.8	0.05	9.4	5.2	0.6	0.1	43
1183276	SOIL	25/07/2011	384335	7025697	VAN11003684	0.3	16.8	0.5	14.1	0.02	7.5	8.9	0.9	0.1	39
1183277	SOIL	25/07/2011	384209	7025673	VAN11003684	0.7	1.7	1.2	7.5	0.03	1.5	5.1	0.3	0.1	6
1183278	SOIL	25/07/2011	384083	7025675	VAN11003684	0.6	17.9	1.7	15.8	0.02	6.6	13.5	1.6	0.1	30
1183279	SOIL	26/07/2011	385350	7022962	VAN11003684	0.5	2.8	2.2	38.7	0.09	21.3	4.4	0.8	0.1	49
1183280	SOIL	26/07/2011	385316	7022841	VAN11003684	0.1	10.2	1	18.7	0.05	43.7	6.7	1.6	0.5	258
1183281	SOIL	26/07/2011	385423	7022774	VAN11003684	0.2	5.4	0.5	36.2	0.11	48.5	2.8	1.5	0.2	89
1183282	SOIL	26/07/2011	385533	7022712	VAN11003684	0.1	3.5	1.2	19.3	0.1	27	2.7	1	0.2	75
1183283	SOIL	26/07/2011	385638	7022642	VAN11003684	0.1	2.1	0.5	19.3	0.08	22.8	1.9	0.9	0.1	46
1183284	SOIL	26/07/2011	385739	7022571	VAN11003684	0.1	1.2	0.5	9	0.05	9	2.2	0.5	0.1	29
1183285	SOIL	26/07/2011	385852	7022516	VAN11003684	0.2	5.6	0.5	33	0.09	39.2	5.1	1.8	0.2	122
1183286	SOIL	26/07/2011	385968	7022468	VAN11003684	0.4	11	1.7	31.9	0.11	38	7.9	2.1	0.2	208
1183287	SOIL	26/07/2011	386061	7022387	VAN11003684	0	0	0	0	0	0	0	0	0	0
1183288	SOIL	26/07/2011	386167	7022320	VAN11003684	0.6	6	0.9	29.7	0.05	22.7	7.8	1.1	0.1	88
1183289	SOIL	26/07/2011	386291	7022290	VAN11003684	0.3	12	0.8	30	0.1	64.3	6.9	1.9	0.4	298
1183290	SOIL	26/07/2011	386417	7022278	VAN11003684	0.1	21	0.5	20.6	0.02	87	5.9	7.8	1.3	495

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1183291	SOIL	26/07/2011	386539	7022315	VAN11003684	1.3	4.4	0.5	22.2	0.02	14.1	7.2	1.2	0.1	73
1183292	SOIL	26/07/2011	386653	7022363	VAN11003684	1.1	1.8	0.5	13.7	0.02	11.5	9.4	0.6	0.2	128
1183293	SOIL	26/07/2011	386769	7022448	VAN11003684	0.5	11.1	0.5	34.8	0.05	42.6	16.2	1.7	0.2	137
1183294	SOIL	26/07/2011	386893	7022444	VAN11003684	0.1	4.7	0.5	21.1	0.02	38.7	2.8	1.1	0.3	79
1183295	SOIL	26/07/2011	387017	7022456	VAN11003684	0.5	28	1.1	52.5	0.08	98.4	12.8	9.3	0.8	768
1183296	SOIL	26/07/2011	387141	7022478	VAN11003684	1.1	6.5	0.5	15.4	0.03	14.7	6.7	1	0.2	167
1183297	SOIL	26/07/2011	387262	7022521	VAN11003684	0.1	23.2	1.2	32	0.03	79.8	10.7	4.8	0.6	802
1183383	SOIL	25/07/2011	386153	7026916	VAN11003707	0.4	39.4	5.9	29	0.05	12.9	14.4	4.2	0.1	59
1183384	SOIL	25/07/2011	386188	7026793	VAN11003707	0.2	33.6	4.4	38.9	0.05	12.9	18.3	3.9	0.1	61
1183385	SOIL	25/07/2011	386213	7026672	VAN11003707	0.2	15.9	3.8	32.4	0.08	11.8	13.3	2	0.1	37
1183386	SOIL	25/07/2011	386214	7026539	VAN11003707	0.2	61.1	4.8	36.6	0.02	22.3	21.2	6.7	0.1	99
1183387	SOIL	25/07/2011	386214	7026414	VAN11003707	1	62.5	7.7	51.5	0.09	18.7	26.7	7.8	0.2	88
1183388	SOIL	25/07/2011	386186	7026278	VAN11003707	0.6	5	1.5	18.9	0.03	12.7	9	0.6	0.1	58
1183389	SOIL	25/07/2011	386194	7026155	VAN11003707	0.2	16.4	5.1	67.9	0.02	14.6	13.9	1.5	0.1	73
1183390	SOIL	25/07/2011	386102	7026022	VAN11003707	0.2	17.8	1.4	18.2	0.04	16.2	18	1.8	0.2	89
1183391	SOIL	25/07/2011	386042	7025905	VAN11003707	0.8	26.2	1.5	25.9	0.03	23.1	21.6	1.7	0.1	134
1183392	SOIL	25/07/2011	386003	7025780	VAN11003707	0.3	6.5	0.8	14.3	0.02	14.1	10.6	0.9	0.1	91
1183393	SOIL	25/07/2011	385882	7025741	VAN11003707	1.7	17	1.6	23.8	0.07	22.3	15.1	1.8	0.2	190
1183394	SOIL	25/07/2011	385748	7025754	VAN11003707	0.5	21.6	2.8	36	0.07	20.5	18.3	2.1	0.1	138
1183395	SOIL	25/07/2011	385646	7025678	VAN11003707	2.2	22.8	2.2	32.8	0.08	18.3	26.9	1.3	0.1	145
1183396	SOIL	25/07/2011	385537	7025608	VAN11003707	1.2	35.9	1.6	18.4	0.06	16.9	16.7	1	0.1	92
1183397	SOIL	25/07/2011	385408	7025523	VAN11003707	0.3	72	5.5	13.1	0.08	31.8	18.1	1.8	0.2	320
1183398	SOIL	25/07/2011	385294	7025444	VAN11003707	0.4	19.8	2.7	20.9	0.03	12.5	96.3	1.5	0.1	112
1183399	SOIL	25/07/2011	385187	7025382	VAN11003707	2.5	149.9	15.8	21.3	0.65	15.8	21.7	3.6	0.1	56
1183400	SOIL	25/07/2011	385008	7025293	VAN11003707	0.6	25.6	1	15.7	0.04	15.2	13.2	1.4	0.1	65
1183401	SOIL	25/07/2011	384907	7025187	VAN11003707	0.6	10.7	4.2	32	0.15	19.8	9.8	0.7	0.1	50
1183402	SOIL	25/07/2011	384819	7025047	VAN11003707	0.3	23.1	1.9	19.8	0.06	31.6	11.5	2.2	0.3	144
1183403	SOIL	25/07/2011	384807	7024903	VAN11003707	1.9	46.9	8	92.9	0.71	13.1	17	7	1.3	52
1183404	SOIL	25/07/2011	384706	7024857	VAN11003707	7	6	1.3	9.7	0.08	8.7	14.5	2.4	1.1	39
1183405	SOIL	26/07/2011	388101	7025056	VAN11003707	0.3	14.4	9.8	70	0.07	12.5	14.8	1.3	0.2	54
1183406	SOIL	26/07/2011	388211	7024998	VAN11003707	0.4	74.7	211.1	296.4	0.07	25	55.4	4.8	0.1	156
1183407	SOIL	26/07/2011	388254	7024863	VAN11003707	0.8	9.9	14.8	28.2	0.6	3.4	6.7	0.5	0.5	14
1183408	SOIL	26/07/2011	388368	7024804	VAN11003707	0.5	10.2	5.3	23.9	0.14	24	10.2	2	0.3	131
1183409	SOIL	26/07/2011	388454	7024715	VAN11003707	1.6	3.5	4	152.4	0.16	8.1	11.6	0.6	0.1	31
1183410	SOIL	26/07/2011	388544	7024613	VAN11003707	0.2	16.2	3.4	24.5	0.02	7.5	9	1.3	0.1	39
1183411	SOIL	26/07/2011	388636	7024492	VAN11003707	0.7	10.9	2.1	17	0.05	3.7	5.3	1.2	0.1	16
1183412	SOIL	26/07/2011	388751	7024413	VAN11003707	0.5	4.4	10.4	210.3	0.18	6.5	13.6	0.4	0.2	17
1183413	SOIL	26/07/2011	388873	7024360	VAN11003707	0.3	1.9	3.3	186.8	0.13	3.1	7.2	0.2	0.1	13
1183414	SOIL	26/07/2011	388973	7024274	VAN11003707	0.1	13.8	2.7	33.3	0.02	8.4	9.1	1.1	0.1	45
1183416	SOIL	26/07/2011	388953	7024141	VAN11003707	0.3	12.1	3.4	15	0.02	10.1	12.7	1	0.1	67
1183417	SOIL	26/07/2011	388832	7024159	VAN11003707	0.3	35.7	4.9	27.8	0.09	25.2	21.9	2.6	0.2	140
1183418	SOIL	26/07/2011	388708	7024202	VAN11003707	0.2	16.9	1.4	12.4	0.01	15.9	10.8	1.8	0.2	97
1183419	SOIL	26/07/2011	388592	7024278	VAN11003707	0.3	20	3	40	0.07	31.4	14.4	2.9	0.3	174
1183420	SOIL	26/07/2011	388516	7024138	VAN11003707	3.3	19.8	1.5	15.6	0.03	14.7	14.3	1.7	0.1	84
1183421	SOIL	26/07/2011	388531	7024002	VAN11003707	0.5	8.9	2.8	26.9	0.09	19.4	7.5	1.5	0.2	106
1183422	SOIL	26/07/2011	388448	7023891	VAN11003707	0.2	12.7	5.4	37.8	0.09	26.2	11.2	1.6	0.1	129
1183423	SOIL	26/07/2011	388415	7023750	VAN11003707	0.7	17.4	4.5	37.6	0.4	40.4	13.2	3.7	0.4	302
1183424	SOIL	26/07/2011	388399	7023618	VAN11003707	1	16.2	3.5	32.6	0.48	18.6	19.2	2.8	0.5	107
1183425	SOIL	26/07/2011	388361	7023475	VAN11003707	0.9	20.4	2.1	23.7	0.07	73.8	10.3	11.2	0.3	359
1183426	SOIL	26/07/2011	388266	7023388	VAN11003707	1	28.2	0.5	10.9	0.02	21.9	11.7	10.6	0.7	182
1183427	SOIL	26/07/2011	388144	7023325	VAN11003684	0.1	81.8	0.5	16.5	0.01	16.7	8.4	1.3	0.2	102
1183428	SOIL	26/07/2011	388042	7023237	VAN11003707	1.9	35.6	0.9	22.8	0.17	44.1	16.9	5.4	1.2	695
1183429	SOIL	26/07/2011	387933	7023165	VAN11003707	5.9	79.2	0.5	39	0.15	88.7	18.9	22	2.2	875
1183430	SOIL	26/07/2011	387835	7023083	VAN11003707	0.3	9.3	0.5	8.1	0.01	14.2	11	1.2	0.2	164

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

(Refer to digital version for full list)

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1183431	SOIL	26/07/2011	387709	7023019	VAN11003707	0.8	10.5	0.8	37	0.22	34	13.3	2.2	0.3	210
1183432	SOIL	26/07/2011	387621	7022920	VAN11003707	0.7	13.4	0.5	15.1	0.03	14.6	18.1	2.4	0.2	75
1183433	SOIL	26/07/2011	387573	7022805	VAN11003707	0.9	55.9	3.6	108.1	0.34	45.1	54.5	7.2	0.4	236
1183434	SOIL	26/07/2011	387459	7022704	VAN11003707	0.3	7.8	0.5	11.4	0.01	12.1	10.9	1	0.1	95
1183435	SOIL	26/07/2011	387392	7022590	VAN11003707	0.3	8.1	0.5	23.4	0.03	15.5	8	0.9	0.2	161
1183489	SOIL	25/07/2011	390063	7026926	VAN11003707	0.7	49	3.6	55.7	0.07	43.7	14.3	2.6	0.1	166
1183490	SOIL	25/07/2011	390133	7027032	VAN11003707	1.1	44.6	1.8	46.3	0.04	36.2	14.8	2.6	0.1	114
1183491	SOIL	25/07/2011	390190	7027148	VAN11003707	0.6	20.4	3.1	29.8	0.04	33.5	14.4	2.2	0.1	130
1183492	SOIL	25/07/2011	390146	7027263	VAN11003707	0.6	23.6	4.9	16.9	0.2	32.5	14.8	2.3	0.1	97
1183493	SOIL	25/07/2011	390043	7027352	VAN11003707	3.3	28.9	7.4	40.5	0.64	58.2	10.5	3	0.2	174
1183494	SOIL	25/07/2011	390055	7027475	VAN11003707	0.7	68.5	3.4	68	0.04	68.6	18.5	2.9	0.1	182
1183495	SOIL	25/07/2011	390034	7027604	VAN11003707	0.8	42.3	1.5	32.9	0.2	24.3	19.8	5	0.5	121
1183496	SOIL	25/07/2011	390045	7027729	VAN11003707	1.7	38.6	4.6	46.1	1.01	30.7	15.5	7.6	1	136
1183497	SOIL	25/07/2011	389951	7027814	VAN11003707	4.5	73.3	2.2	95.6	0.22	20.4	21.6	19.8	2.4	70
1183498	SOIL	25/07/2011	389918	7027936	VAN11003707	1.3	3.8	3.7	17.2	1.43	12	13.9	2.6	0.6	9
1183499	SOIL	25/07/2011	389917	7028054	VAN11003707	1.6	30.3	4.5	30	0.56	13.6	18.1	2.7	0.9	61
1183500	SOIL	25/07/2011	389926	7028197	VAN11003707	10.1	168.3	11.1	249	9.34	230.9	21.8	40.2	2.5	1008
1183501	SOIL	25/07/2011	389942	7028311	VAN11003707	0.7	41.9	18.4	123.3	0.24	96.5	22.8	5.2	0.4	558
1183502	SOIL	25/07/2011	390056	7028377	VAN11003707	0.5	33.7	5.5	108.5	0.07	42.3	17.2	4.3	0.2	278
1183503	SOIL	25/07/2011	390190	7028377	VAN11003707	0.4	28.7	3.4	88.6	0.05	30.5	11.8	4.5	0.2	160
1183504	SOIL	25/07/2011	390331	7028361	VAN11003707	0.4	13.3	3.9	44.5	0.16	38.3	12	2.3	0.2	122
1183505	SOIL	25/07/2011	390451	7028428	VAN11003707	0.3	25.5	7.4	75.8	0.09	45.3	14.7	5.8	0.2	242
1183506	SOIL	25/07/2011	390454	7028568	VAN11003707	0.3	26	15.1	123.3	0.11	50	13.2	5.5	0.2	224
1183507	SOIL	25/07/2011	390386	7028705	VAN11003707	0.5	18.5	8	69.6	0.13	31	10	2.9	0.2	147
1183508	SOIL	25/07/2011	390296	7028824	VAN11003834	1.4	23	6.5	70.7	0.17	53.9	21.1	5.9	0.3	376
1183509	SOIL	25/07/2011	390254	7028963	VAN11003684	0.9	21.3	4.8	40.4	0.14	37.1	15.2	3.7	0.3	172
1183511	SOIL	26/07/2011	391944	7027846	VAN11003834	0.3	16.7	1.9	74	0.05	32.4	16	3.7	0.2	211
1183512	SOIL	26/07/2011	391874	7027822	VAN11003834	0.1	55.9	2.9	72.5	0.04	30.8	15.4	2.3	0.1	151
1183513	SOIL	26/07/2011	391745	7027794	VAN11003834	1.1	8.2	2	35.3	0.08	24.1	13.3	1.4	0.1	70
1183514	SOIL	26/07/2011	391628	7027745	VAN11003834	0.3	23.4	0.8	64	0.04	40.4	9.2	3.5	0.1	173
1183515	SOIL	26/07/2011	391529	7027677	VAN11003834	0.3	197.9	8.9	220.8	0.1	63.1	19.3	11	0.1	176
1183516	SOIL	26/07/2011	391399	7027644	VAN11003834	1	31.8	7.1	68.8	0.71	142.6	26.6	3.6	0.3	507
1183517	SOIL	26/07/2011	391286	7027608	VAN11003834	0.3	16	36.8	249.4	0.16	30	18.5	2.4	0.2	1378
1183518	SOIL	26/07/2011	391189	7027690	VAN11003834	0.2	22.6	1.3	41	0.02	28	21	3.1	0.2	149
1183519	SOIL	26/07/2011	391218	7027814	VAN11003834	0.3	37.5	6.2	64.9	0.06	36.6	19.3	6.2	0.2	204
1183520	SOIL	26/07/2011	391299	7027913	VAN11003834	0.8	41.6	10.4	79.6	0.15	45.9	19.3	6.1	0.2	224
1183521	SOIL	26/07/2011	391399	7027997	VAN11003834	0.6	29.4	9.1	69.8	0.23	37.6	16	5.2	0.2	182
1183522	SOIL	26/07/2011	391341	7028112	VAN11003834	0.7	20.5	11.6	56	0.3	38.4	12	2.5	0.2	148
1183523	SOIL	26/07/2011	391226	7028173	VAN11004076	1.3	19.9	11.7	83.6	0.26	35.7	8.7	3.6	0.2	242
1183524	SOIL	26/07/2011	391102	7028220	VAN11003834	0.2	41.8	11.5	189.7	0.04	58	16.6	5.1	0.2	302
1183525	SOIL	26/07/2011	390992	7028284	VAN11003834	0.4	18.1	5.1	50.8	0.11	24.9	12.4	2.5	0.1	158
1183526	SOIL	26/07/2011	391017	7028430	VAN11003834	0.8	26.7	13.5	142.7	0.17	67.1	16.8	7.5	0.4	471
1183527	SOIL	26/07/2011	390943	7028523	VAN11003834	0.5	17.4	11	99	0.18	43.1	12.5	3.7	0.2	264
1183528	SOIL	26/07/2011	390920	7028651	VAN11003834	0.1	15.9	4.3	76.1	0.02	34	11.7	2.3	0.1	118
1183529	SOIL	26/07/2011	390837	7028751	VAN11003834	0.3	65.3	4.8	68.7	0.05	66.8	21	4.9	0.2	354
1183530	SOIL	26/07/2011	390719	7028811	VAN11003834	0.2	19.2	2.6	52.9	0.05	31.8	16	2.9	0.2	159
1183531	SOIL	26/07/2011	390592	7028826	VAN11003834	2.4	15.1	28.9	272.7	0.52	78.8	15.9	5.5	0.3	452
1183532	SOIL	26/07/2011	390469	7028892	VAN11003834	0.2	22.5	6.9	178.1	0.04	81.6	12.6	2.4	0.1	167
1183533	SOIL	26/07/2011	390340	7028987	VAN11003834	1.4	35.9	7.3	94.1	0.28	80.7	27.3	4.9	0.4	294
1183701	SOIL	20/08/2011	389453	7029156	VAN11004557	0.1	5.2	0.5	15.2	0.01	8.1	3	0.7	0.1	28
1183702	SOIL	20/08/2011	389439	7029052	VAN11004557	8.6	13.7	7.5	65.6	1.07	18.8	7.6	3	0.6	91
1183703	SOIL	20/08/2011	389397	7028963	VAN11004557	5.6	73.8	18.4	124.6	4.05	230.5	8.6	25.5	1.1	1871
1183704	SOIL	20/08/2011	389423	7028866	VAN11004557	2	98.9	6.7	191.7	2.03	336	13.3	32.4	1.1	2023
1183705	SOIL	20/08/2011	389457	7028769	VAN11004557	0.9	19.8	0.7	46.6	0.66	90.7	5	8.1	0.1	250

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.



## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag PPM	As PPM	Au PPB	Cu PPM	Hg PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1183706	SOIL	20/08/2011	389492	7028670	VAN11004557	14.8	94.6	5.8	70.7	11.76	25.1	40.6	41	10.2	104
1183707	SOIL	20/08/2011	389405	7028617	VAN11004557	0.6	9.4	0.5	22.6	1.34	22	21.1	6.2	0.5	4
1183708	SOIL	20/08/2011	389340	7028519	VAN11004557	0.7	10.7	0.5	32.7	2.74	9.5	27.7	15.9	1.1	3
1183709	SOIL	20/08/2011	389331	7028418	VAN11004557	1.3	106.2	12.9	68.4	0.57	31.1	22.3	9.3	0.3	105
1183710	SOIL	20/08/2011	389390	7028312	VAN11004557	1	51.4	2.6	22.9	0.29	20.9	20.3	3.3	0.2	72
1183711	SOIL	20/08/2011	389310	7028251	VAN11004557	2.2	144.4	7	43.5	1.19	49.7	32.1	10.5	1.1	218
1183712	SOIL	20/08/2011	389268	7028160	VAN11004557	0.7	182.7	14.6	39.3	0.15	45.6	12.6	6	0.1	264
1183713	SOIL	20/08/2011	389229	7028071	VAN11004557	0.6	40.5	2.1	53.4	0.06	45.8	20.3	1.9	0.2	195
1183714	SOIL	20/08/2011	389195	7027977	VAN11004557	1	134.5	14.1	89.7	0.34	54.9	23.2	8.3	0.2	178
1183715	SOIL	20/08/2011	389157	7027880	VAN11004557	0.7	116.9	31.2	112.3	0.22	57.2	46.3	5.4	0.2	166
1183716	SOIL	20/08/2011	389127	7027779	VAN11004557	1.1	60.9	44.9	306.7	1.36	87.2	39.1	5.4	0.1	231
1183717	SOIL	20/08/2011	389050	7027698	VAN11004557	0.9	26.4	13.4	123	0.15	90.9	40	2.9	0.1	261
1183718	SOIL	20/08/2011	388971	7027630	VAN11004557	0.9	32.8	4.5	52.4	0.33	47.7	13.2	4.9	0.2	157
1183719	SOIL	20/08/2011	388881	7027564	VAN11004557	0.6	66.6	17.2	112.6	0.15	58.1	39.3	6	0.4	172
1183720	SOIL	20/08/2011	388778	7027564	VAN11004557	1.4	1364.9	158.6	185.2	0.61	51.2	37.6	67.3	0.5	160
1183721	SOIL	20/08/2011	388675	7027546	VAN11004557	1.7	136.3	50	105.7	0.94	196.1	21.4	55.8	0.9	347
1184195	SOIL	16/07/2011	366740	7035026	VAN11003580	2.9	9.5	2.6	13	0.13	7.3	9.8	1.6	0.1	36
1184196	SOIL	16/07/2011	366603	7034961	VAN11003580	1.3	29.5	2.7	13.7	0.19	9.5	14.7	3	0.3	47
1184197	SOIL	16/07/2011	366357	7034907	VAN11003580	0.9	18.3	6.6	28.7	0.13	23.1	10.4	3.1	0.2	102
1184198	SOIL	16/07/2011	366216	7034850	VAN11003580	0.2	14.2	1.1	8.7	0.03	6.9	8.7	1	0.2	31
1184199	SOIL	16/07/2011	366074	7034737	VAN11003580	0.3	10.2	1.4	14.3	0.04	7.4	9.3	1.7	0.1	42
1185567	SOIL	02/09/2011	378696	7027375	VAN11004726	0.8	187.1	29.7	154.3	0.07	38.9	16.6	20.8	0.2	125
1185568	SOIL	02/09/2011	378664	7027417	VAN11004726	0.6	229.5	23	128.9	0.06	35.8	15.1	7.3	0.3	99
1185569	SOIL	02/09/2011	378617	7027435	VAN11004726	0.9	225.3	28.9	187.6	0.06	58.2	9.1	6.5	0.3	163
1185570	SOIL	02/09/2011	378573	7027412	VAN11004726	1.3	225.3	38.4	140.8	0.04	65.1	19.9	44.9	0.2	196
1185571	SOIL	02/09/2011	378524	7027405	VAN11004726	0.7	161	31.6	69.1	0.03	194.1	14.4	5	0.2	687
1185572	SOIL	02/09/2011	378481	7027343	VAN11004726	0.8	418.6	55.9	87	0.02	95.5	24.4	51.2	0.1	309
1185573	SOIL	02/09/2011	378491	7026803	VAN11004726	3.3	1268.1	142.6	172.3	0.14	34.9	76.5	42.3	0.3	318
1185574	SOIL	02/09/2011	378526	7026761	VAN11004726	1	216.8	15.9	75	0.05	22.9	24.5	30.7	0.2	139
1185575	SOIL	02/09/2011	378559	7026718	VAN11004726	2.3	93.8	14.7	70.8	0.07	11.6	22	13.9	0.1	84
1185576	SOIL	02/09/2011	378606	7026696	VAN11004726	2.2	54.7	6.4	40	0.07	7.7	11.1	8.4	0.1	47
1185577	SOIL	02/09/2011	378657	7026664	VAN11004726	5.3	152.7	11.7	73.2	0.18	27	36	23	0.2	54
1185578	SOIL	02/09/2011	378706	7026657	VAN11004726	1.1	111.8	14.8	81.6	0.05	14.7	21.2	15.5	0.1	106
1185579	SOIL	02/09/2011	378756	7026653	VAN11004726	2.6	170.9	42.2	93.8	0.07	28.2	26.8	24.6	0.2	169
1185580	SOIL	02/09/2011	378804	7026652	VAN11004726	2.9	229.2	48.5	130.3	0.09	29.7	28.8	29	0.2	165
1185581	SOIL	02/09/2011	378855	7026662	VAN11004726	1	153.8	10.6	73.5	0.08	20.1	21.7	18.5	0.1	124
1185582	SOIL	02/09/2011	378900	7026685	VAN11004726	1.6	190.6	10.7	49.3	0.04	18.1	23.3	29.5	0.2	105
1185583	SOIL	02/09/2011	378941	7026711	VAN11004726	0.7	168.4	9.2	43.8	0.04	18.9	16.2	27	0.2	120
1185584	SOIL	02/09/2011	378978	7026727	VAN11004726	1.4	334.6	27.7	102.7	0.05	28	21.1	52.6	0.2	180
1185585	SOIL	09/09/2011	379521	7026813	WHI11001430	1.9	535.8	148.9	119.2	0.14	28.1	57.2	32.8	0.3	168
1185586	SOIL	09/09/2011	379496	7026820	WHI11001430	0	0	0	0	0	0	0	0	0	0
1185587	SOIL	09/09/2011	379469	7026816	WHI11001430	5.6	286.7	61.1	233.9	0.2	43.4	21.1	17.1	0.7	151
1185588	SOIL	09/09/2011	379444	7026822	WHI11001430	1.6	296.5	86.4	314.3	0.1	82.9	33.1	29.6	0.6	226
1185589	SOIL	09/09/2011	379424	7026836	WHI11001430	2.9	488.8	118.5	291.8	0.11	66.6	29	55.1	0.4	198
1185590	SOIL	09/09/2011	379408	7026858	WHI11001430	2.8	311.3	37	165.1	0.13	14.5	16.8	122.6	0.2	73
1185591	SOIL	09/09/2011	379393	7026879	WHI11001430	3	537.9	42.5	168.3	0.09	33.1	23.3	233.6	0.3	122
1185592	SOIL	09/09/2011	379375	7026898	WHI11001430	1.2	957	83.8	267.7	0.05	52.1	29.8	250.5	0.4	189
1185593	SOIL	09/09/2011	379370	7026922	WHI11001430	0.9	95.4	4.9	33.3	0.04	6.9	8	21.8	0.1	33
1185594	SOIL	09/09/2011	379377	7026949	WHI11001430	2.6	211.9	19.7	48.6	0.09	9.6	8.9	23.1	0.1	33
1185595	SOIL	09/09/2011	379376	7026976	WHI11001430	0.6	145.3	19	59	0.05	14.7	24.4	18.7	0.1	76
1185596	SOIL	09/09/2011	379360	7026996	WHI11001430	0.4	50.7	3.2	19.8	0.03	5.8	6.4	4.8	0.1	31
1185597	SOIL	09/09/2011	379336	7027006	WHI11001430	0.8	177.6	23.5	78.9	0.13	26.3	17.5	19.6	0.1	122
1185598	SOIL	09/09/2011	379314	7027018	WHI11001430	1.7	93.3	15.4	88	0.11	14.6	10.1	8.9	0.1	59
1185599	SOIL	09/09/2011	379304	7027043	WHI11001430	0.6	75.2	7.2	41.3	0.07	70.1	8.6	4.4	0.1	319

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.



## APPENDIX C

## 2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture

(Refer to digital version for full list)

## Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag PPM	As PPM	Au PPB	Cu PPM	Hg PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1185600	SOIL	09/09/2011	379294	7027068	WHI11001430	0.6	49.6	3.5	20.5	0.09	9.1	5.4	3.7	0.2	36
1185605	SILT	08/09/2011	379860	7026521	WHI11001431	0.7	885.1	36.2	49.3	0.06	22.4	19.1	13.1	0.3	183
1185606	SOIL	08/09/2011	373915	7030416	WHI11001431	4.2	97.6	12.8	99.2	0.75	19.9	31.6	38.4	2	87
1185607	SOIL	08/09/2011	373914	7030380	WHI11001431	1.8	48.5	6.7	91.9	0.27	84.3	12.4	22.5	0.9	737
1185608	SOIL	10/09/2011	365420	7036088	WHI11001430	1.2	13.6	10.3	74.8	0.31	64.1	20.8	1.7	0.1	160
1185609	SOIL	10/09/2011	365341	7036024	WHI11001430	0.4	47.6	33	74.7	0.08	84.9	28.4	3.4	0.1	276
1185610	SOIL	10/09/2011	365267	7035956	WHI11001430	0.7	15	6.5	107.2	0.07	35.4	25.2	1.5	0.1	151
1185611	SOIL	10/09/2011	365194	7035888	WHI11001430	1.1	30.2	18.7	68.4	0.08	43.6	26.5	2.5	0.1	168
1185612	SOIL	10/09/2011	365130	7035816	WHI11001430	0.6	24.7	8.3	39.2	0.06	30	20.1	3.2	0.2	106
1185613	SOIL	10/09/2011	365072	7035728	WHI11001430	2	41.4	4.8	26.8	0.02	14.8	23.3	6.3	0.2	69
1185614	SOIL	10/09/2011	365017	7035632	WHI11001430	1.4	20.7	6.9	26.3	0.04	15.4	27.2	3.9	0.2	65
1185615	SOIL	10/09/2011	364955	7035549	WHI11001430	0.6	3.9	2.6	8.4	0.3	2.1	14.1	2.6	0.1	6
1185616	SOIL	10/09/2011	364876	7035490	WHI11001430	14.2	81.6	37.7	7.2	6.88	2.7	186	37	1	11
1185617	SOIL	10/09/2011	364773	7035468	WHI11001430	11.8	34.6	5.4	18.2	1.94	16.6	114.7	13.8	0.6	58
1185618	SOIL	10/09/2011	364675	7035423	WHI11001430	20.2	137.5	20.3	39	3.98	17.8	56.2	20.5	2.1	61
1185619	SOIL	10/09/2011	364584	7035372	WHI11001430	8.5	48.1	10.6	42.3	0.46	20.9	25.6	11.2	0.6	94
1185620	SOIL	10/09/2011	364534	7035355	WHI11001430	17.8	49.3	13.1	30.3	0.73	16.7	31.2	14.5	0.8	66
1185621	SOIL	10/09/2011	364479	7035356	WHI11001430	22.7	20.8	2.9	11.9	0.2	9.5	25.5	3.1	0.5	39
1185622	SOIL	10/09/2011	364430	7035344	WHI11001430	6.7	22.4	3.2	18.3	0.36	11.7	30.1	7.2	0.3	55
1185623	SOIL	10/09/2011	364381	7035361	WHI11001430	6.5	33	9.6	27.7	0.34	20.6	44	13.4	0.6	95
1185624	SOIL	10/09/2011	364181	7035499	WHI11001430	1.4	21.3	2.3	57.3	0.03	44.3	23.3	8.4	0.3	259
1185625	SOIL	10/09/2011	364199	7035603	WHI11001430	2.8	55.2	12.1	61.2	0.2	35.7	26.8	7.6	0.4	169
1185626	SOIL	10/09/2011	364174	7035707	WHI11001430	1.8	35.6	13.1	64	0.46	35.2	24.8	5.3	0.3	142
1185627	SOIL	10/09/2011	364179	7035816	WHI11001430	1.7	31.1	10.1	72.9	0.26	32.2	20.5	4.8	0.2	150
1185628	SOIL	10/09/2011	364202	7035912	WHI11001430	2.2	27.5	8.6	277.6	0.3	57	32.5	1.5	0.2	212
1185629	SOIL	10/09/2011	364275	7035992	WHI11001430	1	32	5.2	31.5	0.18	20.7	24.3	4.3	0.2	118
1185630	SOIL	10/09/2011	364287	7036090	WHI11001430	1.1	21.9	13	81.1	0.23	46.3	19.4	4.3	0.2	297
1185631	SOIL	10/09/2011	364303	7036191	WHI11001430	1.2	24	7.8	98.9	0.06	62.7	24.1	3.2	0.1	280
1185632	SOIL	10/09/2011	364308	7036291	WHI11001430	1.1	25.8	11.1	61.8	0.05	37.6	27.2	4.4	0.2	215
1185633	SOIL	10/09/2011	364301	7036395	WHI11001430	3.5	48	6.9	38.7	0.12	16.4	59.5	9.9	0.5	69
1185634	SOIL	10/09/2011	364338	7036504	WHI11001430	1.3	22.2	5.3	35.7	0.17	17.7	47.8	6	0.3	66
1185635	SOIL	10/09/2011	364313	7036606	WHI11001430	5.8	20.4	7.8	36.1	0.22	25.7	24.3	3	0.2	119
1185636	SOIL	10/09/2011	364339	7036701	WHI11001430	0.8	17.6	2.7	32.4	0.03	20.3	30.6	3.4	0.2	77
1185637	SOIL	10/09/2011	364387	7036797	WHI11001430	2.6	29.3	15.1	53.8	0.61	30.8	36.6	6.7	0.3	118
1185638	SOIL	10/09/2011	364446	7036877	WHI11001430	1	33.3	17.4	36.3	0.1	22.6	49	6.5	0.3	86
1185639	SOIL	10/09/2011	364540	7036923	WHI11001430	1	16.2	2.5	37.4	0.06	12	16.1	2.7	0.2	54
1185640	SOIL	10/09/2011	364622	7036993	WHI11001430	1.1	15.7	6.4	35	0.43	13.3	21.8	2.5	0.2	48
1185641	SOIL	10/09/2011	364704	7037060	WHI11001430	0.6	25.6	11.4	42.7	0.22	21.8	17.5	3.4	0.1	79
1185879	SOIL	24/07/2011	380675	7028623	VAN11003684	0.7	435.7	74.2	44.9	0.04	15.7	37	16.7	0.3	96
1185880	SOIL	24/07/2011	380793	7028628	VAN11003684	0.3	308	36.5	131.2	0.01	15.6	37.4	12.7	0.1	90
1185881	SOIL	24/07/2011	380911	7028575	VAN11003684	0.3	54.9	5.9	64.8	0.02	15.1	14.6	2.8	0.3	60
1185882	SOIL	24/07/2011	381025	7028530	VAN11003684	0.5	260.9	73.6	180.9	0.02	53	23.1	9.2	0.4	159
1185883	SOIL	24/07/2011	381089	7028429	VAN11003684	0.7	456.6	62.3	159.5	0.02	47.3	12.5	7.6	0.2	153
1185884	SOIL	24/07/2011	381183	7028340	VAN11003684	0.6	161.8	17.6	94.8	0.04	51.1	14	27.2	0.2	137
1185885	SOIL	24/07/2011	381203	7028201	VAN11003684	0.3	120.9	31	215.3	0.02	71	19.3	10	0.2	227
1185886	SOIL	24/07/2011	381226	7028086	VAN11003684	0.5	36.1	13.8	118.5	0.02	103.5	15.1	3.7	0.2	188
1185887	SOIL	24/07/2011	381223	7027948	VAN11003684	0.3	58.8	10	107.3	0.03	74.5	16.4	7.7	0.4	168
1185888	SOIL	24/07/2011	381228	7027817	VAN11003707	0.5	76.9	9.2	102.2	0.04	56	12.1	11.1	0.5	150
1185889	SOIL	24/07/2011	381191	7027696	VAN11003707	0.2	39.9	4.8	49.6	0.05	20.2	10.9	4.2	0.2	57
1185890	SOIL	24/07/2011	381180	7027573	VAN11003707	0.7	185.8	8.6	73.6	0.04	22.9	11.2	19	0.6	73
1185891	SOIL	24/07/2011	381138	7027451	VAN11003707	0.4	112.2	9.5	68.4	0.04	34.2	18.2	10.5	0.3	111
1186153	SOIL	16/07/2011	366894	7035100	VAN11003707	0.2	28.2	2.1	30.4	0.05	17.4	19	4	0.2	78
1186154	SOIL	16/07/2011	367045	7035130	VAN11003580	0.3	16.8	3	16.3	0.04	8.8	8.3	1.8	0.2	45
1186155	SOIL	16/07/2011	367210	7035142	VAN11003580	0.8	17.7	2.4	16.3	0.21	11.8	13.9	2.3	0.2	59

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1186156	SOIL	16/07/2011	367359	7035119	VAN11003580	3.4	22.1	3.5	33.7	0.22	16.9	13.7	2.8	0.2	74
1186157	SOIL	16/07/2011	367428	7035077	VAN11003580	2.1	13.9	2.3	25.6	0.07	10.3	15.9	5.2	0.3	74
1186158	SOIL	16/07/2011	367508	7035206	VAN11003580	0.4	16.4	3.7	28.5	0.08	23.7	15.5	3	0.1	96
1186159	SOIL	16/07/2011	367437	7035318	VAN11003580	0.2	23.4	5	61.2	0.09	25.6	23.8	2.2	0.1	82
1186160	SOIL	16/07/2011	367274	7035366	VAN11003580	0.4	15.8	5.1	37	0.12	16.8	11.3	1.4	0.1	67
1186161	SOIL	16/07/2011	367110	7035349	VAN11003580	1.4	22.2	23.6	41.6	0.87	23.9	25.2	2.4	0.2	74
1186162	SOIL	16/07/2011	366963	7035394	VAN11003580	0.4	27.5	5.3	40.1	0.07	20.6	12.4	2.7	0.1	78
1186163	SOIL	16/07/2011	366853	7035502	VAN11003580	0.9	41.4	32.7	46.7	0.12	32.8	18.9	3.2	0.1	102
1186164	SOIL	16/07/2011	366690	7035520	VAN11003580	0.7	24.4	14.3	55.4	0.05	33.5	18.8	2.9	0.1	111
1186165	SOIL	16/07/2011	366541	7035474	VAN11003580	0.4	26.3	1.5	33.5	0.02	19.2	15.5	3.3	0.1	94
1186166	SOIL	16/07/2011	366382	7035482	VAN11003580	0.7	27.1	6.1	29.9	0.03	15.7	12.8	2	0.1	70
1186167	SOIL	16/07/2011	366241	7035549	VAN11003580	0.6	9.7	2.4	25.6	0.03	9.6	8.2	1.2	0.1	42
1186168	SOIL	16/07/2011	366092	7035527	VAN11003580	0.9	23.6	9	47.8	0.08	26.9	12.3	3.8	0.1	123
1186169	SOIL	16/07/2011	365949	7035475	VAN11003580	0.8	18.4	8.8	39.5	0.13	23	10	3.8	0.2	94
1186170	SOIL	16/07/2011	365777	7035435	VAN11003580	0.9	8	4	38.4	0.11	17.5	7.4	1	0.1	61
1186171	SOIL	16/07/2011	365631	7035407	VAN11003580	0.7	15.4	7.5	52.9	0.19	33.9	13.3	2	0.2	116
1186172	SOIL	16/07/2011	365459	7035387	VAN11003580	0.7	26.5	1.9	32.4	0.04	21.5	18.3	3.1	0.1	96
1186173	SOIL	16/07/2011	365313	7035349	VAN11003580	0.9	8.2	2.5	29.5	0.08	9.4	10.1	0.9	0.1	40
1186174	SOIL	16/07/2011	365179	7035267	VAN11003580	4.6	16.6	1.4	18.6	0.08	7.9	23.8	5.9	0.5	42
1186175	SOIL	16/07/2011	365022	7035222	VAN11003580	5	36.1	5.8	11.8	0.2	8.7	44.8	7.5	0.5	40
1186176	SOIL	16/07/2011	364866	7035234	VAN11003580	11	78.8	16.4	15	1.17	11.2	38.6	13.9	0.5	49
1186177	SOIL	16/07/2011	364713	7035236	VAN11003580	17.6	63.8	5.2	17.8	0.67	11.1	26.9	10.4	0.6	47
1186178	SOIL	16/07/2011	364573	7035325	VAN11003580	11.5	59.2	13.4	31.4	0.63	18.8	29.4	11.4	0.7	67
1186179	SOIL	16/07/2011	364518	7035502	VAN11003580	12.2	184.9	25.9	23.2	0.79	10.8	86.5	30.3	2.1	48
1370020	SOIL	25/07/2011	380626	7026788	VAN11003707	0.9	179.7	69.1	44.9	0.04	24.7	26	9.5	0.4	131
1370021	SOIL	25/07/2011	380638	7026909	VAN11003707	0.2	241.4	11.4	18.5	0.02	4.6	28.2	15.3	0.2	18
1370022	SOIL	25/07/2011	380713	7026998	VAN11003707	3.3	592	28.6	83.1	0.07	5.1	37.5	43.3	0.8	19
1370023	SOIL	25/07/2011	380775	7027115	VAN11003707	0.6	57.8	6.5	44.8	0.05	29.5	12.1	4.1	0.2	88
1370024	SOIL	25/07/2011	380855	7027237	VAN11003707	0.5	161	10.3	53.2	0.06	31.9	18.5	12.5	0.4	105
1370025	SOIL	25/07/2011	380969	7027362	VAN11003707	0.5	145.1	18.8	67.1	0.02	39	14.8	8.6	0.3	114
1370026	SOIL	25/07/2011	381046	7027259	VAN11003707	0.2	68.2	14.9	41.9	0.03	31	12.9	4.2	0.2	88
1370027	SOIL	25/07/2011	381124	7027158	VAN11003707	2	477.5	24	105	0.06	10.7	38.7	30.5	0.9	53
1370028	SOIL	25/07/2011	381234	7027090	VAN11003707	0.9	324.9	23	95	0.06	28.7	21.1	24	0.5	91
1370029	SOIL	25/07/2011	381341	7027026	VAN11003707	3	574.4	78.4	44.9	0.08	4.8	39.9	36	0.6	24
1370030	SOIL	25/07/2011	381473	7027031	VAN11003707	1	451.3	40.6	60	0.07	23.9	20.8	14.7	0.2	88
1370031	SOIL	25/07/2011	381583	7027072	VAN11003707	2.3	209.2	19.4	82.2	0.05	26.5	19.3	13.1	0.2	85
1370032	SOIL	25/07/2011	381710	7027068	VAN11003707	0.6	125.6	8.7	55.9	0.04	27.1	16.6	8.1	0.2	118
1370033	SOIL	25/07/2011	381783	7027035	VAN11003707	1.6	563.1	28.5	88.4	0.05	23.5	27	17.1	0.1	103
1370034	SOIL	25/07/2011	382265	7026954	VAN11003707	0.6	63	4.6	33.5	0.1	32.6	16.6	3.5	0.1	121
1370035	SOIL	25/07/2011	382355	7026850	VAN11003707	1	104	25.5	37.5	0.17	38.2	12.3	3	0.1	93
1370036	SOIL	25/07/2011	382376	7026723	VAN11003707	1.4	63.7	6.2	73.2	0.17	110.8	26.4	2.8	0.2	273
1370037	SOIL	25/07/2011	382342	7026593	VAN11003707	0.6	102.4	5.6	58.9	0.04	32.5	21.3	5.2	0.2	106
1370038	SOIL	25/07/2011	382350	7026470	VAN11003707	1.2	62.4	5.4	29.9	0.26	16.1	22.2	6.1	0.3	48
1370039	SOIL	25/07/2011	382237	7026402	VAN11003707	0.6	418.1	23.8	53.5	0.13	34.4	32.4	24	0.2	105
1370040	SOIL	25/07/2011	382229	7026249	VAN11003707	0.8	15.1	1.3	16.4	0.04	9.9	9.1	3.9	0.1	49
1370041	SOIL	25/07/2011	382289	7026134	VAN11003707	0.3	43.7	2.1	27.3	0.03	18.4	17.9	4.8	0.2	102
1370042	SOIL	25/07/2011	382337	7026018	VAN11003707	0.6	31	1.4	27.9	0.04	19.2	21.3	6.7	0.2	117
1370043	SOIL	25/07/2011	382449	7025949	VAN11003707	0.2	15.9	0.7	19.7	0.01	16.7	10.9	2.1	0.1	99
1370044	SOIL	26/07/2011	382548	7026011	VAN11003707	3.2	30.3	4.4	17	0.23	8.5	51.9	11.2	0.3	33
1370045	SOIL	26/07/2011	382668	7025978	VAN11003707	0	0	0	0	0	0	0	0	0	0
1370046	SOIL	26/07/2011	382795	7025979	VAN11003707	1.7	38.7	4.5	51.5	0.18	44.8	33.6	9.5	0.4	156
1370047	SOIL	26/07/2011	382924	7025986	VAN11003707	1.4	17	1.8	20.1	0.11	6.9	9.3	0.6	0.1	31
1370048	SOIL	26/07/2011	383042	7026005	VAN11003707	3.3	123.3	4.5	44.9	0.04	16.5	18.5	10.3	0.2	80
1370049	SOIL	26/07/2011	383159	7025988	VAN11003707	2.4	139.2	12.9	29.1	0.23	18.4	16.2	5.9	0.1	60

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1370050	SOIL	26/07/2011	383231	7025891	VAN11003707	1.1	219	8.6	31.7	0.23	24	23.9	6.9	0.2	70
1370119	SOIL	25/07/2011	381303	7026280	VAN11003707	0.8	201	15.3	57.5	0.04	32.9	10.5	6.7	0.3	115
1370120	SOIL	25/07/2011	381154	7026246	VAN11003707	1.1	32.6	3.7	45.7	0.2	37.7	18.1	5.6	0.3	300
1370121	SOIL	25/07/2011	381034	7026172	VAN11003707	0.4	38.3	5.5	57.4	0.19	66.3	19.6	6.7	0.3	339
1370122	SOIL	25/07/2011	380947	7026060	VAN11003707	1	15.7	2.3	11.3	0.03	8	14.2	4.4	0.3	57
1370123	SOIL	25/07/2011	380802	7026021	VAN11003707	3.6	28.5	3.4	25.6	0.15	24.3	15.9	7.9	0.6	142
1370124	SOIL	25/07/2011	380655	7026015	VAN11003707	2.7	52.7	7.8	47.3	0.49	24.7	19.3	13.4	0.6	116
1370125	SOIL	25/07/2011	380494	7025972	VAN11003707	2.7	16	2.3	22.8	0.13	17	18.4	6.5	0.6	90
1370126	SOIL	25/07/2011	380351	7025975	VAN11003707	4.1	33.1	2.7	20.4	0.09	13.9	17.3	4.7	0.3	80
1370127	SOIL	25/07/2011	380207	7025994	VAN11003707	9.2	61.7	9	62.4	1.19	33.8	13.3	13.5	0.8	155
1370128	SOIL	25/07/2011	380057	7026013	VAN11003707	0.9	9.2	4.8	15.9	0.03	7.5	13.7	3.6	0.5	49
1370129	SOIL	25/07/2011	379918	7026057	VAN11003707	1.5	33	5	21	0.14	23.2	15.4	6.2	0.5	127
1370130	SOIL	25/07/2011	379709	7026200	VAN11003707	1.7	88.3	17.1	35.3	0.58	24	13	13.7	0.6	123
1370131	SOIL	25/07/2011	379659	7026179	VAN11003684	0.3	17.3	7.5	8	0.01	6	8.9	3.8	0.2	56
1370132	SOIL	25/07/2011	379525	7026139	VAN11003684	4.5	44.6	7	19.2	0.25	20	15.2	8.1	0.3	179
1370133	SOIL	25/07/2011	379387	7026122	VAN11003684	1.3	45.6	2	10.3	0.05	8.8	12.9	4.7	0.3	55
1370134	SOIL	25/07/2011	379225	7026128	VAN11003707	6.5	57.8	12.2	53.1	1.15	82.3	11.9	32.7	0.7	1188
1370135	SOIL	25/07/2011	379085	7026153	VAN11003707	1.5	74.5	2.8	22.5	0.06	16.8	20.3	12.3	0.4	98
1370136	SOIL	25/07/2011	378949	7026123	VAN11003707	6	95	7.7	22.6	0.26	23.7	21.4	10.1	0.4	177
1370137	SOIL	25/07/2011	378834	7026033	VAN11003707	3.2	75.9	4.9	17	0.09	21	21.9	10.2	0.3	145
1370138	SOIL	25/07/2011	378694	7025988	VAN11003684	3.8	60	3.1	17.1	0.1	16.1	16.8	6.5	0.3	116
1370139	SOIL	25/07/2011	378553	7025980	VAN11003684	1	41.6	9.1	28.7	0.03	39.7	17.2	5.1	0.3	217
1370140	SOIL	25/07/2011	378413	7025995	VAN11003684	0.8	73.7	0.6	14.2	0.03	22.5	24.9	5	0.3	156
1370141	SOIL	25/07/2011	378309	7026094	VAN11003684	1.5	69.1	6.6	66.9	0.19	63.1	14.1	12.6	0.7	354
1370142	SOIL	25/07/2011	378207	7025996	VAN11003684	1.6	51.5	8.1	55.6	0.41	42.1	14.4	7.9	0.4	257
1370143	SOIL	25/07/2011	378074	7025943	VAN11003684	0.8	49.6	9.5	53.4	0.25	55.7	11.4	8.6	0.3	337
1370144	SOIL	26/07/2011	386596	7030475	VAN11003707	1.2	87.3	7.2	37.2	0.28	22.8	28.3	7.9	0.8	114
1370145	SOIL	26/07/2011	386727	7030477	VAN11003707	3.2	40.2	5.4	43.3	1.09	32.4	19.1	11.3	1.3	190
1370146	SOIL	26/07/2011	386816	7030386	VAN11003707	0.2	21.9	1.9	20.7	0.03	23.4	14.7	1.7	0.2	86
1370147	SOIL	26/07/2011	386943	7030417	VAN11003707	8.2	64.1	10.4	78.2	3.24	44.8	13.3	30.5	2.4	367
1370148	SOIL	26/07/2011	387072	7030386	VAN11003707	7.6	93.9	11.7	154.5	4.16	82.1	11.6	30.5	2.7	385
1370149	SOIL	26/07/2011	387201	7030376	VAN11003707	1.6	32.7	3.4	45.6	0.2	56.5	13.3	8.4	0.8	304
1370150	SOIL	26/07/2011	387330	7030397	VAN11003707	0.2	11.4	1.7	32.4	0.06	41.8	8.9	3.9	0.3	367
1370243	SOIL	24/07/2011	386092	7029604	VAN11003684	1.3	188.7	28.5	57	0.17	12	16	41.9	0.8	59
1370244	SOIL	24/07/2011	386216	7029622	VAN11003684	4.3	93.6	11.6	212.4	1.22	98.7	20	26.1	1.6	363
1370245	SOIL	24/07/2011	386336	7029583	VAN11003684	2.8	122.4	24.2	137.7	0.45	91.3	21.3	40.9	1.4	453
1370246	SOIL	24/07/2011	386429	7029585	VAN11003684	0.4	154.2	20.9	132.5	0.12	32.3	19	7.6	0.5	150
1370247	SOIL	24/07/2011	386556	7029576	VAN11003684	0.7	52.2	8.9	94.3	0.15	54	19.6	3.4	0.2	196
1370248	SOIL	24/07/2011	386681	7029581	VAN11003707	0.4	257.2	26.1	47.1	0.13	30.2	18.1	4.9	0.2	120
1370249	SOIL	24/07/2011	386801	7029548	VAN11003707	0.4	59.6	32.2	66.8	0.19	14.7	41.4	4.7	0.2	87
1370250	SOIL	24/07/2011	386925	7029547	VAN11003707	0.6	43.3	8.6	89.3	0.29	48.9	15.7	2.1	0.1	198
1370251	SOIL	24/07/2011	387039	7029492	VAN11003707	0.2	105.6	9.1	45.3	0.11	40.2	26.7	4	0.2	144
1370252	SOIL	24/07/2011	387108	7029387	VAN11003707	0.4	111.1	19.3	82.5	0.19	86.5	29.7	5.4	0.3	238
1370253	SOIL	24/07/2011	387231	7029360	VAN11003707	0.9	116.5	5.8	58.1	0.21	54.8	13.6	5	0.5	196
1370254	SOIL	24/07/2011	387224	7029212	VAN11003707	0.8	296.8	98.1	97.4	0.18	20.6	52.3	23	0.5	88
1370255	SOIL	24/07/2011	387157	7029105	VAN11003707	1	28.9	6.4	38.8	1.14	15	18.1	5.1	1.4	42
1370256	SOIL	24/07/2011	387274	7029145	VAN11003707	0.5	177.1	37.1	155.8	0.11	27.6	49.5	23.8	0.4	96
1370257	SOIL	24/07/2011	387399	7029141	VAN11003707	0.3	76.9	34.2	159.7	0.04	23.7	32.6	6.2	0.2	126
1370258	SOIL	24/07/2011	387523	7029103	VAN11003707	0.3	66.5	39.5	165.2	0.03	28.6	34.9	4	0.3	109
1370259	SOIL	24/07/2011	387648	7029094	VAN11003707	0.7	28.3	43.9	229.9	0.12	80.4	45.2	3.1	0.3	191
1370260	SOIL	24/07/2011	387674	7029217	VAN11003707	1	99.6	15.5	40.4	0.14	10	19.7	5.7	0.5	43
1370261	SOIL	24/07/2011	387794	7029255	VAN11003707	1.4	20.7	9.1	87.6	0.46	122.5	22	2.7	0.3	270
1370262	SOIL	24/07/2011	387920	7029258	VAN11003707	0.8	81.4	43.3	118.2	0.26	74.6	30	3.4	0.2	170
1370263	SOIL	24/07/2011	388045	7029230	VAN11003707	0.8	162.6	28.8	142.5	0.14	105	49.8	6.1	0.3	278

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1370264	SOIL	24/07/2011	388162	7029273	VAN11003707	1.1	147.9	24.7	110	0.33	68.8	30.8	7.7	0.3	260
1370265	SOIL	24/07/2011	388229	7029381	VAN11003707	1.1	57.4	3.2	39.7	3.39	15.6	17.8	10.3	1.2	28
1370266	SOIL	24/07/2011	388325	7029462	VAN11003707	0.8	97	6.7	78.2	0.19	27.7	11.8	4.1	0.2	219
1370267	SOIL	24/07/2011	388447	7029483	VAN11003707	0.3	11.5	4.1	11.8	0.21	14.2	5.2	1.8	0.5	44
1370268	SOIL	24/07/2011	388576	7029492	VAN11003707	5.8	80.9	7.7	128.8	2.5	96.9	14.2	30.3	3.4	384
1370269	SOIL	24/07/2011	388700	7029502	VAN11003707	3.4	10.8	2.6	54.4	0.58	24.9	7.9	5.8	1.3	84
1370270	SOIL	24/07/2011	388821	7029497	VAN11003707	1.8	15.2	7.1	37.3	1.14	13.3	5.6	4.9	1.7	39
1370271	SOIL	24/07/2011	388948	7029500	VAN11003707	3.1	33.7	4.6	88.5	0.83	88.7	8.5	10.8	0.6	525
1370272	SOIL	24/07/2011	389071	7029514	VAN11003707	5.5	31.9	8.3	79.9	2.55	149	7	9	0.2	749
1370273	SOIL	24/07/2011	389194	7029473	VAN11003707	0.6	7.5	3.4	25	0.19	29.4	3	3.6	0.2	175
1370274	SOIL	24/07/2011	389286	7029389	VAN11003707	0.4	20.4	3.7	33	0.1	37.5	13.2	2.9	0.3	164
1370275	SOIL	24/07/2011	389298	7029367	VAN11003707	0.4	16	22.9	55.4	0.07	18.7	26.9	1.8	0.2	66
1370276	SOIL	24/07/2011	389416	7029318	VAN11003707	5.4	25.5	10	86.9	0.39	135.2	18	7.4	0.2	546
1370277	SOIL	24/07/2011	389534	7029274	VAN11003707	0.5	21	7	52.9	0.12	44	20.9	3.6	0.3	161
1370278	SOIL	24/07/2011	389656	7029249	VAN11003707	0.2	2.8	0.6	6	0.05	3.7	2.1	0.3	0.1	15
1370279	SOIL	24/07/2011	389745	7029339	VAN11003707	0.2	31.7	5.7	97.9	0.06	47	20.5	1.9	0.1	192
1370280	SOIL	24/07/2011	389846	7029421	VAN11003707	0.4	36.8	3.2	56.2	0.16	28.2	17.5	4.4	0.1	159
1370281	SOIL	24/07/2011	389947	7029493	VAN11003707	0.1	24.9	3.7	43.2	0.01	20.5	10.2	1.6	0.1	73
1370282	SOIL	24/07/2011	390073	7029482	VAN11003707	0.2	453.6	16.9	171.2	0.18	80.6	17.3	27.4	0.1	190
1370284	SOIL	25/07/2011	381370	7026271	VAN11003684	0.5	99.1	14.4	46.2	0.05	31.1	11	5.1	0.2	117
1370285	SOIL	25/07/2011	381275	7026187	VAN11003684	0.2	29	1.5	12	0.05	11.6	8.4	1.8	0.2	55
1370286	SOIL	25/07/2011	381190	7026097	VAN11003684	0.6	47.6	1.2	18	0.04	16.8	13.2	2.9	0.2	101
1370287	SOIL	25/07/2011	381103	7026006	VAN11003684	0.5	42.9	2.6	16.1	0.05	19.2	12	3.1	0.2	96
1370288	SOIL	25/07/2011	381178	7025907	VAN11003684	1.4	12.9	0.5	10.2	0.03	5.6	9.1	6.4	0.4	35
1370289	SOIL	25/07/2011	381279	7025829	VAN11003684	0.6	0.5	0.5	10.4	0.01	2.5	0.6	0.1	0.1	5
1370290	SOIL	25/07/2011	381381	7025756	VAN11003684	3.1	11.2	0.5	10.5	0.06	9.8	13.4	2.6	0.5	44
1370291	SOIL	25/07/2011	381475	7025668	VAN11003684	16.2	22.8	6	29.7	0.85	9.1	21.5	6.3	3.8	53
1370292	SOIL	25/07/2011	381566	7025581	VAN11003684	1.4	56.9	8.5	23	0.08	119.1	7.8	10.3	0.3	668
1370293	SOIL	25/07/2011	381656	7025492	VAN11003684	0.6	37.6	0.5	11.4	0.07	19.6	8.6	2.4	0.3	111
1370294	SOIL	25/07/2011	381727	7025388	VAN11003684	1.9	11.9	0.5	16.9	0.03	26.8	4.9	2.2	0.2	76
1370295	SOIL	25/07/2011	381817	7025300	VAN11003684	2.1	41.7	2.2	64.2	0.79	174.3	11.5	7.4	0.4	634
1370296	SOIL	25/07/2011	381847	7025161	VAN11003684	0.2	0.5	2.8	23.5	0.09	27.3	1.3	2.1	0.1	95
1370297	SOIL	25/07/2011	381970	7025119	VAN11003684	0.2	4	0.5	11.6	0.02	9.4	3.6	0.4	0.1	59
1370298	SOIL	25/07/2011	382068	7025040	VAN11003684	0.4	18	1.5	24.9	0.01	24.8	23.4	2.5	0.1	114
1370299	SOIL	25/07/2011	382184	7024989	VAN11003684	0.7	18.8	1.1	15.7	0.01	22.7	10.3	2.7	0.2	92
1370300	SOIL	25/07/2011	382304	7024941	VAN11003684	0.4	81.4	3.3	22.8	0.09	73	11.5	4.3	0.4	561
1370301	SOIL	25/07/2011	382394	7024852	VAN11003684	1	9.9	1.3	58.2	0.14	65.7	9.6	2.5	0.1	375
1370302	SOIL	25/07/2011	382484	7024763	VAN11003684	1.1	20.7	0.9	13.6	0.01	21.8	10.2	3.2	0.3	86
1370303	SOIL	25/07/2011	382547	7024654	VAN11003684	0.7	46	0.5	43.7	0.43	248	7.5	5	0.4	3077
1370304	SOIL	25/07/2011	382656	7024593	VAN11003684	1.7	29.7	0.5	14.6	0.02	61.6	9.7	13.3	4.2	657
1370305	SOIL	25/07/2011	382777	7024561	VAN11003684	1.2	15.2	0.5	11.3	0.03	39.7	12.3	8.6	3	197
1370306	SOIL	25/07/2011	382916	7024551	VAN11003684	2	20.6	3.7	57.9	0.13	45.4	29.6	5.5	0.2	268
1370307	SOIL	25/07/2011	383038	7024578	VAN11003684	1.8	0.9	0.5	10.6	0.03	3.3	1.7	0.3	0.1	14
1370308	SOIL	25/07/2011	383161	7024549	VAN11003684	0.7	45.7	2	28.3	0.04	78.9	19.7	11.1	0.6	373
1370309	SOIL	25/07/2011	383284	7024585	VAN11003684	0.4	10	0.7	20.8	0.01	23	11.3	2.6	0.2	128
1370310	SOIL	25/07/2011	383389	7024516	VAN11003684	0.9	12.5	0.5	9.6	0.01	35	8.3	4.2	0.8	150
1370311	SOIL	25/07/2011	383505	7024456	VAN11003684	1.1	23.3	0.5	13.4	0.06	46.9	24.9	9.4	2	243
1370312	SOIL	25/07/2011	383625	7024499	VAN11003684	0.4	37.4	0.5	33.5	0.01	36.7	22.8	5.6	0.2	158
1370313	SOIL	25/07/2011	383749	7024476	VAN11003684	0.2	2.5	0.5	7.6	0.01	4	1.7	0.6	0.1	21
1370314	SOIL	25/07/2011	383849	7024386	VAN11003684	0.9	24.1	3.8	84.4	0.34	91.7	23.3	4.8	0.2	343
1370315	SOIL	26/07/2011	386515	7022649	VAN11003684	0.7	26.5	0.5	38.3	0.23	98.2	8.7	7.3	1.5	1027
1370316	SOIL	26/07/2011	386640	7022627	VAN11003684	0.1	4.6	2	5.9	0.02	6.1	0.4	0.2	0.1	84
1370317	SOIL	26/07/2011	386765	7022641	VAN11003684	1	4.9	1.7	8	0.03	12.6	2.2	2.3	0.6	63
1370318	SOIL	26/07/2011	386888	7022669	VAN11003684	0.6	9.7	0.5	10.9	0.03	26.3	5.9	2.5	0.7	246

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

## 2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture

(Refer to digital version for full list)

## Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1370319	SOIL	26/07/2011	386997	7022732	VAN11003684	0.7	3.8	1.6	6.9	0.02	15.2	2.8	1.4	0.8	75
1370320	SOIL	26/07/2011	387123	7022745	VAN11003684	0.8	25.8	2.4	43	0.09	111	8.6	8.4	0.9	827
1370321	SOIL	26/07/2011	387232	7022807	VAN11003684	0.6	16.9	1.8	17.3	0.1	35.2	5.1	4.4	0.3	586
1370322	SOIL	26/07/2011	387343	7022870	VAN11003834	2.3	3.7	0.5	12.7	0.02	5.3	11.3	0.7	0.1	78
1370323	SOIL	26/07/2011	387393	7022986	VAN11003834	0.3	8.3	0.5	20.5	0.03	16.2	8.2	0.9	0.1	33
1370324	SOIL	26/07/2011	387397	7023112	VAN11003834	0.9	3.4	2.5	66.1	0.15	39.8	17.1	1.4	0.1	142
1370325	SOIL	26/07/2011	387518	7023141	VAN11003684	0.4	17.2	2.6	30.8	0.14	24.8	10.9	2.7	0.3	148
1370326	SOIL	26/07/2011	387608	7023189	VAN11003684	0.4	16.6	1.3	12.1	0.03	131.1	5.5	9.2	0.9	290
1370327	SOIL	26/07/2011	387683	7023257	VAN11003684	1.6	4.4	1	11.7	0.07	14.6	4	2	0.2	57
1370328	SOIL	26/07/2011	387744	7023336	VAN11003684	0.6	7.3	0.9	4.4	0.02	6.5	7.5	1.1	0.3	57
1370329	SOIL	26/07/2011	387764	7023435	VAN11003684	0.6	9.8	0.8	15.7	0.03	39.8	8	2.8	0.3	156
1370330	SOIL	26/07/2011	387737	7023532	VAN11003684	0.2	14.6	0.5	24	0.03	43.7	9.6	3.8	0.3	188
1370331	SOIL	26/07/2011	387736	7023632	VAN11003684	2.5	47.7	3.1	17.6	0.09	75.4	12.6	18.8	5.4	173
1370332	SOIL	26/07/2011	387761	7023731	VAN11003684	2.9	2.4	0.5	10.3	0.03	5.1	5.6	1.4	0.3	24
1370333	SOIL	26/07/2011	387781	7023856	VAN11003684	0.4	8.6	0.5	7.6	0.02	7.2	8.9	2	0.6	40
1370334	SOIL	26/07/2011	387750	7024000	VAN11003684	0.2	10	2.4	15.7	0.02	9.3	8.1	1.9	0.4	54
1370335	SOIL	26/07/2011	387931	7024990	VAN11003684	0.2	30.1	5.8	43.4	0.1	19.5	17.4	2.6	0.2	116
1370336	SOIL	26/07/2011	387800	7024945	VAN11003684	3.5	229.7	69.9	245.1	2.06	30.9	35.1	53.2	3	132
1370337	SOIL	26/07/2011	387677	7024918	VAN11003684	0.7	7.4	4	20.3	0.17	26.2	17.2	0.5	0.1	92
1370338	SOIL	26/07/2011	387561	7024961	VAN11003684	0.9	6.4	6.3	30.1	0.2	26.5	17.5	0.4	0.1	74
1370339	SOIL	26/07/2011	387427	7024982	VAN11003684	0.3	4.6	2.9	18.9	0.06	19.4	7.5	0.4	0.1	53
1370340	SOIL	26/07/2011	387313	7024929	VAN11003684	1	3.2	4.1	31.8	0.25	9.8	7.8	0.3	0.3	30
1370341	SOIL	26/07/2011	387228	7024838	VAN11003684	2.2	8	7.7	50	0.59	38.5	14.9	0.6	0.3	89
1370501	SOIL	26/07/2011	383323	7025820	VAN11003707	0.7	44.8	9.5	38.7	0.06	32.2	18.5	2	0.1	114
1370502	SOIL	26/07/2011	383434	7025782	VAN11003707	2.3	84.8	2.3	29.3	0.03	16	23.4	8.3	0.1	72
1370503	SOIL	26/07/2011	383534	7025803	VAN11003707	1.2	23.8	4.1	22.2	0.06	17.2	14.7	2.3	0.1	122
1370504	SOIL	26/07/2011	383694	7025802	VAN11003707	1.4	97.4	28.8	71.8	0.62	45.5	57.8	5.7	0.2	125
1370505	SOIL	26/07/2011	383802	7025717	VAN11003707	1.7	53.6	2.9	10.7	0.02	6.6	8.5	0.9	0.1	27
1370506	SOIL	26/07/2011	383926	7025679	VAN11003707	1.1	21.5	2.6	30.4	0.08	20.6	20.3	1.1	0.1	120
1370507	SOIL	26/07/2011	384667	7025339	VAN11003707	0.5	38.3	9.2	18.4	0.49	15.5	15.2	1.1	0.1	49
1370508	SOIL	26/07/2011	384694	7025213	VAN11003707	0.9	31.3	10.7	48.8	1.16	56.2	24.7	3.1	0.4	215
1370509	SOIL	26/07/2011	384723	7025087	VAN11003707	0.1	16.4	1	11.6	0.01	16.2	11.3	2.3	0.2	72
1370510	SOIL	26/07/2011	384753	7024948	VAN11003707	0.9	24.5	5.7	32	0.88	20.8	15.1	2.2	0.8	49
1370511	SOIL	26/07/2011	384731	7024809	VAN11003707	0.9	16.5	8.4	54.9	0.67	31.6	12	1.8	0.4	98
1370512	SILT	26/07/2011	384768	7024682	VAN11003707	1.3	48.5	1.9	64.7	0.54	251.1	10.6	11.8	0.6	1076
1370513	SOIL	26/07/2011	384810	7024585	VAN11003707	0.3	5.8	1.3	21.9	0.01	19.8	6.6	1.2	0.1	122
1370514	SOIL	26/07/2011	384801	7024439	VAN11003707	0.4	3.5	0.5	13.5	0.04	14.4	5.8	0.9	0.2	134
1370515	SOIL	26/07/2011	384698	7024374	VAN11003707	17	227.6	7.7	807.4	1.8	868.3	27.2	99.8	13.6	10000
1370701	SOIL	26/07/2011	387440	7030334	VAN11003707	6.6	22.7	5.6	93.3	1.62	73.6	7.3	6.7	0.9	544
1370702	SOIL	26/07/2011	387533	7030244	VAN11003707	1.7	24.5	3.8	46.1	0.33	45.4	9	6.1	0.7	255
1370703	SOIL	26/07/2011	387642	7030309	VAN11003707	1.5	34.3	9.3	111.6	0.42	119.2	13.1	7.4	0.6	603
1370704	SOIL	26/07/2011	387762	7030364	VAN11003707	2.2	42.5	7.7	82.2	0.56	98.2	10.9	8.1	0.5	545
1370705	SOIL	26/07/2011	387890	7030354	VAN11003707	1.7	34.7	6.4	73.1	1.21	128	13.1	7.4	0.7	672
1370706	SOIL	26/07/2011	387804	7030454	VAN11003707	0.8	24.3	4.1	47.9	0.13	41.3	7.9	3.9	0.3	240
1370707	SOIL	26/07/2011	387777	7030579	VAN11003707	0.9	22.5	4	40.2	0.18	41.9	11.3	4.2	0.4	226
1370708	SOIL	26/07/2011	387778	7030763	VAN11003707	3.2	35.8	5.4	103.6	0.3	90.2	10.7	8.5	0.7	520
1370709	SOIL	26/07/2011	387684	7030853	VAN11003707	3.9	58.2	7.7	158.3	0.8	137.6	10.9	15.7	0.6	822
1370710	SOIL	26/07/2011	387568	7030913	VAN11003707	3.1	60.5	7.6	89.1	0.28	129.1	14.3	7.3	0.4	733
1370711	SOIL	26/07/2011	387465	7030991	VAN11003707	3.3	33.4	9.2	148.8	0.72	187.1	10.8	11.2	0.5	1191
1370712	SOIL	26/07/2011	387351	7031057	VAN11003707	0	0	0	0	0	0	0	0	0	0
1370713	SOIL	26/07/2011	387226	7031094	VAN11003707	0	0	0	0	0	0	0	0	0	0
1370715	SOIL	26/07/2011	388360	7028543	VAN11003707	0.9	26.8	5.9	46.5	0.26	42.8	10.6	4.7	0.5	220
1370716	SOIL	26/07/2011	388261	7028457	VAN11003707	0.3	27.2	3.1	25.7	0.13	21.8	11.4	2.3	0.3	120
1370717	SOIL	26/07/2011	388188	7028347	VAN11003707	0.3	28.5	2.6	32	0.06	21.4	15.3	2.4	0.2	111

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

APPENDIX C  
(Refer to digital version for full list)

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag PPM	As PPM	Au PPB	Cu PPM	Hg PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1370718	SOIL	26/07/2011	388110	7028245	VAN11003707	0	0	0	0	0	0	0	0	0	0
1370719	SOIL	26/07/2011	388071	7028123	VAN11003707	0.2	77.6	10.2	25.7	0.04	23.1	12.2	3.1	0.1	102
1370720	SOIL	26/07/2011	388038	7027999	VAN11003707	1.7	56.1	20	51.8	0.57	56.5	14.7	2.7	0.1	121
1370721	SOIL	26/07/2011	387937	7027897	VAN11003707	0.5	68.6	17.9	32.6	0.08	22.4	9.3	6.3	0.3	77
1370722	SOIL	26/07/2011	387827	7027820	VAN11003707	0.8	37.2	25.7	39	0.23	26.9	8.9	8.2	0.2	97
1370723	SOIL	26/07/2011	387706	7027765	VAN11003707	0	0	0	0	0	0	0	0	0	0
1370725	SOIL	26/07/2011	387604	7027581	VAN11003707	0.2	32.1	4.6	21.3	0.04	18.9	14.3	3.2	0.1	66
1371331	SOIL	02/09/2011	379408	7027264	VAN11004726	0.5	77.4	9.5	51.5	0.04	43.4	10.3	8.1	0.1	98
1371332	SOIL	02/09/2011	379371	7027297	VAN11004726	0.8	135.4	8.8	46.4	0.05	27.4	10.3	26.5	0.1	70
1371333	SOIL	02/09/2011	379320	7027304	VAN11004726	0.4	226.2	47.3	50.2	0.03	55.6	12.9	14.7	0.1	154
1371334	SOIL	02/09/2011	379270	7027316	VAN11004726	0.2	121.2	7.9	35.5	0.04	29	12.9	14.1	0.2	60
1371335	SOIL	02/09/2011	379241	7027356	VAN11004726	0.7	101.8	23.3	42.8	0.06	16.6	9	36.1	0.1	64
1371336	SOIL	02/09/2011	379213	7027399	VAN11004726	0.8	1100.1	48.3	71.6	0.02	19.4	12.9	33.8	0.2	80
1371337	SOIL	02/09/2011	379186	7027442	VAN11004726	0.5	110.2	12.9	34.1	0.02	11.2	11	12.6	0.3	66
1371338	SOIL	02/09/2011	379138	7027455	VAN11004726	1	353.6	78.9	22.4	0.03	11.4	17	42.1	0.3	84
1371339	SOIL	02/09/2011	379108	7027421	VAN11004726	0.6	114	17.7	26.5	0.04	16.3	10.4	16.5	0.3	84
1371340	SOIL	02/09/2011	379089	7027375	VAN11004726	0.6	80.9	8.8	25.9	0.04	16.9	8.6	13.8	0.3	77
1371341	SOIL	02/09/2011	379037	7027367	VAN11004726	0.4	513.6	12	20.7	0.04	9.9	8.8	7.8	0.2	51
1371342	SOIL	02/09/2011	378997	7027337	VAN11004726	1.9	324.5	67.7	108.7	0.05	53.5	16.6	181	0.1	144
1371343	SOIL	02/09/2011	378959	7027304	VAN11004726	0.7	262.6	29.6	149.1	0.04	99.1	15.3	51.3	0.3	216
1371344	SOIL	02/09/2011	378924	7027250	VAN11004726	0.9	145.8	33.6	56.1	0.05	73.2	9.5	12.4	0.2	180
1371345	SOIL	02/09/2011	378881	7027225	VAN11004726	0.7	309.7	18.9	58.3	0.06	77.1	12.3	24.4	0.3	232
1371346	SOIL	02/09/2011	378853	7027181	VAN11004726	0.3	114.5	12.4	28.5	0.05	36.3	10.2	9.9	0.1	137
1371347	SOIL	02/09/2011	378804	7027186	VAN11004726	0.3	8.6	1.3	15.1	0.03	15.9	5.2	1.4	0.1	87
1371348	SOIL	02/09/2011	378767	7027225	VAN11004726	0.6	42	3.1	40.3	0.06	35.1	7.5	3.4	0.1	159
1371349	SOIL	02/09/2011	378743	7027286	VAN11004726	0.9	187.7	74.6	51	0.07	38.9	11.5	12.4	0.1	171
1371350	SOIL	02/09/2011	378718	7027332	VAN11004726	1.2	337.5	215.2	90.9	0.07	62.2	15.1	19.2	0.2	191
1374164	SOIL	19/08/2011	382201	7025699	VAN11004463	0.1	11.8	2.6	28	0.21	21.3	15.5	0.3	0.1	58
1374165	SOIL	19/08/2011	382201	7025699	VAN11004465	5.6	38.7	2.1	21.1	0.09	23.9	14.9	8.6	0.7	105
1374166	SOIL	19/08/2011	382133	7025776	VAN11004465	6.2	9.5	1	18	0.05	4.4	15.9	1.2	0.2	22
1374167	SOIL	19/08/2011	382088	7025866	VAN11004465	2.9	33.4	4	36.8	0.18	14.4	13.1	3.3	0.3	48
1374168	SOIL	19/08/2011	382023	7025947	VAN11004465	1	43.5	2.8	19.7	0.04	13.3	14.8	3.1	0.1	55
1374169	SOIL	19/08/2011	381939	7026002	VAN11004465	3.2	45.3	2.9	14.1	0.08	11.8	18.4	4.5	0.4	57
1374170	SOIL	19/08/2011	381848	7026048	VAN11004465	0.6	40.5	3	14.8	0.02	13.7	15.6	3.4	0.2	67
1374171	SOIL	19/08/2011	381758	7026090	VAN11004465	1.5	30	8.7	16.2	0.28	13.8	12.1	5	0.3	64
1374172	SOIL	19/08/2011	381684	7026160	VAN11004465	1	28.1	4.9	31.1	0.12	12.9	13.3	2.3	0.2	49
1374173	SOIL	19/08/2011	381612	7026230	VAN11004465	0.1	26.7	2.9	18.4	0.02	9.2	10.4	2.7	0.1	46
1374174	SOIL	19/08/2011	381617	7026330	VAN11004465	0.3	13.1	2.5	11.6	0.01	5.6	6.8	2.6	0.1	28
1374175	SOIL	19/08/2011	381566	7026416	VAN11004465	0.4	21.7	4.9	33.5	0.08	21.2	11.6	2.9	0.2	77
1374176	SOIL	19/08/2011	381604	7026508	VAN11004465	0.3	180.9	15	46.1	0.06	53.2	14.8	5.5	0.2	249
1374177	SOIL	19/08/2011	381628	7026608	VAN11004465	0.6	79.6	7.4	48.9	0.2	149.6	13.5	3.4	0.2	461
1374178	SOIL	19/08/2011	381625	7026706	VAN11004465	0.9	182.8	8	101.4	0.22	248.5	13.1	3.6	0.3	678
1374179	SOIL	19/08/2011	381525	7026700	VAN11004465	0.7	61.4	8.1	24.6	0.13	30.2	14.1	3.2	0.1	130
1374180	SOIL	19/08/2011	381427	7026700	VAN11004465	0.6	98.4	11	30.5	0.27	20.8	12.8	5.6	0.2	148
1374181	SOIL	19/08/2011	381329	7026726	VAN11004465	0.9	126.6	4.8	21.4	0.02	12.7	13.3	4.2	0.1	64
1374182	SOIL	19/08/2011	381229	7026741	VAN11004465	0.2	30	2.6	15.8	0.02	7.3	3.7	1.2	0.1	52
1374183	SOIL	19/08/2011	381149	7026679	VAN11004465	1.9	61.9	10.2	14.1	0.72	7.4	39.4	20.1	0.5	39
1374184	SOIL	19/08/2011	381089	7026599	VAN11004465	1	28.8	3.6	12.1	0.04	9	12.6	3.1	0.2	51
1374185	SOIL	19/08/2011	380995	7026559	VAN11004465	0.6	32.2	2	13	0.03	5.2	7.3	1.8	0.1	34
1374186	SOIL	19/08/2011	380936	7026478	VAN11004465	4	134.6	0.5	47.5	0.43	3.1	21.2	53.7	2.3	16
1374187	SOIL	19/08/2011	380854	7026423	VAN11004465	2.3	8.2	1.2	13	0.19	5.8	13.3	11.2	0.8	14
1374188	SOIL	19/08/2011	380757	7026390	VAN11004465	3.2	4.5	5.6	7.6	0.1	1.6	12.6	6.8	0.4	7
1374189	SOIL	19/08/2011	380659	7026413	VAN11004465	3.7	14.6	3	14.5	0.14	3.8	15.3	17.2	0.7	19
1374190	SOIL	19/08/2011	380559	7026402	VAN11004465	5.2	15.5	3.7	11.7	0.11	3.6	17.5	10.1	0.4	16

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1374191	SOIL	19/08/2011	380465	7026364	VAN11004465	3.5	10.4	3.3	15.8	0.1	5.6	14.3	5.8	0.3	24
1374192	SOIL	19/08/2011	380366	7026398	VAN11004465	1.2	12.6	2.7	13.7	0.03	5.2	13.3	3.6	0.2	25
1374193	SOIL	19/08/2011	380269	7026429	VAN11004465	0.6	48.8	5.3	14.4	0.03	8.6	10.9	5.7	0.2	55
1374194	SOIL	19/08/2011	380235	7026525	VAN11004465	0.2	151.4	10.9	19.1	0.04	14.8	15.4	7	0.2	75
1374195	SOIL	19/08/2011	380180	7026616	VAN11004465	0.1	93.3	5.8	11.9	0.01	10.5	13.1	3.8	0.1	53
1374196	SOIL	19/08/2011	380120	7026703	VAN11004465	0.7	48.3	7.7	9.3	0.04	6.6	8.5	3	0.1	37
1374197	SOIL	19/08/2011	380028	7026748	VAN11004465	0.2	81	12.9	11	0.07	6.2	6.7	2.1	0.3	52
1374198	SOIL	20/08/2011	384601	7025103	VAN11004465	0.1	11.4	1	7.6	0.01	8.5	9.4	1.4	0.2	46
1374199	SOIL	20/08/2011	384534	7025023	VAN11004465	0.7	22.9	5.5	39.9	0.22	31.5	15.1	1.7	0.2	102
1374200	SOIL	20/08/2011	384478	7024939	VAN11004465	3.8	9.6	5.2	10	0.12	5.1	9.9	3.4	1.4	19
1374414	SILT	10/09/2011	364284	7036066	WHI11001430	1.8	12.2	11.8	78.8	0.57	53.6	23.1	2.8	0.2	208
1374456	SOIL	09/09/2011	379704	7026707	WHI11001430	2.1	526.4	93.3	99.1	0.1	23.3	34.6	30	0.4	114
1374457	SOIL	09/09/2011	379680	7026693	WHI11001430	2.1	371.9	67.2	83.6	0.07	25.3	26.5	25.6	0.3	112
1374458	SOIL	09/09/2011	379660	7026669	WHI11001430	1	59.1	15.1	19	0.04	6	9.2	6.5	0.1	20
1374459	SOIL	09/09/2011	379647	7026649	WHI11001430	1.2	51.8	24.6	20.6	0.04	4.4	16.1	10.2	0.1	30
1374460	SOIL	09/09/2011	379634	7026627	WHI11001430	4.1	164.8	44.5	49.1	0.1	11.4	27.1	15.9	0.3	64
1374461	SOIL	09/09/2011	379617	7026605	WHI11001430	3.9	162.4	40.1	49	0.1	11.6	27.2	16.5	0.3	61
1374462	SOIL	09/09/2011	379598	7026580	WHI11001430	10.7	517.4	168.7	33.1	0.26	7.8	39.4	36.1	0.6	35
1374463	SOIL	09/09/2011	379572	7026579	WHI11001430	3.1	179.2	12.5	30.7	0.18	8.2	27.7	31.4	0.3	41
1374464	SOIL	09/09/2011	379546	7026584	WHI11001430	2.1	177.9	20	23.8	0.46	8.7	23.1	41	0.4	39
1374465	SOIL	09/09/2011	379522	7026589	WHI11001430	2.7	69.7	15.3	28.6	0.07	7.7	29.9	9	0.2	42
1374466	SOIL	09/09/2011	379497	7026583	WHI11001430	1.1	57.1	6.6	24.5	0.15	6.2	25.1	11.5	0.2	26
1374467	SOIL	09/09/2011	379473	7026587	WHI11001430	1.2	43.3	17	20.4	0.04	5.8	28.3	7.8	0.2	32
1374468	SOIL	09/09/2011	379435	7026594	WHI11001430	1.9	19.8	4	16.2	0.07	5.5	16.6	4.4	0.1	28
1374469	SOIL	09/09/2011	379408	7026591	WHI11001430	1.5	65.7	7	21.5	0.06	8.2	48.7	12.7	0.2	41
1374470	SOIL	09/09/2011	379382	7026596	WHI11001430	1.7	83.9	17.8	31.3	0.38	6.7	23.3	27.1	0.1	25
1374471	SOIL	09/09/2011	379357	7026601	WHI11001430	1.3	78.3	9.1	35.8	0.08	7.8	24.8	13.8	0.2	41
1374472	SOIL	09/09/2011	379334	7026613	WHI11001430	1.7	384.2	26.2	64.3	0.08	11.6	16.6	65.3	0.2	65
1374473	SOIL	09/09/2011	379313	7026632	WHI11001430	1.2	202.9	42.9	26	0.08	7.5	19.7	22.7	0.2	53
1374474	SOIL	09/09/2011	379300	7026655	WHI11001430	0.5	56.2	7.2	28	0.07	7.5	13.9	11.1	0.1	42
1374475	SOIL	09/09/2011	379281	7026675	WHI11001430	7.6	265.8	76.9	112.9	1.25	23	57.6	44.4	0.4	160
1374476	SOIL	09/09/2011	379262	7026691	WHI11001430	2.2	100.4	22.1	70.1	0.07	6.2	11.4	22.5	0.1	63
1374477	SOIL	09/09/2011	379248	7026722	WHI11001430	8.5	206.3	38.2	130.8	0.25	11.3	25.1	62.8	0.1	72
1374478	SOIL	09/09/2011	379228	7026730	WHI11001430	2.9	153	44.4	86	0.15	17.8	23.7	22.1	0.1	93
1374479	SOIL	09/09/2011	379222	7026753	WHI11001430	2.8	480.1	100.8	132.6	0.63	25.9	23.4	38.2	0.2	127
1374480	SOIL	09/09/2011	376445	7026108	WHI11001430	0.9	57.6	3.5	46.3	0.09	54.9	31.5	9.2	0.4	435
1374481	SOIL	09/09/2011	376350	7026079	WHI11001430	0.2	20.3	1.8	13.1	0.03	17.8	22.4	3.5	0.3	125
1374482	SOIL	09/09/2011	376262	7026029	WHI11001430	2.8	99.4	3.2	174	1.65	248.4	479.6	36.4	1.9	1618
1374483	SOIL	09/09/2011	376217	7025939	WHI11001430	0.3	22.1	0.8	37.1	0.11	47.5	30.7	5.1	0.2	423
1382001	SOIL	20/08/2011	384412	7024859	VAN11004465	11.8	23.3	32.5	38.6	3.01	21.6	22	19.6	4.3	170
1382002	SOIL	20/08/2011	384374	7024763	VAN11004465	0.6	35.5	6.1	52.4	0.08	58.3	14.2	2.4	0.1	387
1382003	SOIL	20/08/2011	384303	7024683	VAN11004465	0.6	22.6	5.4	54.4	0.15	29.7	65	2.5	0.2	144
1382004	SOIL	20/08/2011	384227	7024618	VAN11004465	2	60.9	3	89.6	0.77	204.5	10	25.6	0.6	1021
1382005	SOIL	20/08/2011	384123	7024600	VAN11004465	0.4	24.4	2.2	37.5	0.07	103.7	8.3	7.2	0.3	534
1382006	SOIL	20/08/2011	384008	7024559	VAN11004465	0.6	14	2.4	36.9	0.06	40.6	11.6	2.3	0.1	173
1382007	SOIL	20/08/2011	383909	7024573	VAN11004465	1.1	16.2	5.2	52.3	0.27	79.3	13.4	5.1	0.1	385
1382008	SOIL	20/08/2011	383932	7024409	VAN11004465	1.6	30.6	3.6	36.7	0.4	79.4	12.9	6.6	0.4	413
1382009	SOIL	20/08/2011	383860	7024337	VAN11004465	1.3	28.2	5.8	74.5	0.71	93.5	14.2	6.3	0.2	382
1382010	SOIL	20/08/2011	383780	7024276	VAN11004465	1.1	24.9	2.8	89	0.3	130.9	43.8	7.2	0.4	903
1382011	SOIL	20/08/2011	383709	7024204	VAN11004465	0.7	22.9	2.9	24.7	0.18	43.1	30.6	10.1	0.8	507
1382012	SOIL	20/08/2011	383646	7024125	VAN11004465	0.2	10.6	2.4	21	0.06	42.1	12.3	1	0.1	42
1382013	SOIL	20/08/2011	383608	7024031	VAN11004465	2.3	10.9	6	9.8	0.27	16.9	11	3.9	0.5	62
1382014	SOIL	20/08/2011	383690	7023969	VAN11004465	1.1	49.9	34.1	392	0.25	122.7	27.2	8.6	0.2	497
1382015	SOIL	20/08/2011	383786	7023930	VAN11004465	0.4	6.9	0.9	14.2	0.02	15.7	9.3	1.4	0.1	113

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.



## APPENDIX C

## 2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture

(Refer to digital version for full list)

## Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1382016	SOIL	20/08/2011	383882	7023956	VAN11004465	0.7	5.5	0.8	13.3	0.02	16.4	20.3	1.7	0.3	79
1382017	SOIL	20/08/2011	383982	7023948	VAN11004465	1.2	3.8	1	25.4	0.04	26.1	10.6	1.3	0.1	121
1382018	SOIL	20/08/2011	384091	7023932	VAN11004465	0.4	13.3	3.2	27.2	0.06	48.2	11.6	3.8	0.2	427
1382019	SOIL	20/08/2011	384179	7023985	VAN11004465	0.4	10.5	1.3	23.5	0.03	52.3	8.3	4.8	0.1	440
1382020	SOIL	20/08/2011	384274	7024026	VAN11004465	2.2	29.9	1.5	34.6	0.08	55.3	39.6	9.6	0.4	625
1382021	SOIL	20/08/2011	384370	7024063	VAN11004465	0.3	15.5	1.7	25.5	0.03	44.3	17	4.4	0.2	226
1382022	SOIL	20/08/2011	384454	7024120	VAN11004465	1.7	50.8	1.7	164.3	0.19	158.5	18	27.1	2.2	2588
1382023	SOIL	20/08/2011	384534	7024190	VAN11004465	0.2	37	0.6	27.4	0.04	23.2	7.9	1	0.1	101
1382024	SOIL	20/08/2011	384601	7024265	VAN11004465	1.2	60	1.7	92.1	0.12	172	43.1	22.1	1.1	1993
1382151	SOIL	08/09/2011	387701	7024700	WHI11001431	0.2	9.1	0.5	11.1	0.02	8	9.1	1.2	0.1	38
1382152	SOIL	08/09/2011	387701	7024751	WHI11001431	1.2	14.9	4.3	35.2	0.15	35	27.1	1.4	0.1	127
1382153	SOIL	08/09/2011	387713	7024800	WHI11001431	1.4	4.3	4.3	78.9	0.25	46.9	13	0.7	0.1	123
1382154	SOIL	08/09/2011	387705	7024851	WHI11001431	0.3	2.6	1.3	19	0.12	22.3	7.8	0.3	0.1	40
1382155	SOIL	08/09/2011	387698	7024899	WHI11001431	0.4	1.9	2.3	22.3	0.1	14	6.9	0.4	0.1	34
1382156	SOIL	08/09/2011	387702	7024949	WHI11001431	2.3	21.4	9.7	104.3	0.48	30.6	72	2	0.3	89
1382157	SOIL	08/09/2011	387707	7025000	WHI11001431	2.9	116.6	32.7	204.7	1.06	19.3	67	26.3	1.4	78
1382158	SOIL	08/09/2011	387602	7025002	WHI11001431	1.7	16.7	8	139.9	0.43	85.2	31.2	1.2	0.2	188
1382159	SOIL	08/09/2011	387627	7024993	WHI11001431	0.8	17.3	10.6	84.7	0.18	78.5	35.5	2	0.1	235
1382160	SOIL	08/09/2011	387651	7025000	WHI11001431	1.1	3.6	3.4	25.3	0.19	16.9	5	0.3	0.1	40
1382161	SOIL	08/09/2011	387675	7024995	WHI11001431	0.5	6.4	5.8	51.1	0.17	33.6	16.6	0.5	0.1	78
1382162	SOIL	08/09/2011	387830	7025000	WHI11001431	1.8	78.3	34.9	340.6	0.31	20.2	29.5	13.9	1.6	95
1382163	SOIL	08/09/2011	387804	7025002	WHI11001431	0	0	0	0	0	0	0	0	0	0
1382164	SOIL	08/09/2011	387775	7025003	WHI11001431	0.7	0.5	1.5	35.5	0.14	7.3	2.7	0.3	0.1	5
1382165	SOIL	08/09/2011	387750	7024996	WHI11001431	1.6	6.1	0.7	26.2	0.19	11.1	6.8	1.2	0.2	33
1382166	SOIL	08/09/2011	387726	7025001	WHI11001431	3.6	147.4	22	93.7	0.52	14	29.6	24	1.4	62
1382167	SOIL	08/09/2011	387702	7025051	WHI11001431	0.7	5.8	4.1	46.1	0.17	30.8	17.1	0.5	0.1	91
1382168	SOIL	08/09/2011	387706	7025102	WHI11001431	1.4	13.2	6.1	74.3	0.23	40.7	33.7	1.5	0.2	104
1382169	SOIL	08/09/2011	387699	7025150	WHI11001431	1.2	0.8	2.3	29.9	0.16	8.4	6.2	0.2	0.1	12
1382170	SOIL	08/09/2011	387852	7025223	WHI11001431	0.1	14.8	9.2	27.3	0.04	23.4	21.2	0.8	0.1	73
1382171	SOIL	08/09/2011	387853	7025176	WHI11001431	2.2	6	11	519.2	0.79	25.7	47.8	0.7	0.2	71
1382172	SOIL	08/09/2011	387848	7025124	WHI11001431	0.7	62.1	29.6	264.3	0.16	35.3	58.9	3.5	0.1	168
1382173	SOIL	08/09/2011	387848	7025073	WHI11001431	0.7	32.4	32.9	161.2	0.08	8	37.2	7.6	0.2	35
1382174	SOIL	08/09/2011	387844	7025025	WHI11001431	0	0	0	0	0	0	0	0	0	0
1382175	SOIL	08/09/2011	387875	7025000	WHI11001431	0.3	23.5	6.1	59.2	0.06	18.4	19.6	2.5	0.2	108
1382176	SOIL	08/09/2011	387900	7024996	WHI11001431	0.1	12.2	1.1	47.7	0.04	12.6	9	1.4	0.1	59
1382177	SOIL	08/09/2011	387925	7024996	WHI11001431	0	0	0	0	0	0	0	0	0	0
1382178	SOIL	08/09/2011	387953	7024991	WHI11001431	0.9	4.2	3	80	0.1	10.5	12.9	0.6	0.1	34
1382179	SOIL	08/09/2011	387851	7024976	WHI11001431	0.2	8.5	1.5	23.6	0.07	6.4	10.1	1.6	0.3	29
1382180	SOIL	08/09/2011	387853	7024925	WHI11001431	0.3	15.9	3.1	27.2	0.06	13.2	14.3	1.7	0.1	81
1382181	SOIL	08/09/2011	387850	7024875	WHI11001431	0.2	17.7	0.5	11.6	0.01	9.7	7.8	1.6	0.1	61
1382182	SOIL	08/09/2011	387849	7024826	WHI11001431	1.2	5	1.1	17.9	0.06	2.7	11.3	0.8	0.1	17
1382183	SOIL	08/09/2011	387849	7024775	WHI11001431	1.7	4.3	4.1	38.3	0.19	39.9	7.5	0.7	0.1	71
1382184	SOIL	08/09/2011	387850	7024722	WHI11001431	0.5	15.3	6.9	86.7	0.12	59.7	23.1	1.7	0.1	156
1382185	SOIL	08/09/2011	388153	7024698	WHI11001431	0.8	19.4	4.5	45.6	0.29	25.9	13.5	1.5	0.2	114
1382186	SOIL	08/09/2011	388152	7024750	WHI11001431	0.2	18.9	4.1	21.4	0.02	15.4	12.8	2.2	0.2	84
1382187	SOIL	08/09/2011	388153	7024800	WHI11001431	0.2	21.7	1.6	26.5	0.05	18.6	13.1	2.5	0.2	110
1382188	SOIL	08/09/2011	388151	7024850	WHI11001431	0.7	2.4	2.1	165.2	0.09	9.7	13.2	0.3	0.1	23
1382189	SOIL	08/09/2011	388149	7024900	WHI11001431	0.1	11.3	2.8	70	0.01	10	15.1	1.2	0.1	57
1382190	SOIL	08/09/2011	388151	7024951	WHI11001431	0.5	10	2	113.3	0.09	7	12.2	1	0.1	37
1382191	SOIL	09/09/2011	379873	7027049	WHI11001430	1.2	23.2	3.3	15.1	0.09	4.7	6.8	2.3	0.1	25
1382192	SOIL	09/09/2011	379860	7027030	WHI11001430	0.3	53.5	2.9	26.3	0.04	8.4	9.7	3.8	0.1	40
1382193	SOIL	09/09/2011	379840	7027015	WHI11001430	1.7	127.5	8.2	69.9	0.12	31	18.7	10.7	0.1	139
1382194	SOIL	09/09/2011	379817	7027005	WHI11001430	0.6	51.8	4.7	30.4	0.06	13.1	13.3	4.2	0.1	74
1382195	SOIL	09/09/2011	379812	7026981	WHI11001430	1.4	133.6	28.4	64.5	0.09	20.6	24.3	9.7	0.2	87

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.



## APPENDIX C

(Refer to digital version for full list)

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag PPM	As PPM	Au PPB	Cu PPM	Hg PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1382196	SOIL	09/09/2011	379800	7026959	WHI11001430	1.8	1113.5	48.5	200.4	0.09	30.4	39.3	39	0.4	179
1382197	SOIL	09/09/2011	379792	7026934	WHI11001430	1.8	300.8	22	61.8	0.08	15.2	14.5	10	0.1	80
1382198	SOIL	09/09/2011	379777	7026915	WHI11001430	1.6	3474.8	819.7	227.1	0.07	44.7	30.9	69	0.4	166
1382199	SOIL	09/09/2011	379761	7026897	WHI11001430	1.2	1751	481.8	106.7	0.04	14.6	21.8	33.4	0.3	72
1382200	SOIL	09/09/2011	379747	7026874	WHI11001430	0.6	1048.8	144.9	80.8	0.03	10.1	23.8	30.3	0.2	49
1382291	SOIL	02/09/2011	380034	7027189	VAN11004726	0.5	260	23.1	50.8	0.05	40.8	12.2	7.1	0.3	124
1382292	SOIL	02/09/2011	380027	7027124	VAN11004726	0.4	152.7	14.8	14.3	0.05	9.9	9	2.6	0.2	52
1382293	SOIL	02/09/2011	380009	7027075	VAN11004726	0.4	130.6	14.1	22.9	0.11	10	12.7	5.3	0.2	47
1382294	SOIL	02/09/2011	379967	7027049	VAN11004726	0.2	273.9	35.2	68.4	0.08	59.7	15.5	7	0.3	192
1382295	SOIL	02/09/2011	379922	7027002	VAN11004726	0.2	78.5	14	36.4	0.07	23.2	11.4	2.9	0.2	105
1382296	SOIL	02/09/2011	379880	7026951	VAN11004726	1.2	40.6	13.1	28.7	0.1	7.4	8.6	3.7	0.1	32
1382297	SOIL	02/09/2011	379852	7026909	VAN11004726	0.3	417.4	30.5	51	0.03	16.1	16.1	11.1	0.1	84
1382298	SOIL	02/09/2011	379842	7026863	VAN11004726	0.3	228.7	308.8	36	0.05	17.2	10.3	8.2	0.2	70
1382299	SOIL	02/09/2011	379819	7026820	VAN11004726	0.1	114.2	5.4	14.4	0.02	9.8	12.1	5.2	0.2	58
1382300	SOIL	02/09/2011	379778	7026756	VAN11004726	1.2	568.6	79.8	57.7	0.04	19.6	31.6	15.3	0.3	103
1382301	SOIL	02/09/2011	379733	7026726	VAN11004726	2.5	832.5	129	117.5	0.19	30.2	31.8	40.6	0.3	122
1382302	SOIL	02/09/2011	379688	7026704	VAN11004726	2.2	370	69.4	79.3	0.07	23.2	24.9	23.6	0.3	103
1382303	SOIL	02/09/2011	379611	7026641	VAN11004726	3.8	149	39.7	34.8	0.11	7.1	25	18.7	0.3	38
1382304	SOIL	02/09/2011	379590	7026592	VAN11004726	2.9	163.3	13.3	22.8	0.55	6.1	33.8	30	0.3	29
1382305	SOIL	02/09/2011	379542	7026582	VAN11004726	2.2	136.7	23.7	33.2	0.14	7.8	37	25.4	0.3	44
1382306	SOIL	02/09/2011	379492	7026585	VAN11004726	1.3	39	8.5	15.3	0.06	6.6	65.4	9.7	0.2	33
1382307	SOIL	02/09/2011	379442	7026592	VAN11004726	2.9	119.1	13.9	24.8	0.21	7.8	32.3	12.1	0.3	45
1382308	SOIL	02/09/2011	379387	7026578	VAN11004726	1.7	43.7	20.4	22.8	0.08	7.7	29.4	7.6	0.2	43
1382309	SOIL	02/09/2011	379345	7026610	VAN11004726	1.4	102.2	9.7	34.4	0.07	8.6	41.5	27.4	0.2	61
1382310	SOIL	02/09/2011	379305	7026667	VAN11004726	4.5	145.8	36	70.4	0.27	12.5	66.6	30.3	0.2	105
1382311	SOIL	02/09/2011	379279	7026731	VAN11004726	4	418.3	128.4	299	0.09	18.5	81.1	63	0.1	172
1382312	SOIL	02/09/2011	379236	7026800	VAN11004726	0.8	395.6	63.9	87.8	0.09	37.6	20.3	47.4	0.2	176
1382313	SOIL	02/09/2011	379189	7026826	VAN11004726	0.8	205	27.9	73.3	0.05	87	24.1	16.1	0.2	187
1382314	SOIL	02/09/2011	379139	7026829	VAN11004726	0.9	330.7	42.4	34.4	0.04	23.2	16.6	51.4	0.2	114
1382315	SOIL	02/09/2011	379099	7026797	VAN11004726	0.7	109	32.1	48.3	0.14	53.4	13.2	27.4	0.2	257
1382316	SOIL	02/09/2011	379027	7026737	VAN11004726	0.5	406.3	12	113.9	0.03	45.1	41.4	49.7	0.2	312
1382317	SOIL	08/09/2011	380804	7026546	WHI11001431	4.5	35	3.9	29.1	0.2	4.1	12.1	13.7	0.6	18
1382318	SOIL	08/09/2011	380813	7026597	WHI11001431	2.1	1121.3	95.2	175.9	0.07	63.5	48.9	25.4	1.2	280
1382319	SOIL	08/09/2011	380857	7026627	WHI11001431	1.1	183.9	27.9	13.3	0.02	3.8	15.1	4.5	0.3	25
1382320	SOIL	08/09/2011	380857	7026679	WHI11001431	1.4	87.8	4.7	44.6	0.04	17.2	20.1	5.1	0.2	121
1382321	SOIL	08/09/2011	380842	7026730	WHI11001431	1.5	99	6.6	30.4	0.04	10.9	11.3	4.2	0.1	76
1382322	SOIL	08/09/2011	380827	7026781	WHI11001431	1.2	148.9	29.7	57.9	0.02	22.3	20.2	8.1	0.2	148
1382323	SOIL	08/09/2011	380832	7026832	WHI11001431	1.1	60.8	5.1	10.3	0.46	3.6	25.2	20.5	0.4	17
1382324	SOIL	08/09/2011	380860	7026874	WHI11001431	5.8	393.6	105.2	78.6	0.13	5	43	40	0.8	23
1382325	SOIL	08/09/2011	380876	7026922	WHI11001431	6.1	568.9	83.7	51.1	0.26	4.5	41.1	22.5	0.6	18
1382326	SOIL	08/09/2011	380874	7026973	WHI11001431	2.8	1133.4	56.2	44.1	0.09	9.3	16.8	17.5	0.5	37
1382327	SOIL	08/09/2011	380911	7027010	WHI11001431	1.4	51.8	9.2	31	0.06	21.7	11.7	3.2	0.2	79
1382328	SOIL	08/09/2011	380930	7027060	WHI11001431	0.4	14	2.5	8.3	0.03	2.9	2.5	0.8	0.1	9
1382329	SOIL	08/09/2011	380948	7027100	WHI11001431	0.2	101.6	20.5	62.3	0.01	30.4	13.5	6.3	0.3	83
1382330	SOIL	08/09/2011	381040	7026940	WHI11001431	0.3	56	3.3	21.8	0.04	12.8	7.1	2.2	0.1	41
1382331	SOIL	08/09/2011	381093	7026921	WHI11001431	0.6	36	4.4	14.3	0.05	4.4	7.3	1.7	0.1	26
1382332	SOIL	08/09/2011	381142	7026905	WHI11001431	1.7	166.6	9.8	67.5	0.07	17.6	30.8	13.1	0.4	87
1382333	SOIL	08/09/2011	381186	7026877	WHI11001431	1.7	7.9	0.6	12.5	0.04	4.1	2.9	0.6	0.1	20
1382334	SOIL	08/09/2011	381238	7026865	WHI11001431	0.5	7.5	0.7	11.7	0.02	4.1	2.4	0.6	0.1	19
1382335	SOIL	08/09/2011	381303	7026860	WHI11001431	0.5	96.3	9.1	29.2	0.05	27.2	15.7	3.9	0.2	113
1382336	SOIL	08/09/2011	381357	7026844	WHI11001431	0.9	487.2	29.1	36.7	0.05	21.7	21.8	9.8	0.2	111
1382337	SOIL	08/09/2011	381409	7026845	WHI11001431	0.4	76.2	5	11.2	0.03	10	11.8	2.9	0.1	31
1382338	SOIL	08/09/2011	381452	7026874	WHI11001431	1	136.6	9.8	34.6	0.07	29.8	21.4	4.8	0.2	99
1382339	SOIL	08/09/2011	381503	7026875	WHI11001431	1.6	9.5	1.3	19.3	0.04	47.4	4.8	0.5	0.1	51

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag PPM	As PPM	Au PPB	Cu PPM	Hg PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1382340	SOIL	08/09/2011	381555	7026866	WHI11001431	0.6	86.7	4.4	15.8	0.04	8.6	12.3	2.1	0.1	35
1382341	SOIL	08/09/2011	381607	7026878	WHI11001431	0.5	8.2	2	7.6	0.04	8.9	3.2	0.9	0.1	11
1382342	SOIL	08/09/2011	381663	7026882	WHI11001430	0.6	33.5	0.6	15.6	0.02	6.9	9	3.3	0.1	39
1382343	SOIL	08/09/2011	381709	7026902	WHI11001430	0.2	43.7	1.7	21.1	0.02	8.1	11.7	4.4	0.1	43
1382344	SOIL	08/09/2011	381761	7026926	WHI11001431	0.3	32.3	5.2	41.3	0.09	33.7	15.1	3.5	0.3	180
1382345	SOIL	09/09/2011	379624	7026917	WHI11001430	5.8	7695.3	6355.8	230.3	0.21	38.6	45.7	79.6	1.2	134
1382346	SOIL	09/09/2011	379616	7026895	WHI11001430	7.2	1053.9	202.5	241.4	0.17	47.3	34.4	50	0.7	209
1382347	SOIL	09/09/2011	379603	7026871	WHI11001430	2.7	2658.2	178.6	413	0.1	70.8	47.5	292.7	1.1	219
1382348	SOIL	09/09/2011	379589	7026851	WHI11001430	2.6	1489.3	223.5	270.9	0.14	38.4	46.3	127.8	0.8	140
1382349	SOIL	09/09/2011	379568	7026837	WHI11001430	2.4	1624.8	145	329.1	0.07	45.6	36.3	203.5	0.8	184
1382350	SOIL	09/09/2011	379546	7026825	WHI11001430	2.4	1271.3	194	352.5	0.09	80.5	52.9	62	0.6	342
1382640	SOIL	19/08/2011	379954	7026868	VAN11004465	1.2	208.1	29.2	93.9	0.18	28.5	30.1	17.5	0.3	124
1382641	SOIL	19/08/2011	379931	7026769	VAN11004465	0.6	67.9	15.3	41.8	0.2	34.9	12.6	5.2	0.4	188
1382642	SOIL	19/08/2011	379803	7026647	VAN11004465	4.8	987.5	127	164.2	0.48	24.6	52.7	73	0.6	89
1382643	SOIL	19/08/2011	379707	7026520	VAN11004465	13.6	649.7	11.2	193.3	2.35	39.5	43.4	155.7	2.6	201
1382644	SOIL	19/08/2011	379633	7026453	VAN11004465	1.9	133.5	8.9	54	0.09	26.4	17	23.9	0.5	65
1382645	SOIL	19/08/2011	379534	7026428	VAN11004465	1.4	68.1	4.7	31.2	0.04	13.6	31	28.3	0.3	82
1382646	SOIL	19/08/2011	379430	7026433	VAN11004465	1.2	131.5	3.3	34.6	0.04	21.6	23.1	37	0.2	159
1382647	SOIL	19/08/2011	379332	7026457	VAN11004465	1.4	54.9	4.2	18.1	0.02	9.7	21.9	19.7	0.3	57
1382648	SOIL	19/08/2011	379234	7026487	VAN11004465	3.5	157.2	38.4	19.7	0.16	13.6	19.8	43.3	0.4	71
1382649	SOIL	19/08/2011	379079	7026622	VAN11004465	1.9	125	15	34.4	0.03	10.7	24.6	13.6	0.2	72
1382650	SOIL	19/08/2011	378985	7026577	VAN11004465	0.6	28.6	6.4	58.2	0.22	52.7	15	4.9	0.4	283
1382651	SOIL	19/08/2011	378894	7026529	VAN11004465	37.4	116.5	20	31	0.28	14.4	36.5	14	0.4	80
1382652	SOIL	19/08/2011	378800	7026498	VAN11004465	15	47.1	5	24.9	0.08	11.2	23.1	6.9	0.4	51
1382653	SOIL	19/08/2011	378664	7026491	VAN11004465	6.2	44	0.7	29.9	0.06	15.6	18.6	15.1	0.5	132
1382654	SOIL	19/08/2011	378558	7026495	VAN11004465	8	117.7	10	33.8	0.55	16	21.9	14.8	0.9	68
1382655	SOIL	19/08/2011	378458	7026502	VAN11004465	6.8	56	5.9	48.9	0.34	20.2	16.3	12.8	0.5	119
1382656	SOIL	19/08/2011	378431	7026593	VAN11004465	2	110.9	16.2	59.3	0.18	34.8	16.6	15.2	0.3	160
1382657	SOIL	19/08/2011	378327	7026644	VAN11004465	2.5	272.8	18.3	70.7	0.15	33.2	15	21.1	0.2	133
1382658	SOIL	19/08/2011	378236	7026626	VAN11004465	1.6	177.9	17.8	49.5	0.11	25.6	17.1	10.6	0.3	125
1382659	SOIL	19/08/2011	373851	7029960	VAN11004465	1	46	5.6	50.2	0.12	54.2	18.1	8.8	0.4	315
1382660	SOIL	19/08/2011	373792	7029871	VAN11004465	1.3	49.1	6	56.2	0.31	54.4	21.4	8.2	0.4	293
1382661	SOIL	19/08/2011	373748	7029788	VAN11004465	1.3	53.3	8.2	56.9	0.24	54.2	21.2	6.8	0.3	291
1382662	SOIL	19/08/2011	373765	7029688	VAN11004465	3.1	59.2	8.1	101.3	0.51	49.1	20.8	13.1	0.5	292
1382663	SOIL	19/08/2011	373824	7029607	VAN11004465	6	59	1.6	63.4	0.32	68.4	18.9	17.6	0.8	406
1382664	SOIL	19/08/2011	373890	7029535	VAN11004465	5.2	6	0.7	17.4	0.02	9.7	12.1	3.4	0.7	55
1382665	SOIL	19/08/2011	373984	7029490	VAN11004465	7.7	84.8	6.7	53.2	0.91	34.4	20.6	15.3	1.2	184
1382666	SOIL	19/08/2011	374133	7029543	VAN11004465	7.1	97.8	5.2	97.9	3.22	49.4	29.2	117.9	1.2	372
1382667	SOIL	19/08/2011	374263	7029558	VAN11004465	12.3	133.9	10.8	143	2.89	38.5	23.6	33.3	2.3	267
1382668	SOIL	19/08/2011	374397	7029586	VAN11004465	5.2	46.8	7	60.5	0.42	46.3	18.5	8.8	0.5	269
1382669	SOIL	20/08/2011	388096	7028647	VAN11004465	0.9	36.6	5.6	59.2	0.11	26.2	17.3	2.7	0.2	116
1382670	SOIL	20/08/2011	388014	7028595	VAN11004465	0.9	61.2	13.5	91.5	0.14	68.9	30.5	5.4	0.2	193
1382671	SOIL	20/08/2011	387948	7028518	VAN11004465	0.3	125.4	5.4	44.6	0.09	49.5	16.3	6.2	0.1	206
1382672	SOIL	20/08/2011	387863	7028464	VAN11004465	0.3	38.8	2.4	43.3	0.04	34.2	19.3	3.5	0.2	199
1382673	SOIL	20/08/2011	387779	7028419	VAN11004465	0.2	58	1.3	49.2	0.04	23.8	14.9	4.8	0.2	116
1382674	SOIL	20/08/2011	387656	7028373	VAN11004465	0.4	53.9	3.4	52.4	0.06	42.7	14.3	10.3	0.2	120
1382675	SOIL	20/08/2011	387584	7028288	VAN11004465	0.3	50.5	3.7	82.6	0.09	35.5	17.9	4.8	0.2	137
1382676	SOIL	20/08/2011	387479	7028283	VAN11004465	1.6	261.9	17.9	93.3	0.06	47.7	20.2	34.4	0.3	188
1382677	SOIL	20/08/2011	387385	7028311	VAN11004465	0.6	82.2	2.4	47.3	0.04	31.3	11.5	16.6	0.1	142
1382678	SOIL	20/08/2011	387320	7028329	VAN11004465	0.2	138.7	9	45	0.05	23.3	18.6	11.6	0.1	100
1382679	SOIL	20/08/2011	387296	7028420	VAN11004465	0.4	126.9	5.8	31.9	0.05	21.8	12.6	13.7	0.2	87
1382680	SOIL	20/08/2011	387219	7028491	VAN11004465	0.4	82.8	23.8	147.1	0.09	53.2	27.6	9.4	0.2	166
1382681	SOIL	20/08/2011	387122	7028476	VAN11004465	0.7	90	7.4	40.2	0.09	24	16.2	13.1	0.2	99
1382682	SOIL	20/08/2011	387029	7028445	VAN11004465	0.3	41.1	2.1	50.3	0.04	17.9	13.9	5.7	0.1	97

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

APPENDIX C  
(Refer to digital version for full list)

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag PPM	As PPM	Au PPB	Cu PPM	Hg PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1382683	SOIL	20/08/2011	386952	7028445	VAN11004465	0.2	28.3	7	96.2	0.03	22.9	33.7	3.6	0.1	136
1383150	SOIL	19/08/2011	376098	7026740	VAN11004465	0.5	2.7	0.5	21.5	0.03	7.9	5.1	0.8	0.1	35
1383151	SOIL	19/08/2011	376165	7026670	VAN11004465	0.5	11.4	0.9	29.7	0.02	19.2	14.4	2.6	0.2	166
1383152	SOIL	19/08/2011	376256	7026627	VAN11004465	0.9	13.7	1.4	52.1	0.06	22.7	17.6	3.2	0.2	167
1383153	SOIL	19/08/2011	376342	7026578	VAN11004465	0.3	14.9	0.5	18.8	0.02	18.7	14.5	2.6	0.1	119
1383154	SOIL	19/08/2011	376427	7026524	VAN11004465	0.3	7.5	0.5	22.1	0.03	24.4	9.3	1.3	0.1	107
1383155	SOIL	19/08/2011	376520	7026478	VAN11004465	0.9	4.1	0.9	21.4	0.03	11.8	7.1	0.9	0.1	83
1383156	SOIL	19/08/2011	376605	7026422	VAN11004465	0.8	4.9	0.5	29.3	0.03	15.7	10.8	1.3	0.1	141
1383157	SOIL	19/08/2011	376695	7026382	VAN11004465	0.4	8.1	1	84.8	0.02	31.7	13.5	1.8	0.1	147
1383158	SOIL	19/08/2011	376798	7026387	VAN11004465	2.1	16.5	0.6	44.4	0.05	18.1	39.2	3.9	0.2	125
1383159	SOIL	19/08/2011	376892	7026411	VAN11004465	0.6	12.4	0.5	28.2	0.03	21.2	13.1	2.3	0.2	111
1383160	SOIL	19/08/2011	376992	7026423	VAN11004465	0.4	7.9	0.5	16.4	0.01	17.6	16.1	2.2	0.1	120
1383161	SOIL	19/08/2011	377084	7026468	VAN11004465	1	17.4	0.5	51.2	0.03	19.9	36.4	4.1	0.2	136
1383162	SOIL	19/08/2011	377156	7026540	VAN11004465	1.3	35.4	6.5	28.5	0.13	19	13.2	6.1	0.2	106
1383163	SOIL	19/08/2011	377202	7026628	VAN11004465	3.4	121.8	13.4	54.4	0.32	48.3	19.4	15.8	0.4	211
1383164	SOIL	19/08/2011	377305	7026646	VAN11004465	1.6	58.7	11.7	48.1	0.31	53.4	11.7	6.9	0.3	403
1383165	SOIL	19/08/2011	377406	7026636	VAN11004465	0.7	121.7	16	47	0.16	42.4	15.1	11.4	0.3	224
1383166	SOIL	19/08/2011	377486	7026684	VAN11004465	1.1	132.9	15.2	53.5	0.16	40.7	17.3	18.7	0.3	252
1383167	SOIL	19/08/2011	377545	7026601	VAN11004465	0.7	24.8	2.2	18	0.02	7.7	8.3	4.9	0.1	45
1383168	SOIL	19/08/2011	377643	7026586	VAN11004465	1.7	9.2	0.5	26	0.02	25.4	16.7	4.9	0.3	115
1383169	SOIL	19/08/2011	377735	7026545	VAN11004465	4.3	63.2	6.7	28.2	0.04	38.5	19.8	12	0.2	261
1383174	SOIL	19/08/2011	374411	7030443	VAN11004465	0.5	27.5	1.2	26.1	0.08	22.2	21	3.7	0.1	95
1383175	SOIL	19/08/2011	374443	7030348	VAN11004465	0.4	30.4	3.1	16.2	0.1	9.5	19.8	7.6	0.2	44
1383176	SOIL	19/08/2011	374424	7030249	VAN11004465	4.8	134.4	7.3	62.6	0.4	20.9	32.7	14.9	0.5	91
1383177	SOIL	19/08/2011	374387	7030154	VAN11004465	1.1	162.8	34	38.3	0.08	7.7	29.8	12.6	0.3	69
1383178	SOIL	19/08/2011	374353	7030061	VAN11004465	18	72.8	12.6	83	4.03	3.9	34.7	39.4	2	17
1383179	SOIL	19/08/2011	374259	7030023	VAN11004465	4.9	22.4	4.7	42.5	0.72	8.2	25.4	19.6	1.6	42
1383180	SOIL	19/08/2011	374256	7029922	VAN11004465	7.6	3.5	0.7	49	0.11	4.2	7.5	2.8	0.3	14
1383181	SOIL	19/08/2011	374323	7029845	VAN11004465	15.4	133	6.1	286.6	1.06	29.7	19.9	41.9	3.6	107
1383182	SOIL	19/08/2011	374420	7029866	VAN11004465	6.1	107.9	0.5	120.3	0.44	11.8	28.1	78.7	5.9	46
1383183	SOIL	19/08/2011	374503	7029921	VAN11004465	3.1	9.1	1.9	25.2	0.7	4.9	25.1	6.8	1.2	25
1383184	SOIL	19/08/2011	374561	7030002	VAN11004465	1.9	422.2	11.8	118.7	0.04	20.6	42.5	16.7	0.4	204
1383185	SOIL	19/08/2011	374619	7030086	VAN11004465	1	53.8	6	19.2	0.04	6.7	10.1	3.2	0.1	58
1383186	SOIL	19/08/2011	374627	7030185	VAN11004465	1.8	24.9	3.9	75.2	0.09	19.8	28.1	5.3	0.2	118
1383187	SOIL	19/08/2011	374731	7030187	VAN11004465	2.1	73	23.2	44.1	0.41	26.8	15.6	10.2	0.4	86
1383188	SOIL	19/08/2011	374829	7030155	VAN11004465	1.7	55.5	22.4	44.2	1	74.4	14.5	34.7	0.7	298
1383189	SOIL	19/08/2011	374920	7030117	VAN11004465	1.5	112.8	17.2	39.3	0.13	10.6	34.1	14.5	0.1	46
1383305	SOIL	02/09/2011	379773	7027372	VAN11004726	1.1	1246.8	123.8	44.6	0.07	26.3	28.1	16.3	0.2	85
1383306	SOIL	02/09/2011	379729	7027347	VAN11004726	0.3	7.5	2.5	4.1	0.05	2.1	1.3	0.7	0.1	9
1383307	SOIL	02/09/2011	379704	7027301	VAN11004726	0.6	5.8	4.3	4.1	0.03	1.5	4.3	1.5	0.1	7
1383308	SOIL	02/09/2011	379675	7027259	VAN11004726	0.5	35.1	2.9	15.2	0.06	5.1	4.9	1.3	0.1	23
1383309	SOIL	02/09/2011	379668	7027209	VAN11004726	0.3	167.1	3.3	29.6	0.02	31.8	5.1	4	0.1	116
1383310	SOIL	02/09/2011	379667	7027158	VAN11004726	5.8	1350.8	100.1	272.8	0.27	123.6	14.7	30.2	0.6	170
1383311	SOIL	02/09/2011	379625	7027125	VAN11004726	0.7	373.9	38.6	70.3	0.08	15.8	16.2	11.6	0.1	86
1383312	SOIL	02/09/2011	379592	7027088	VAN11004726	1.5	81.9	16.5	131.7	0.29	103.4	21.9	10.7	0.2	222
1383313	SOIL	02/09/2011	379572	7027040	VAN11004726	0.5	78	20.2	175.4	0.1	22.5	41.1	17	0.2	93
1383314	SOIL	02/09/2011	379581	7026991	VAN11004726	1.4	588.2	22.8	181.8	0.07	74.2	31.8	129.1	0.3	65
1383315	SOIL	02/09/2011	379552	7026950	VAN11004726	2.3	1053.8	626.7	269.9	0.15	70.4	33.9	97.9	0.6	208
1383316	SOIL	02/09/2011	379524	7026904	VAN11004726	0.8	83.4	7.8	26.3	0.18	10.5	6.2	5.9	0.1	56
1383317	SOIL	02/09/2011	379475	7026920	VAN11004726	1	281.3	50.9	37	0.13	6.6	12.6	33.3	0.2	35
1383318	SOIL	02/09/2011	379462	7026971	VAN11004726	1.3	482.1	77	110.9	0.13	21.2	15.3	47.5	0.3	62
1383319	SOIL	02/09/2011	379441	7027020	VAN11004726	1.1	82.7	24.2	102.5	0.13	35.7	25.9	20.7	0.2	183
1383320	SOIL	02/09/2011	379420	7027067	VAN11004726	2.2	22.6	6.8	17.3	0.09	4.9	4.4	4.3	0.1	21
1383321	SOIL	02/09/2011	379371	7027084	VAN11004726	1.1	307.3	356.3	71.6	0.07	23.5	12.8	19.9	0.1	104

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag PPM	As PPM	Au PPB	Cu PPM	Hg PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1383322	SOIL	02/09/2011	379337	7027123	VAN11004726	1.5	49.1	10.3	58.5	0.12	91.1	7.7	14.1	0.1	309
1383323	SOIL	02/09/2011	379328	7027172	VAN11004726	1.1	211.7	17.9	103	0.05	114.4	17.9	25.4	0.5	216
1383324	SOIL	02/09/2011	379276	7027180	VAN11004726	0.6	134.3	13.6	42.7	0.03	53	10.7	7.5	0.2	143
1383325	SOIL	02/09/2011	379227	7027191	VAN11004726	0.7	234.5	12	18	0.07	13.2	12.6	13.8	0.2	67
1383326	SOIL	02/09/2011	379174	7027195	VAN11004726	0.7	135.3	25.2	22.5	0.04	16.5	13.2	22.1	0.2	77
1383327	SOIL	02/09/2011	379123	7027188	VAN11004726	0.3	142.9	24.5	15.8	0.04	6.8	9.3	19.1	0.2	57
1383328	SOIL	02/09/2011	379071	7027197	VAN11004726	0.6	223.8	32.2	22.3	0.02	11.2	11.6	28.8	0.3	66
1383329	SOIL	02/09/2011	379041	7027152	VAN11004726	0.6	67.6	6.8	8.9	0.05	6.2	5.2	16	0.1	30
1383330	SOIL	02/09/2011	379007	7027114	VAN11004726	0.4	37.2	4.4	39.5	0.06	19.6	9	6.3	0.1	91
1383331	SOIL	02/09/2011	378963	7027090	VAN11004726	0.4	210.7	38.3	51.9	0.05	117.2	6	27.9	0.1	384
1383332	SOIL	02/09/2011	378945	7027043	VAN11004726	3.8	87.1	29.2	122.3	0.12	40.1	15.7	16	0.2	180
1383333	SOIL	02/09/2011	378905	7027005	VAN11004726	0.4	44.9	7.3	135.3	0.07	77.4	24.9	9.3	0.7	298
1383334	SOIL	02/09/2011	378855	7026992	VAN11004726	0.7	136	14.6	164.5	0.07	91.2	19.9	58.4	0.2	503
1383335	SOIL	02/09/2011	378809	7026971	VAN11004726	1.2	58.4	43.1	126.4	0.09	64.4	12.1	24.1	0.5	134
1383336	SOIL	02/09/2011	378760	7026983	VAN11004726	0.6	4.8	1.1	9.7	0.04	4.8	1.8	1.7	0.1	20
1383337	SOIL	02/09/2011	378720	7027015	VAN11004726	1.1	47.7	5.7	38	0.06	27.6	14.4	8.3	0.3	113
1383338	SOIL	02/09/2011	378707	7027067	VAN11004726	0.6	323.2	9.5	133.9	0.18	145.1	15	64.3	0.2	355
1383339	SOIL	02/09/2011	378688	7027114	VAN11004726	1.1	108.2	13.3	113	0.17	88.5	9.6	20.9	0.1	336
1383340	SOIL	02/09/2011	378656	7027152	VAN11004726	3.4	66	20	84.9	0.1	31.4	25.3	12.3	0.2	142
1383341	SOIL	02/09/2011	378638	7027201	VAN11004726	1.5	138.5	18	173.7	0.07	40.5	14.7	4.7	0.1	115
1383342	SOIL	02/09/2011	378620	7027249	VAN11004726	2.4	502.5	83.6	129.6	0.04	34.5	62.4	31.2	0.3	153
1383343	SOIL	02/09/2011	378582	7027256	VAN11004726	2.1	657.5	72.2	116.7	0.02	266.4	24.7	78.9	0.1	943
1383474	SOIL	19/08/2011	385436	7028754	VAN11004465	0.9	26.2	4.4	32.6	0.08	28	15.5	3	0.2	84
1383475	SOIL	19/08/2011	385439	7028652	VAN11004465	0.2	17.3	3	26.7	0.05	33.2	21.9	1.5	0.1	94
1383476	SOIL	19/08/2011	385430	7028549	VAN11004465	0.1	12.9	2.3	20.9	0.03	15	14.8	1.1	0.1	49
1383477	SOIL	19/08/2011	385406	7028452	VAN11004465	0.2	18.6	2.3	18.4	0.02	25.7	19.9	1.4	0.1	75
1383478	SOIL	19/08/2011	385487	7028392	VAN11004465	0.1	11	1.1	17.6	0.02	14.1	20.5	0.6	0.1	71
1383479	SOIL	19/08/2011	385576	7028447	VAN11004465	0.3	15.9	1.2	19.8	0.04	16.8	16.2	0.9	0.2	65
1383480	SOIL	19/08/2011	385673	7028434	VAN11004465	0.1	16.6	1.5	23.3	0.03	21	19.7	0.8	0.1	75
1383481	SOIL	19/08/2011	385725	7028347	VAN11004465	0.2	23.7	2.4	38.1	0.04	37.9	25.8	1	0.4	120
1383482	SOIL	19/08/2011	385769	7028255	VAN11004465	0.2	13.7	1.1	18.8	0.04	19.6	18.4	0.7	0.2	63
1383483	SOIL	19/08/2011	385811	7028162	VAN11004465	0.3	17.4	1.2	18.6	0.04	17.7	21.2	0.9	0.1	65
1383484	SOIL	19/08/2011	385909	7028168	VAN11004465	0.1	9.4	1.3	21.6	0.02	17.2	14.3	0.5	0.1	54
1383485	SOIL	19/08/2011	385970	7028086	VAN11004465	0.2	16.1	0.7	17.1	0.02	14.5	21.3	0.8	0.1	57
1383486	SOIL	19/08/2011	386050	7028146	VAN11004465	0.1	13.4	0.7	18.6	0.03	23.5	13.4	1	0.1	79
1383487	SOIL	19/08/2011	386150	7028146	VAN11004465	0.1	12.4	1	17.1	0.03	24.1	13.6	0.9	0.1	78
1383488	SOIL	19/08/2011	386220	7028057	VAN11004465	0.2	12.1	1	29.2	0.02	28.2	14.5	0.5	0.2	71
1383489	SOIL	19/08/2011	386301	7027995	VAN11004465	0.2	13.6	1	30	0.02	27.1	19.4	0.6	0.3	75
1383490	SOIL	19/08/2011	386401	7028005	VAN11004465	0.1	13	1.3	16.3	0.02	17.8	11.7	1.2	0.1	70
1383491	SOIL	19/08/2011	386500	7027991	VAN11004465	0.1	18.3	0.8	20.4	0.02	21.9	18.2	1	0.2	71
1383492	SOIL	19/08/2011	386564	7027915	VAN11004465	0.1	19.2	0.9	19.3	0.03	18.6	17.9	1.2	0.2	71
1383493	SOIL	19/08/2011	386563	7027816	VAN11004465	0.1	16.7	1.5	25.4	0.04	24.3	18.5	1.2	0.2	80
1383494	SOIL	19/08/2011	386607	7027729	VAN11004465	0.1	11.1	0.5	13.2	0.03	11.8	16.1	0.6	0.1	38
1383495	SOIL	19/08/2011	386684	7027794	VAN11004465	0.1	14.4	1.3	17.6	0.03	15.5	20.7	0.7	0.1	55
1383496	SOIL	19/08/2011	386705	7027895	VAN11004465	0.1	18.6	0.5	24.6	0.02	13.3	19.3	1.1	0.2	53
1383497	SOIL	19/08/2011	386700	7027997	VAN11004465	0.1	13.8	0.5	18.9	0.01	13.4	11.5	0.9	0.1	54
1383498	SOIL	19/08/2011	386636	7028075	VAN11004465	0.1	14.5	0.5	18	0.04	17.8	15.4	1.1	0.2	65
1383499	SOIL	19/08/2011	386561	7028141	VAN11004465	0.1	15.4	0.7	23.7	0.04	25.2	15.2	1.1	0.2	80
1383500	SOIL	19/08/2011	386489	7028213	VAN11004465	0.1	14.3	1.3	19.7	0.04	18.5	16.5	1.1	0.2	68
1383591	SOIL	08/09/2011	388295	7024700	WHI11001431	0.9	18.1	3.6	27.6	0.33	26	15.4	1.2	0.3	111
1383592	SOIL	08/09/2011	388300	7024751	WHI11001431	0.6	12.4	4.3	33.3	0.22	25.2	9.6	2.1	0.2	140
1383593	SOIL	08/09/2011	388297	7024804	WHI11001431	0.6	7.3	0.5	24.5	0.38	13.4	7.5	1.6	0.3	59
1383594	SOIL	08/09/2011	388300	7024850	WHI11001431	0.9	13.5	4.3	33.7	0.33	22.3	11.4	2.1	0.3	131
1383595	SOIL	08/09/2011	388301	7024901	WHI11001431	1.5	10.8	2.6	30.7	0.32	21.5	10	1.5	0.2	84

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag PPM	As PPM	Au PPB	Cu PPM	Hg PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1383596	SOIL	08/09/2011	388300	7024951	WHI11001431	0.2	14.4	0.6	30.4	0.06	34.2	21.6	0.4	0.1	102
1383597	SOIL	08/09/2011	388302	7024998	WHI11001431	0.2	13.4	1.3	36.4	0.05	27.1	24.8	0.7	0.2	85
1383598	SOIL	08/09/2011	388327	7025001	WHI11001431	0.3	20.2	1.2	41.6	0.06	20.5	23.7	0.6	0.2	69
1383599	SOIL	08/09/2011	388351	7024996	WHI11001431	0.1	15.9	1.4	24.8	0.04	27.2	17.7	0.6	0.1	76
1383600	SOIL	08/09/2011	388374	7024997	WHI11001431	0.1	9.3	2.7	16.9	0.05	7.8	8.4	1.1	0.1	52
1383608	SOIL	02/09/2011	379542	7026928	VAN11004726	4.7	4050.2	1006.8	188.9	0.08	12.8	48.1	216.4	0.3	89
1383609	SOIL	02/09/2011	379526	7026978	VAN11004726	2.4	151.7	30.2	160.8	0.28	37.2	23.2	26.2	0.2	119
1383610	SOIL	02/09/2011	379525	7027030	VAN11004726	1.7	213.5	18.4	139.2	0.19	18.2	17.9	15.2	0.4	33
1383611	SOIL	02/09/2011	379519	7027079	VAN11004726	7.6	54.8	15.6	122.4	0.9	164.2	23.9	8.3	0.2	2250
1383612	SOIL	02/09/2011	379515	7027099	VAN11004726	0.7	6.7	2.1	43.6	0.07	54.6	7.2	4.1	0.1	250
1383613	SOIL	02/09/2011	379508	7027129	VAN11004726	0.6	14.1	1.4	13.4	0.06	5.1	3.2	1.5	0.1	47
1383614	SOIL	02/09/2011	379507	7027166	VAN11004726	3.6	179.2	56.7	193.5	0.2	21.3	26.5	11.3	0.3	116
1383615	SOIL	02/09/2011	379501	7027196	VAN11004726	0.3	74.3	6.6	35	0.06	11.2	4.9	4.3	0.1	44
1383616	SOIL	02/09/2011	379488	7027237	VAN11004726	0.9	33.1	28.7	16	0.02	17.3	3.1	0.6	0.1	46
1383617	SOIL	02/09/2011	379479	7027271	VAN11004726	1.2	726.1	30.8	174.2	0.07	156.9	15.1	22	0.1	414
1383618	SOIL	02/09/2011	379697	7026928	VAN11004726	3.6	10000	5679.2	301.3	0.08	34.6	54.9	164.4	1.5	135
1383619	SOIL	02/09/2011	379660	7026892	VAN11004726	3.3	10000	3260.7	176.9	0.06	25	44.5	61.8	1.3	139
1383620	SOIL	02/09/2011	379611	7026908	VAN11004726	2.3	2947.9	871.2	320.7	0.05	40.6	30.3	122.9	1.2	192
1383621	SOIL	02/09/2011	379635	7026953	VAN11004726	2.3	7686.7	2655	302.4	0.15	70	122.8	482.5	0.7	279
1383622	SOIL	02/09/2011	379657	7026999	VAN11004726	2.5	359.9	47.8	108.6	0.12	20	39	36.1	0.3	64
1383623	SOIL	02/09/2011	379700	7026976	VAN11004726	1.5	415.4	52.9	153.7	0.15	43.7	26.6	43.1	0.2	146
1383624	SOIL	02/09/2011	379745	7026958	VAN11004726	1.3	474.1	15.1	137.3	0.1	21.9	14.2	22.1	0.1	94
1383625	SOIL	02/09/2011	379723	7026912	VAN11004726	1	2657.9	699.6	120.1	0.08	19.5	21.7	47.5	0.4	90
1383626	SOIL	02/09/2011	379684	7026870	VAN11004726	4.9	1101.7	129.2	166.9	0.14	20.6	33.4	83.4	0.3	117
1383731	SOIL	08/09/2011	380250	7027049	WHI11001431	0.1	27.2	7.9	10.5	0.06	5.2	6.4	1.7	0.1	29
1383732	SOIL	08/09/2011	380246	7026998	WHI11001431	0.1	45.6	128.8	8.5	0.02	4.5	8	3.3	0.1	23
1383733	SOIL	08/09/2011	380296	7026995	WHI11001431	0.3	24.5	7.2	38.8	0.11	37.1	12.2	2.7	0.2	154
1383734	SOIL	08/09/2011	380343	7026973	WHI11001431	0.4	14.2	10.7	10.9	0.06	4.2	6.4	2.3	0.1	24
1383735	SOIL	08/09/2011	380353	7026922	WHI11001431	0.4	43.2	4.9	11.1	0.02	5.1	10.2	4.7	0.1	25
1383736	SOIL	08/09/2011	380355	7026871	WHI11001431	0.3	56.5	7.9	13.7	0.02	8.4	11.4	4.2	0.2	38
1383737	SOIL	08/09/2011	380358	7026818	WHI11001431	0.6	101.2	2.8	18.9	0.04	12.1	14.1	5.1	0.2	53
1383738	SOIL	08/09/2011	380361	7026769	WHI11001431	0.3	62.2	3.9	14.3	0.02	10.6	16.1	4.9	0.2	58
1383739	SOIL	08/09/2011	380367	7026718	WHI11001431	0.8	21.3	4.8	10.4	0.02	7.7	12.2	2.2	0.2	51
1383740	SOIL	08/09/2011	380385	7026668	WHI11001431	0.4	18.3	7.6	6.2	0.02	4.4	5.6	1.3	0.1	21
1383741	SOIL	08/09/2011	380393	7026615	WHI11001431	0.4	38.5	7.3	10.7	0.03	8.3	10.5	2.4	0.2	41
1383742	SOIL	08/09/2011	380405	7026562	WHI11001431	0.4	103.7	14	15.8	0.05	7.4	18.8	4.7	0.2	49
1383743	SOIL	08/09/2011	380439	7026523	WHI11001431	0.3	19.5	7.5	6.3	0.01	4.7	9.4	1.5	0.1	29
1383744	SOIL	08/09/2011	380493	7026517	WHI11001431	8.3	110.8	13.3	28.4	4.53	3.6	34.5	28.3	1.2	46
1383745	SOIL	08/09/2011	380538	7026537	WHI11001431	1.2	17.6	1.5	13.9	0.11	5.7	15.7	3.4	0.1	14
1383746	SOIL	08/09/2011	380584	7026568	WHI11001431	1	62.2	16.1	17.2	0.09	4.3	7.4	1.2	0.1	26
1383747	SOIL	08/09/2011	380633	7026558	WHI11001431	2.2	79.3	25	16.1	0.12	5.3	11.2	2.7	0.2	29
1383748	SOIL	08/09/2011	380683	7026527	WHI11001431	2.1	31.2	4.4	21.2	0.06	3.9	11.2	11.3	0.8	19
1383749	SOIL	08/09/2011	380720	7026492	WHI11001431	5.1	329.3	3	45.4	15.31	15.9	24	43.5	4.7	65
1383750	SOIL	08/09/2011	380771	7026504	WHI11001431	2.3	16.4	2.3	11.3	0.2	4.1	14.5	9.6	0.8	28
1384501	SOIL	19/08/2011	386420	7028283	VAN11004465	0.1	11.6	1.1	14.4	0.03	10.1	12.4	1.1	0.1	42
1384502	SOIL	19/08/2011	386379	7028380	VAN11004465	0.2	27.7	2.6	24.6	0.05	22.6	18.7	2	0.2	87
1384503	SOIL	19/08/2011	386389	7028483	VAN11004465	0.1	24.1	1.5	16.9	0.02	13.9	12.3	2.6	0.2	61
1384504	SOIL	19/08/2011	386394	7028586	VAN11004465	0.2	46.6	2.7	37.7	0.11	35.6	23	3.4	0.3	135
1384505	SOIL	19/08/2011	386449	7028668	VAN11004465	0.2	11.9	8.4	65.2	0.03	13.4	12.8	1.3	0.1	64
1384506	SOIL	19/08/2011	386432	7028772	VAN11004465	0.4	47.6	16.3	158.7	0.04	41.6	23.6	4.7	0.1	174
1384507	SOIL	19/08/2011	386522	7028727	VAN11004465	0.8	228.2	51.4	77.8	0.3	44.5	16.1	26.1	0.3	188
1384508	SOIL	19/08/2011	386598	7028631	VAN11004465	0.2	38.1	10.3	93.9	0.02	26.7	22.4	5	0.1	124
1384509	SOIL	19/08/2011	386684	7028577	VAN11004465	0.2	21.7	6.5	38.8	0.03	16	23.5	3.6	0.1	118
1384510	SOIL	19/08/2011	386818	7028510	VAN11004465	0.1	35.4	8.3	47.3	0.05	18.8	17.7	4.3	0.1	89

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag PPM	As PPM	Au PPB	Cu PPM	Hg PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1384511	SOIL	19/08/2011	386916	7028485	VAN11004465	0.1	21.7	2.7	57.3	0.04	16.1	20.1	2.5	0.1	117
1384667	SOIL	20/08/2011	365257	7035509	VAN11004465	0.5	16.7	2.8	42.7	0.03	23	15.1	2	0.1	88
1384668	SOIL	20/08/2011	365155	7035512	VAN11004465	0.8	13.2	0.5	24.7	0.02	14.6	13.2	1.9	0.1	67
1384669	SOIL	20/08/2011	365054	7035521	VAN11004465	7	35.9	6.7	13.1	4.9	2.4	45.1	3.5	0.8	9
1384670	SOIL	20/08/2011	364958	7035577	VAN11004465	1.8	6.5	0.5	4.1	0.27	0.7	30.8	3.7	1.4	1
1384671	SOIL	20/08/2011	364893	7035659	VAN11004465	0.5	5	0.5	5.1	0.07	2.3	8.4	2.1	0.1	11
1384672	SOIL	20/08/2011	364841	7035746	VAN11004465	1.2	25.9	2.8	20.7	0.08	15.3	16.5	2.7	0.1	70
1384673	SOIL	20/08/2011	364809	7035846	VAN11004465	0.5	9.1	0.5	14.4	0.04	10.5	12	1.3	0.1	52
1384674	SOIL	20/08/2011	364787	7035948	VAN11004465	0.5	21.3	2.9	28.3	0.05	15.5	15.7	3	0.2	80
1384675	SOIL	20/08/2011	364814	7036048	VAN11004465	0.6	20.7	1.3	75.9	0.06	35.9	14.4	4.6	0.1	135
1384676	SOIL	20/08/2011	364844	7036153	VAN11004465	0.4	20.7	7.5	66.2	0.07	36.8	16.8	2.4	0.1	131
1384677	SOIL	20/08/2011	364268	7035681	VAN11004465	3.2	43.5	14.5	119	0.59	65.4	21.3	6.5	0.4	251
1384678	SOIL	20/08/2011	364274	7035578	VAN11004465	11.2	110.6	10.1	45.8	0.7	27.2	40.1	17.5	0.7	144
1384679	SOIL	20/08/2011	364284	7035476	VAN11004465	4	22	1.8	22.5	0.17	18.2	26.2	5.7	0.3	96
1384680	SOIL	20/08/2011	364279	7035370	VAN11004465	1.5	42.4	8.3	49.2	0.1	29	17.7	6	0.2	150
1384681	SOIL	20/08/2011	364302	7035270	VAN11004465	2.1	46.9	8.8	69.6	0.14	58.6	20.6	9.4	0.4	340
1384682	SOIL	20/08/2011	364331	7035171	VAN11004465	0.6	14.5	1.5	46.8	0.02	23.8	17	3.4	0.2	146
1384683	SOIL	20/08/2011	364381	7035077	VAN11004465	1.3	36.7	2.8	50.5	0.09	41.5	30.4	5.5	0.3	229
1384684	SOIL	20/08/2011	364461	7034998	VAN11004465	1.6	19.3	0.5	24.4	0.02	12.4	26.1	8.2	0.5	78
1384685	SOIL	20/08/2011	364548	7034936	VAN11004465	0.6	14.5	0.5	24.1	0.02	17.1	14.1	2.4	0.2	97
1384686	SOIL	20/08/2011	364645	7034906	VAN11004465	4.6	26.2	3	25.1	0.09	15.4	21.1	3.1	0.4	91
1384687	SOIL	20/08/2011	364745	7034859	VAN11004465	2.1	26.1	3.1	32.6	0.12	18.8	17.9	3.5	0.2	89
1384688	SOIL	20/08/2011	364838	7034821	VAN11004465	2.2	23.1	2.4	22.7	0.08	15.7	20.5	2.7	0.2	100
1384689	SOIL	20/08/2011	364933	7034788	VAN11004465	0.6	29.6	4.5	45.4	0.05	29.9	16.2	4.3	0.2	141
1384690	SOIL	20/08/2011	365035	7034794	VAN11004465	0.7	32.3	3.3	35	0.03	25.3	16.6	3.4	0.2	121
1384691	SOIL	20/08/2011	365143	7034795	VAN11004465	0.8	52.9	8.3	77.9	0.06	38	11.9	4.6	0.3	217
1384692	SOIL	20/08/2011	365188	7034700	VAN11004465	1.7	25	13.1	54.6	0.49	43.4	17.1	3.4	0.3	219
1384693	SOIL	20/08/2011	365140	7034609	VAN11004465	0.9	38.7	10.9	46.5	0.28	31.4	23.9	3.9	0.3	141
1384694	SOIL	20/08/2011	365092	7034513	VAN11004465	0.4	27.7	7.1	32.1	0.06	16.1	18.9	3.3	0.2	83
1384695	SOIL	20/08/2011	365071	7034404	VAN11004465	0.6	29.1	6.8	34.5	0.07	22.4	15.8	3.4	0.2	114
1384696	SOIL	20/08/2011	364971	7034413	VAN11004465	0.4	24.7	4.3	27.6	0.04	16.9	17.3	2.9	0.2	85
1384697	SOIL	20/08/2011	364892	7034480	VAN11004465	0.3	21.4	3.6	19.5	0.03	11.5	16.3	2.5	0.2	59
1384698	SOIL	20/08/2011	364789	7034480	VAN11004465	0.8	28.8	4.5	32.4	0.05	22.8	20.9	3.2	0.2	98
1384699	SOIL	20/08/2011	364699	7034414	VAN11004465	0.3	20.5	4.8	39.7	0.03	17.8	13	3	0.1	92
1384700	SOIL	20/08/2011	364605	7034377	VAN11004465	1.6	39.3	10.8	68.3	0.11	31.1	15.7	4.6	0.2	136
1384701	SOIL	20/08/2011	364502	7034364	VAN11004465	0.6	36.8	5.9	34.2	0.05	17.5	22.3	4.3	0.2	84
1384702	SOIL	20/08/2011	364421	7034291	VAN11004465	0.7	25.1	10.2	49.6	0.04	24.7	13.8	3.4	0.1	117
1384703	SOIL	20/08/2011	364336	7034237	VAN11004465	0.3	23.4	2.6	19.9	0.02	12.3	18.4	2.5	0.2	57
1384704	SOIL	20/08/2011	364320	7034132	VAN11004465	1	25.3	15.1	50.7	0.13	23.2	13.9	4.2	0.1	97
1384758	SOIL	08/09/2011	388396	7024999	WHI11001431	0.3	18	2.9	41.7	0.08	25.3	27.6	1.1	0.2	95
1384759	SOIL	08/09/2011	388275	7024999	WHI11001431	0.3	3.7	1.8	24.5	0.04	3.7	8.8	0.3	0.1	20
1384760	SOIL	08/09/2011	388241	7024987	WHI11001431	0.6	16	241.1	540.9	0.07	17.1	72.9	3	0.1	146
1384761	SOIL	08/09/2011	388191	7025000	WHI11001431	0.8	10.7	5.7	160.5	0.13	11.9	41.7	0.8	0.2	70
1384762	SOIL	08/09/2011	388175	7024999	WHI11001431	0.7	28.1	6	482.1	0.14	14.9	170.5	1.7	0.2	73
1384763	SOIL	08/09/2011	388151	7024997	WHI11001431	1	25.4	5.6	289.5	0.08	10	172.4	1.6	0.1	48
1384764	SOIL	08/09/2011	388150	7025050	WHI11001431	0.3	15.2	26.7	141.2	0.04	14.8	22.8	1.6	0.1	75
1384765	SOIL	08/09/2011	388150	7025097	WHI11001431	0.9	18	4.1	47.9	0.05	11.1	11.3	1.6	0.1	62
1384766	SOIL	08/09/2011	388149	7025198	WHI11001431	1.2	17.2	27.7	269.5	0.09	57.9	95.9	1	0.1	230
1384767	SOIL	08/09/2011	388300	7025149	WHI11001431	0.1	3.2	0.5	13	0.03	7	4.9	0.2	0.1	17
1384768	SOIL	08/09/2011	388296	7025102	WHI11001431	0.1	7.6	0.5	15.4	0.03	5.1	10.2	0.3	0.1	22
1384769	SOIL	08/09/2011	388298	7025050	WHI11001431	0.2	9.2	0.5	14.7	0.01	6	13.9	0.4	0.1	26
1384770	SOIL	08/09/2011	388126	7024995	WHI11001431	0.1	3.7	1.4	81.7	0.03	3.3	16.1	0.5	0.1	13
1384771	SOIL	08/09/2011	388100	7024997	WHI11001431	0.2	2.1	0.6	17.8	0.03	3.6	3.9	0.3	0.1	16
1384772	SOIL	08/09/2011	388077	7024996	WHI11001431	0.3	14.9	4.7	501	0.09	13.2	20.8	1	0.1	61

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPB	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPM	Sb_PPM	Tl_PPM	Zn_PPM
1384773	SOIL	08/09/2011	388051	7024998	WHI11001431	0.4	1.8	1.4	72.9	0.09	6.7	8.4	0.2	0.1	14
1384774	SOIL	08/09/2011	388024	7024992	WHI11001431	0.6	3.5	2	37.6	0.07	5.1	7.5	0.3	0.1	18
1384775	SOIL	08/09/2011	388001	7024997	WHI11001431	1.4	5.9	7.5	74.3	0.59	5	19.1	0.5	0.2	14
1384776	SOIL	08/09/2011	387974	7025001	WHI11001431	2.5	14.4	46.6	187.8	13.72	15.9	87.5	7.3	1	43
1384777	SOIL	08/09/2011	388003	7024959	WHI11001431	1.2	10.3	9.2	59.4	0.28	7.2	52.4	0.9	0.2	37
1384778	SOIL	08/09/2011	388005	7024898	WHI11001431	0.1	1.9	1	16.2	0.02	2.1	3.7	0.2	0.1	10
1384779	SOIL	08/09/2011	388002	7024853	WHI11001431	0.1	10.7	1.5	13	0.01	7.9	6.8	1.6	0.1	40
1384780	SOIL	08/09/2011	388000	7024799	WHI11001431	0.8	7.3	1.7	39.5	0.13	10.6	11.7	0.6	0.1	34
1384781	SOIL	08/09/2011	388004	7024748	WHI11001431	0.7	18.8	3.3	21.6	0.08	12.8	11.9	2.3	0.2	67
1384782	SOIL	08/09/2011	387998	7024704	WHI11001431	0.7	22.9	5.5	24.1	0.12	17.9	14.8	2.8	0.2	101
1384783	SOIL	08/09/2011	388005	7025206	WHI11001431	2.6	21.2	15.2	83.5	0.29	27.7	26.1	2.2	0.2	96
1384784	SOIL	08/09/2011	388005	7025206	WHI11001431	0.6	13	12.2	104.2	0.05	17.5	26.3	1.6	0.1	108
1384785	SOIL	08/09/2011	388004	7025151	WHI11001431	0.3	11.4	5.3	104.1	0.04	9.6	13.7	1.1	0.1	49
1384786	SOIL	08/09/2011	388002	7025101	WHI11001431	0.2	0.5	0.5	8.4	0.02	2	1.9	0.1	0.1	8
1384787	SOIL	08/09/2011	387998	7025048	WHI11001430	0.7	255	27.6	108.3	0.09	65.8	17.6	5.5	0.3	199
1384788	SOIL	09/09/2011	379920	7026983	WHI11001430	0.5	93.1	15	27.3	0.06	13.8	12.6	3.8	0.1	64
1384789	SOIL	09/09/2011	379888	7026957	WHI11001430	0.2	4.6	1.9	6.7	0.03	2.4	2.8	0.6	0.1	10
1384791	SOIL	09/09/2011	379845	7026919	WHI11001430	0.4	115.5	18	32.2	0.06	9.1	13.6	5.6	0.1	50
1384792	SOIL	09/09/2011	379852	7026893	WHI11001430	1.8	1109.4	296.3	96.8	0.15	20.8	21.4	28.7	0.2	65
1384793	SOIL	09/09/2011	379850	7026869	WHI11001430	0.3	136.5	27.7	24.7	0.02	6.7	7.5	4.7	0.1	35
1384794	SOIL	09/09/2011	379843	7026831	WHI11001430	0.4	113.7	12.6	20.7	0.06	12	12.3	4.4	0.2	73
1384795	SOIL	09/09/2011	379820	7026813	WHI11001430	0.3	133.8	10.5	23.3	0.13	15.4	11	4.3	0.1	74
1384796	SOIL	09/09/2011	379796	7026801	WHI11001430	0.3	145.6	9.4	21.6	0.04	17.8	12	4.2	0.2	64
1384797	SOIL	09/09/2011	379781	7026780	WHI11001430	2.5	5063.9	1338.5	254.8	0.08	37.7	34.3	124.7	0.7	127
1384798	SOIL	09/09/2011	379770	7026757	WHI11001430	1.7	560.2	79.2	61.2	0.08	14.3	34.1	14.7	0.2	72
1384799	SOIL	09/09/2011	379748	7026741	WHI11001430	1	305.2	42.3	52.1	0.05	15.2	28.1	14.1	0.2	70
1384800	SOIL	09/09/2011	379728	7026722	WHI11001430	6	882.4	98.3	138.8	0.61	21.1	54.2	74.4	0.6	91
1384806	SOIL	19/08/2011	385602	7029149	VAN11004465	1.1	120.9	18.9	92.4	0.16	101.1	18.3	25.6	0.6	320
1384807	SOIL	19/08/2011	385672	7029071	VAN11004465	0.8	121.5	23.5	86.7	0.12	46.1	14.5	30.7	0.6	154
1384808	SOIL	19/08/2011	385746	7029004	VAN11004465	1.2	97.3	44.3	117	0.1	147	16.6	34.8	0.7	387
1384809	SOIL	19/08/2011	385804	7028922	VAN11004465	0.4	58.9	8.6	88.7	0.09	154.3	10.6	32.1	0.3	501
1384810	SOIL	19/08/2011	385888	7028870	VAN11004465	0.3	50.7	13.7	49	0.07	63.3	10.9	20.8	0.2	176
1384811	SOIL	19/08/2011	385992	7028882	VAN11004465	1.5	251.1	34.8	102	0.11	56.8	21.5	51.3	0.6	201
1384812	SOIL	19/08/2011	386083	7028946	VAN11004465	0.6	154.8	11.1	73.1	0.07	24.4	22.9	7.3	0.2	107
1384813	SOIL	19/08/2011	386110	7029041	VAN11004465	0.3	30.7	2.5	35.3	0.02	27.8	13.1	3.9	0.1	129
1384814	SOIL	19/08/2011	386187	7029114	VAN11004465	0.4	26.9	6.3	32.5	0.07	20.1	9.7	5	0.1	78
1384815	SOIL	19/08/2011	386289	7029129	VAN11004465	0.2	118.1	17.7	57.1	0.04	35	28.4	7.5	0.2	136
1384816	SOIL	19/08/2011	386389	7029104	VAN11004465	0.2	118.1	6.3	56.9	0.06	43.1	18.3	8.8	0.2	159
1384817	SOIL	19/08/2011	386452	7029186	VAN11004465	0.4	26.8	4.5	61.2	0.05	34.4	14.7	6.3	0.1	120
1384818	SOIL	19/08/2011	386555	7029186	VAN11004465	0.9	63.1	22.2	55.2	0.29	34.5	20.7	7.9	0.7	147
1384819	SOIL	19/08/2011	386649	7029218	VAN11004465	0.8	55.5	8.6	85.8	0.11	57.5	18	4.4	0.3	197
1384820	SOIL	19/08/2011	386750	7029210	VAN11004465	0.3	152.2	18	74.3	0.06	52.7	18.6	4.6	0.2	198
1384821	SOIL	19/08/2011	386848	7029175	VAN11004465	0.7	146	36.6	81.2	0.16	88.9	20.6	6.4	0.2	270
1384822	SOIL	19/08/2011	386829	7029072	VAN11004465	0.6	92.1	4.9	25	0.08	18.9	28.8	9.4	0.4	121
1384823	SOIL	19/08/2011	386790	7028980	VAN11004465	0.3	31.1	1.5	27.4	0.04	27.1	10.9	9	0.3	88
1384824	SOIL	19/08/2011	386828	7028887	VAN11004465	0.6	54	9.1	39	0.25	36.8	13.6	9.2	0.4	130
1384825	SOIL	19/08/2011	386833	7028785	VAN11004465	0.1	33.4	3.3	18.6	0.03	16.9	7.3	4.6	0.1	55
1384826	SOIL	19/08/2011	386907	7028719	VAN11004465	0.7	157.9	10.8	28.3	0.09	11.4	10.9	15.8	0.2	53
1384827	SOIL	19/08/2011	387008	7028706	VAN11004465	1.1	162.3	22.4	47.7	0.15	23.4	13.8	13.2	0.2	99
1384828	SOIL	19/08/2011	387107	7028743	VAN11004465	0.3	39.5	5.5	19.8	0.06	11.1	5	5.3	0.1	49
1384829	SOIL	19/08/2011	387208	7028741	VAN11004465	1.7	78.2	8	93	0.34	35.1	16.6	16.2	0.5	134
1384830	SOIL	19/08/2011	387296	7028801	VAN11004465	0.4	30.7	5.1	45.7	0.05	41.4	13.3	6.8	0.2	132
1384831	SOIL	19/08/2011	387387	7028767	VAN11004465	0.3	15.2	1.1	19.4	0.03	17.6	6.6	1.9	0.1	82
1384832	SOIL	19/08/2011	387437	7028680	VAN11004465	0.2	22.2	2.4	30.2	0.08	28.9	12.5	5.9	0.1	73

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.



APPENDIX C  
(Refer to digital version for full list)

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag PPM	As PPM	Au PPB	Cu PPM	Hg PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1384833	SOIL	19/08/2011	387446	7028576	VAN11004465	0.3	148.7	9.3	96.3	0.05	70	19.8	24.5	0.4	228
1384834	SOIL	19/08/2011	387513	7028500	VAN11004465	0.8	115.9	18.3	107.9	0.32	75.4	18.9	23.6	0.6	214
1384835	SOIL	19/08/2011	387603	7028545	VAN11004465	0.2	8	0.5	15.3	0.05	7.8	8.3	2.2	0.3	45
1384836	SOIL	19/08/2011	387671	7028622	VAN11004465	0.8	49.6	10.9	100.9	0.17	20	26.4	4.8	0.2	97
1384837	SOIL	19/08/2011	387777	7028640	VAN11004465	0.3	26.1	2.7	51.6	0.05	28.4	25.5	3.7	0.2	151
1384838	SOIL	19/08/2011	387844	7028720	VAN11004465	1.1	36.8	3.9	41.3	0.35	54.9	13.7	6.9	0.4	186
1384839	SOIL	19/08/2011	387897	7028806	VAN11004465	0.4	85.2	6.7	76.2	0.09	38.7	38.3	3.6	0.4	197
1384840	SOIL	19/08/2011	387929	7028904	VAN11004465	0.3	49.1	6.8	35.3	0.09	26.3	23.3	3.6	0.2	119
1384841	SOIL	19/08/2011	388046	7028902	VAN11004465	0.7	238.1	25.4	55.4	0.08	29.9	18.1	8.5	0.2	173
1384842	SOIL	19/08/2011	388154	7028903	VAN11004465	0.9	28.9	23.1	153.8	0.37	111.9	36.1	2.1	0.2	250
1384843	SOIL	19/08/2011	388237	7028961	VAN11004465	0.6	70.6	8.4	74.5	0.11	33.1	21.8	3.8	0.1	157
1384844	SOIL	19/08/2011	388272	7029060	VAN11004465	0.6	126.9	21.8	53.4	0.15	27.8	29.3	6.4	0.2	127
1384845	SOIL	19/08/2011	388320	7029151	VAN11004465	1.2	115.8	18.2	44.3	0.22	22.3	18.8	5.7	0.3	110
1384846	SOIL	20/08/2011	375800	7028850	VAN11004465	2.8	87.2	10.9	30.9	2.43	2.4	33.8	40.1	3	16
1384847	SOIL	20/08/2011	375900	7028889	VAN11004465	4.8	105.4	11.1	74.7	2.22	17.3	24.1	34.8	1.1	86
1384848	SOIL	20/08/2011	375990	7028935	VAN11004465	2.9	112.6	72.6	30.3	0.52	15.2	12.8	16.9	0.4	84
1384849	SOIL	20/08/2011	376090	7028958	VAN11004465	1.4	56.3	4.4	40	0.13	18.8	14.5	8.6	0.2	103
1384850	SOIL	20/08/2011	376184	7028912	VAN11004465	0.1	68.2	3.8	16.9	0.05	11.5	15.5	5.4	0.2	68
1384851	SOIL	20/08/2011	376299	7028945	VAN11004465	0.2	66.3	4.8	22.6	0.07	18.4	15.1	7.6	0.2	100
1384852	SOIL	20/08/2011	376389	7028986	VAN11004465	0.6	47.7	2.6	14.8	0.06	9.9	9.2	4.6	0.1	58
1384853	SOIL	20/08/2011	376497	7028998	VAN11004465	0.3	68.9	4.4	24.9	0.05	13	10.2	3.7	0.2	62
1384854	SOIL	20/08/2011	376604	7028980	VAN11004465	0.6	124.1	6.8	25.2	0.05	18.3	20.1	8.5	0.2	86
1384855	SOIL	20/08/2011	376699	7028944	VAN11004465	0.3	42.1	4.5	19.9	0.02	12	15.7	3.2	0.2	59
1384857	SOIL	20/08/2011	376773	7028869	VAN11004465	0.4	200.4	6.5	29.9	0.06	19.1	17.5	9.5	0.3	94
1384858	SOIL	20/08/2011	376831	7028704	VAN11004465	4.6	220.2	1.8	61.4	0.81	7.3	60.8	47.6	1.1	34
1384859	SOIL	20/08/2011	376723	7028677	VAN11004465	1.9	213.6	7.4	53.6	0.19	13.7	33	20.9	0.5	83
1384860	SOIL	20/08/2011	376620	7028692	VAN11004465	1.2	305.9	13.3	87.3	0.07	21.2	29.7	20	0.7	129
1384861	SOIL	20/08/2011	376515	7028651	VAN11004465	2.4	269.2	9.5	83.1	0.14	17.1	35.2	25.1	0.6	165
1384862	SOIL	20/08/2011	376483	7028552	VAN11004465	1	75.9	1.8	20.1	0.05	6.2	8.2	5.4	0.1	46
1384863	SOIL	20/08/2011	376422	7028470	VAN11004465	1.7	120.9	2.2	20.5	0.1	10.5	37.2	18.6	0.5	53
1384864	SOIL	20/08/2011	376338	7028401	VAN11004465	8.3	168.1	5	84.9	1.32	9	36.2	75.6	3.3	35
1384865	SOIL	20/08/2011	376252	7028339	VAN11004465	0.9	79.9	5	22.8	0.14	20.1	17.2	15.1	0.5	105
1384866	SOIL	20/08/2011	376275	7028242	VAN11004465	0.9	73.3	7.4	38.5	0.21	29.2	13.9	17.5	0.4	155
1385001	SOIL	09/09/2011	379732	7026855	WHI11001430	2.3	4716.4	1069.4	231	0.11	34.2	30.5	138.3	0.4	122
1385002	SOIL	09/09/2011	379718	7026834	WHI11001430	1.1	259.3	29.8	49.8	0.05	9.4	27.2	15.1	0.2	49
1385003	SOIL	09/09/2011	379717	7026808	WHI11001430	1.8	423.2	52.3	79.3	0.09	16.2	27.2	21.9	0.2	68
1385004	SOIL	09/09/2011	379698	7026792	WHI11001430	3.6	697	85.1	114.8	0.08	22.8	57.1	46.5	0.3	95
1385005	SOIL	09/09/2011	379671	7026789	WHI11001430	2.6	1647.9	172.2	227.8	0.12	29.8	53.8	110.4	0.5	134
1385006	SOIL	09/09/2011	379650	7026770	WHI11001430	2.3	454	137.6	138.6	0.07	23.5	68.7	66.1	0.7	136
1385007	SOIL	09/09/2011	379627	7026756	WHI11001430	3.9	1133.5	285.6	188.6	0.77	31.6	65.9	78.2	0.6	203
1385008	SOIL	09/09/2011	379610	7026738	WHI11001430	9	1023.4	339.1	105	0.13	19.7	99.8	70.4	0.4	147
1385009	SOIL	09/09/2011	379592	7026722	WHI11001430	1.6	118.7	49.7	25.9	0.09	6.1	17.1	11.6	0.1	39
1385010	SOIL	09/09/2011	379578	7026700	WHI11001430	2.8	84.9	12.2	59.5	0.2	18.5	23.9	12	0.1	152
1385011	SOIL	09/09/2011	379559	7026684	WHI11001430	3.9	157.1	39	39.9	0.08	8.5	40.5	22.9	0.5	51
1385012	SOIL	09/09/2011	379534	7026677	WHI11001430	6.1	134.7	35.5	34	0.13	3.7	46.8	19.3	0.5	28
1385013	SOIL	09/09/2011	379509	7026685	WHI11001430	1.4	63.2	27.3	24.9	0.03	3.9	17.3	9.8	0.1	31
1385014	SOIL	09/09/2011	379487	7026697	WHI11001430	3.5	435.4	107.4	71.8	0.05	24.3	77.5	46.5	0.2	171
1385015	SOIL	09/09/2011	379460	7026697	WHI11001430	1.2	90.3	16	38.4	0.08	11.3	19.3	9	0.1	68
1385016	SOIL	09/09/2011	379435	7026698	WHI11001430	1.7	131.3	26.8	97	0.11	15	28.3	16.6	0.1	146
1385017	SOIL	09/09/2011	379410	7026700	WHI11001430	2	67.5	10.4	61.9	0.11	8.7	13.4	8.8	0.1	57
1385018	SOIL	09/09/2011	379386	7026711	WHI11001430	2.2	127.7	35.4	77.9	0.11	14.4	36.8	21.5	0.1	168
1385019	SOIL	09/09/2011	379351	7026807	WHI11001430	1.4	158.7	16.5	51.5	0.08	14.4	19	26.2	0.2	77
1385027	SOIL	09/09/2011	375801	7025816	WHI11001430	0.1	13.7	0.5	10.8	0.01	26.1	5.7	1.8	0.3	97
1385028	SOIL	09/09/2011	375899	7025836	WHI11001430	4.9	359.8	3.2	228.7	1.63	671.1	30.5	61.4	3.9	1682

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.



## APPENDIX C

2011 Yukon Carlin Gold Corp - Constantine Metal Resources Joint Venture  
Target Evaluation Exploration Program X-REA-Selected Collected Sample Data

(Refer to digital version for full list)

Sample	Type	Date Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Assay Certificate	Ag_PPM	As_PPM	Au_PPb	Cu_PPM	Hg_PPM	Ni_PPM	Pb_PPb	Sb_PPb	Tl_PPM	Zn_PPM
1385293	SOIL	02/09/2011	379650	7027458	VAN11004726	16.8	69.7	43.8	71.4	0.23	9.4	9.1	96.8	0.1	52
1385294	SOIL	02/09/2011	379610	7027426	VAN11004726	0.8	101.4	48.5	73.1	0.07	17.2	13.6	23.2	0.1	78
1385295	SOIL	02/09/2011	379573	7027393	VAN11004726	0.6	94.3	32.8	52.5	0.05	25.1	11.9	27.8	0.1	90
1385296	SOIL	02/09/2011	379551	7027348	VAN11004726	0.4	35.7	3.7	18	0.03	28.2	7.3	5.5	0.1	148
1385297	SOIL	02/09/2011	379532	7027302	VAN11004726	0.9	228.6	14	105	0.06	82.9	17.3	17.3	0.2	248
1385298	SOIL	02/09/2011	379518	7027252	VAN11004726	0.9	77.2	18.6	87.8	0.06	128	7.9	11.8	0.1	332
1385299	SOIL	02/09/2011	379498	7027205	VAN11004726	0.3	877.4	26.8	68.5	0.05	11.5	10.9	10.4	0.1	79
1385300	SOIL	02/09/2011	379449	7027220	VAN11004726	1.3	41.3	11.3	14.6	0.03	32.4	5.6	1.2	0.1	113
1385476	SOIL	08/09/2011	388198	7028755	WHI11001431	0.4	21.2	3.2	43.4	0.05	22.3	17.1	1.8	0.1	109
1385477	SOIL	08/09/2011	388283	7028809	WHI11001431	1.7	49.1	3.1	44.6	0.1	56.8	41.7	1.9	0.2	219
1385478	SOIL	08/09/2011	388375	7028853	WHI11001431	0.5	41.2	4.7	20.3	0.12	18.2	12.2	3.2	0.2	85
1385479	SOIL	08/09/2011	388431	7028939	WHI11001431	1.2	72.1	9.3	35.5	0.22	24.2	15.8	4.3	0.3	112
1385480	SOIL	08/09/2011	388423	7029045	WHI11001431	1.4	141.5	21.7	72.8	0.73	42.3	28.1	8.5	0.4	175
1385481	SOIL	08/09/2011	388481	7029133	WHI11001431	0.3	9.8	3.6	11.1	0.2	5.6	5.3	3.4	0.4	38
1385482	SOIL	08/09/2011	388535	7029219	WHI11001431	0.5	20.1	2.7	26.7	0.41	55.6	9.6	2.6	0.3	308
1385483	SOIL	08/09/2011	388630	7029188	WHI11001431	2.4	62.4	6.6	51.8	1.27	145.5	11.2	11.7	0.9	667
1385484	SOIL	08/09/2011	388678	7029277	WHI11001431	1.7	17	0.7	23.8	0.13	25.2	8.6	3.6	0.6	118
1385485	SOIL	08/09/2011	388768	7029229	WHI11001431	2.6	43.6	4	72.1	0.33	125.1	10.6	11.6	0.9	797
1385486	SOIL	08/09/2011	388852	7029172	WHI11001431	1.8	17.7	1.9	55.2	0.11	75	8.1	5.7	0.4	446
1385487	SOIL	08/09/2011	388948	7029148	WHI11001431	0.4	10	1.4	25.2	0.06	27.6	11	1.8	0.2	151
1385488	SOIL	08/09/2011	389015	7029070	WHI11001431	1.3	21.9	3.9	60.6	0.26	92.1	9.9	5.5	0.4	494
1385489	SOIL	08/09/2011	389079	7028990	WHI11001431	2.2	34.5	6.8	92.2	0.66	74.1	10.3	8.8	0.6	416
1385490	SOIL	08/09/2011	389056	7028890	WHI11001431	0.5	25.8	1.4	56.1	0.09	89.2	9.3	9.2	0.5	362
1385491	SOIL	08/09/2011	389063	7028789	WHI11001431	0.7	38.5	4	37.3	0.59	10.7	18.8	3.2	0.5	52
1385492	SOIL	08/09/2011	389030	7028688	WHI11001431	0.4	16.7	3.4	24.8	0.41	14.7	11.2	3.9	0.8	49
1385493	SOIL	08/09/2011	388965	7028604	WHI11001431	2.1	90.5	13.4	54.3	0.61	28.9	18.7	5.6	0.3	111
1385494	SOIL	08/09/2011	388909	7028522	WHI11001431	1.9	42.7	21.7	47.2	1	14.2	47.3	11.9	1	66
1385495	SOIL	08/09/2011	388858	7028434	WHI11001431	1.2	44.2	6.4	37.9	0.17	37.8	24.6	2.4	0.1	140
1385496	SOIL	08/09/2011	388818	7028342	WHI11001431	1.6	193.4	52.7	98.7	0.32	85.9	23.4	8.8	0.1	230
1385497	SOIL	08/09/2011	388806	7028242	WHI11001431	1.2	30.8	4.7	29.5	0.15	27.6	21	2.4	0.3	106
1385498	SOIL	08/09/2011	388861	7028159	WHI11001431	1.2	48.6	13.8	145.7	0.2	76.1	37.6	2.9	0.2	183
1385499	SOIL	08/09/2011	388811	7028072	WHI11001431	1.6	100.2	21.9	81.6	0.23	39	28.6	4.5	0.1	129
1385500	SOIL	08/09/2011	388712	7028055	WHI11001431	0.9	17.9	2.8	21.9	0.09	13.5	10.2	0.9	0.1	45

<sup>1</sup> Coordinate system used was UTM NAD 83 Zone 9.

**APPENDIX D**

**ROCK DESCRIPTION TABLE**

## APPENDIX D

## ROCK DESCRIPTIONS FOR X-REA

Sample	Type	Sample Collected	Fasting <sup>1</sup>	Northing <sup>1</sup>	Hostrock	Description
54599	ROCK	19/07/2011	380372	7027293		siliceous and/or silicified breccia of blue shale (?), slightly rusty, locally vuggy
54600	ROCK	19/07/2011	380047	7027845		laminated quartzite
54601	ROCK	19/07/2011	379818	7027248		rusty, dark coloured bedded rock with lathy xtals in darker beds and some disseminated sulphide
54602	ROCK	19/07/2011	379110	7026990		rusty, medium-grained granite dyke w/ abundant blebby-to-disseminated sulphide
54605	ROCK	26/07/2011	386546	7030251		dark grey shale w/ pods of and sparsely disseminated py
54606	ROCK	26/07/2011	386553	7030266		rusty, lighter-grey (lithic-rich?) shale w/ disseminated and pods of py
54629	ROCK	19/08/2011	386855	7029145		rusty, "spotty", pale felsic dyke (marginal portion) w/ zones of intense black oxidation (?)
54630	ROCK	20/08/2011	384649	7024410		qz-calcite-black/dkgrey carbonate vein w/ some clasts of black mudstone wallrock and locally massive galena (?) w/ assoc blue + green oxides
54631	ROCK	20/08/2011	384675	7024399		black, possibly calcareous mudstone w/ abundant qz + calcite veins + veinlets, v. local blue + green oxide in qz vein w/ possible galena (?)
54632	ROCK	20/08/2011	384676	7024403		vuggy qz vein w/ smokey laminae and local galena (?) and blue/green oxide
54643	ROCK	02/09/2011	379481	7027260		1-2cm interbedded hornfelsed (?) limestone and hornfelsed siltstone w/ abundant fine disseminated sulphide
54644	ROCK	02/09/2011	379508	7027191		hornfelsed pale blue-grey fine siltstone w/ abundant blebs and a couple veinlets of py (+?)
54645	ROCK	02/09/2011	379510	7027128		grey, lightweight, extremely porous decalcified limestone (??)
54646	ROCK	02/09/2011	379620	7027090		Extrapolated point. Hornfelsed argillite locally w/ up to 5mm long chialtolite phenocrysts and common "burnt out" sulphide bleb boxworks
54647	ROCK	02/09/2011	379630	7027050		Extrapolated point. White/light blue silicified limestone (??) w/ local vugs and disseminated sulphides
54648	ROCK	02/09/2011	379508	7027131		marbled/laminated qzite w/ py boxwork, hematite, and tarnished sulphide (?) on fracture
54649	ROCK	02/09/2011	379694	7026929		Extrapolated point. At site of hot soil sample; slightly phyllitic bluish-grey argillite w/ vuggy qz veinlets <5mm thick and hematite on fracture
54650	ROCK	02/09/2011	379945	7027132		rusty, hornfelsed fine siltstone w/ very abundant disseminated pyrrhotite, arsenopyrite, and other sulphides (?)
54762	ROCK	24/07/2011	380620	7028456		SEDIMENTS SLIGHTLY SILICIFIED IN CONTACT WITH GRANITES SMALL QUARTZ VEINS WITH PYRRHOTITE AND PYRITE
54763	ROCK	24/07/2011	380626	7028442		BANDED, SILICIFIED SEDIMENTS WITH SEMI TO MASSIVE PYRRHOTITE AND MINOR QUARTZ
54764	ROCK	24/07/2011	380651	7028412		2 RUSTY VEINS 10 CM WIDE PYRITE AND A BLACK PURPLE CRYSTALS
54765	ROCK	24/07/2011	380609	7028546		HIGHLY SILICIFIED SEDIMENTS WITH THE FRACTURES FILLED WITH PYRRHOTITE
54766	ROCK	24/07/2011	380755	7028648		SEDIMENTS 7 M WIDE WITH SEMI TO MASSIVE PYRRHOTITE
54767	ROCK	24/07/2011	380892	7028596		HORNSEL? UNIT 3M WIDE 10-12% PYRITE
54768	ROCK	24/07/2011	381231	7028022		MED. GRAIN SEDIMENTS RUSTY IRON OXIDATION STAINING MINOR QUARTZ WITH PYRITE AND PYRRHOTITE
54769	ROCK	24/07/2011	381229	7027787		QUARTZ RICH SEDIMENTS BOULDER 100CM X 50CM WITH PODS OF PYRITE
54770	ROCK	24/07/2011	380905	7027548		QUARTZ SHALE BRECCIA BOULDER 36CM X 36CM PYRRHOTITE AND PYRITE IN THE QUARTZ
54771	ROCK	25/07/2011	375192	7028276		30CM X 40CM BEDDED BLACK SHALES BOULDER IN STREAM WITH DISSEM AND CUBIC PYRITE
54772	ROCK	25/07/2011	375519	7028320		LARGE SEDIMENTS BOULDER 100CM X 75CM CUT BY QUARTZ VEINS WHICH CONTAINS MINOR PYRITE
54773	ROCK	25/07/2011	377000	7028616		LAYERED LOCAL FLOAT BOULDER 30CM X 20CM VUGGY AND SOME FILLED WITH PYRITE
54774	ROCK	25/07/2011	377047	7028643		QUARTZ RICH SANDSTONE WITH MICA AND CUBIC PYRITE
54775	ROCK	25/07/2011	377018	7028741		LIMESTONE BOULDER 40CM X 30CM HIGHLY CALCAREOUS NO MINERALIZATION
54776	ROCK	25/07/2011	377032	7028763		LIMESTONE BOULDER 30CM X 50 CM CALCAREOUS AND MINOR SULPHIDES
54777	ROCK	26/07/2011	385638	7024573		A SMALL ROUNDED BOULDER FROM THE STREAM, SEDIMENTS, QUARTZ AND MINOR PYRITE
54778	ROCK	26/07/2011	385490	7025596		RUSTY BROWN BANDED QUARTZITE NO MINERALIZATION
54779	ROCK	26/07/2011	385530	7025574		SEDIMENTS BOULDER FROM OUTCROP UP SLOPE QUARTZ VEINING TRACE PYRITE
54996	ROCK	24/07/2011	387182	7023734	shale/ss	.3 m wide milky qtz material trends N30E cuts through grey-tan shales,
54997	ROCK	24/07/2011	387211	7023738	shale	select 0.5m x 0.5m dug out of zone of gossanous milky qtz vn material cuttin shale sequence, sample includes orange lim mat adjacent to vn
54998	ROCK	24/07/2011	387906	7024265	quartzite	3 m wide 300° trending bleached, hem std, FeOx after 1mm py cubes
54999	ROCK	24/07/2011	387539	7024245	calc sltst/ss	4 m across mod FeOx std calc. siltst/ss, weathered rims. Weak comb qtz on fxts
55000	ROCK	24/07/2011	387549	7024242	calc sltst/ss	3 m along bedding in material similar to 54999
55001	ROCK	24/07/2011	387535	7024128	calc sltst/ss	0.5 m x 0.5 m strongly limonitic/quoethitic std calc slst, occasional hairline qtz vns
55002	ROCK	24/07/2011	386992	7023663	shale/ argillite	1 m along cleavage/bedding grey sh/arg, FeOx std fxts, mod hairline qtz vns normal to cleavage/bedding
55032	ROCK	20/08/2011	389390	7028970	calcareous siltstone	talus, crse cc veining, pluse 1-2 mm cc vning in dark gry calc slst, parts bx'd
55033	ROCK	20/08/2011	389403	7028614	siltstone/ argillite	2-3 mm white qtz vns cutting through dk grey siltstone/argillite
55034	ROCK	20/08/2011	389343	7028404	siltstone/ argillite	1m x 1m anastomosing 2 mm-.5 cm qtz veining in siliceous siltstone/argillite, parts bx'd, 1-2 m wide zone space every 10m or so.
55067	ROCK	16/07/2011	376113	7030656		Found in talus, rusty hornfels with quartz, pyritic?

## APPENDIX D

## ROCK DESCRIPTIONS FOR X-REA

Sample	Type	Sample Collected	Easting <sup>1</sup>	Northing <sup>1</sup>	Hostrock	Description
55068	ROCK	16/07/2011	376113	7030656		Quartz vein and hairline quartz vein in a hornfels, found on talus slope
55090	ROCK	25/07/2011	369643	7032769	Quartzite	Angular boulder (40x 30x 20cm) with quartz veinlets. Minor pyrite trace blue mineral.
55091	ROCK	25/07/2011	369493	7032657	sediment	Silicified sediment Boulder (30x 30 x20cm) Sub rounded . Rusty3-5% pyrite/pyrrhotite
55092	ROCK	25/07/2011	367699	7032180	Sediment	Sub rounded silicified boulder (40x 40x 30cm) 1-2% pyrite. Rusty
55093	ROCK	25/07/2011	367217	7032012	Black Shale	Silicified Black shale Outcrop, 2-3% pyrite/ Rusty
55094	ROCK	25/07/2011	366883	7031745	Siltstone	Silicified siltstone 1-2%, Rusty/ Slightly silicified
55095	ROCK	25/07/2011	366808	7031701	Siltstone	Silicified siltstone outcrop with pyrite pods 1-2cm/Veinlets. Rusty
55096	ROCK	26/07/2011	381629	7026500	Quartz	Rusty quartz boulder (40 x 30 x30cm)Sub rounded to rounded. Vuggy/Rusty. 1-2% pyrite, 2-3% Blue/Gray mineral?
55097	ROCK	26/07/2011	381626	7026502	Sediment	Sub angular boulder (50 x40 x30cm) 5-8% fine grain diss pyrite. Silicified/Rusty Minor fine grain gray mineral
55098	ROCK	26/07/2011	381243	7026206	Black shale	Rusty/Sheared
55099	ROCK	26/07/2011	380976	7025761	Black shale	Rusty/Sheared, Minor pyrite
55100	ROCK	26/07/2011	380897	7025667	Quartz	Quartz vein 20cm wide in black shale. Rusty wallrock fragments.
55101	ROCK	26/07/2011	380836	7025591	Black shale	Black shale outcrop, Rusty/Leached, 5-8% pyrite
55102	ROCK	26/07/2011	380833	7025609	Felsic	Felsic dyke 3m wide in black shale, minor 1% pyrite/Trace blue mineral(Galena?) with quartz veins. Rusty/Silicified Strike 260 Dip 75 S.
55103	ROCK	26/07/2011	380680	7025298		Quartz angular boulder Local. Rusty/ Siltstone wallrock fragments
55104	ROCK	26/07/2011	385135	7023918		Quartz vein in black shale outcrop, minor-1% chalcopyrite/Trace galena/Sphalerite. Strike 290 Dip 75S
55105	ROCK	26/07/2011	385134	7023918		Black shale outcrop 2m from sample 55104, Rusty
55251	ROCK	19/07/2011	376538	7027151		Anabranching quartz veins ~1mm to 4mm. Dolomite (slightly fizzy). Preferentially weathered. Rusty.
55252	ROCK	19/07/2011	375569	7028565		Rusty altered quartz. Sulphide?
55255	ROCK	25/07/2011	384833	7026951		
55265	ROCK	25/07/2011	390068	7027679		Hairline quartz veining in silicified rock. Slightly brecciated on one edge of rock.
55266	ROCK	25/07/2011	390227	7028365		Modge podge of iron oxides and hematite-stained chert. Found just below cliff outcrop of bluish-grey cherty rock.
55535	ROCK	08/09/2011	387845	7024879		grab of rusty siliceous mudstone w/ minor quartz veining (near Jack Lake and vicinity of 69.9 ppb AU in soil)
55536	ROCK	08/09/2011	387828	7024945		rough chip across 2m section of 5cm-1m chert beds interbedded w/ <10cm shaley layers that incl 5-10cm nodules of radiating barite
55537	ROCK	08/09/2011	379531	7027022		grab on ridge of carbonaceous black mudstone unit with wavy deformation fabric on ridge up slope of 4 gpt in soil
55538	ROCK	08/09/2011	379526	7026993		second grab on ridge of carbonaceous black mudstone unit with wavy deformation fabric on ridge up slope of 4 gpt in soil. Rock is different from the usual tight hornfels
55539	ROCK	10/09/2011	379728	7026722		coarse arsenopyrite in probable intrusive host. Sampled by Britney on soil line below 4 gpt soil anomaly
55540	ROCK	10/09/2011	379727	7026723		same location as 55539. black sooty carbonaceous graphitic mudstone w/ strong wavy fabric. Also small piece of vuggy quartz vein material
55543	ROCK	08/09/2011	373900	7030410		black/grey mudstone in vicinity of kill zone w/ sample 1185606/607. Coordinates estimated

**APPENDIX E**

**ASSAY CERTIFICATES**



Acme Analytical Laboratories (Vancouver) Ltd.  
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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

**Client:** **Carlin Gold Corporation**  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Submitted By: Confirmation Email List  
Receiving Lab: Canada-Vancouver  
Received: July 29, 2011  
Report Date: September 14, 2011  
Page: 1 of 9

## CERTIFICATE OF ANALYSIS

VAN11003579.1

### CLIENT JOB INFORMATION

Project: CCJV  
Shipment ID:  
P.O. Number: X-01  
Number of Samples: 229

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	229	Sorting of samples on arrival and labeling			VAN
1DX2	228	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

### 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: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Report Email List



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. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: September 14, 2011

Page: 2 of 9 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11003579.1**

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 P	1DX15 La
		ppm		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1		0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1180274	Soil Pulp	19.1	77.3	22.6	706	1.4	106.6	7.5	469	2.51	54.3	19.8	0.7	136	10.5	17.6	0.3	61	0.30	0.183	14		
1180275	Soil Pulp	7.9	60.4	22.5	376	3.4	51.8	8.7	231	2.38	27.7	24.9	0.5	99	12.4	8.3	0.3	74	0.43	0.430	9		
1180276	Soil Pulp	5.8	110.1	27.0	272	2.3	59.0	8.7	783	2.45	24.3	21.0	0.5	133	7.8	4.6	0.4	57	0.78	0.176	10		
1180277	Soil Pulp	4.4	109.5	18.2	603	1.8	139.1	13.5	1703	3.34	40.0	21.4	1.5	109	6.8	4.4	0.3	59	0.69	0.197	12		
1180281	Soil Pulp	22.8	38.0	20.8	713	0.6	91.3	8.7	2557	21.36	158.2	2.7	2.4	200	5.1	5.7	0.2	52	2.11	0.186	6		
1180282	Soil Pulp	7.5	61.6	14.7	969	0.9	141.0	20.4	556	3.59	127.2	7.9	3.3	65	12.7	8.9	0.4	76	0.57	0.139	17		
1180283	Soil Pulp	0.5	26.5	15.4	60	<0.1	23.5	11.0	466	2.50	10.9	0.8	4.0	165	0.2	0.5	0.2	9	5.54	0.035	5		
1180428	Soil Pulp	2.9	448.3	13.9	848	0.8	192.8	75.6	1851	2.49	108.9	31.1	3.6	26	3.3	13.7	1.3	36	0.25	0.075	18		
1180431	Soil Pulp	2.6	51.5	11.9	177	1.1	39.2	6.8	266	2.21	67.6	20.6	2.0	142	1.1	2.7	0.2	61	0.67	0.106	9		
1180432	Soil Pulp	5.7	49.5	12.8	242	1.2	61.9	7.2	421	2.57	47.8	9.4	1.9	117	2.8	3.4	0.2	54	0.62	0.177	8		
1180433	Soil Pulp	4.7	61.7	10.5	291	1.5	61.7	7.2	405	1.61	24.0	10.1	1.9	71	7.3	3.8	0.2	79	0.34	0.099	11		
1180434	Soil Pulp	5.4	40.2	10.5	165	1.2	31.5	6.9	292	1.65	20.6	6.5	2.4	82	1.4	3.0	0.2	69	0.58	0.096	13		
1180435	Soil Pulp	25.8	51.2	10.7	534	0.9	62.6	7.7	474	12.49	64.1	5.3	2.7	78	5.6	9.0	0.2	408	0.23	0.407	9		
1180436	Soil Pulp	3.4	52.6	12.8	385	0.8	60.2	7.3	407	2.01	23.5	7.9	2.2	87	3.2	5.9	0.2	49	0.53	0.133	12		
1180437	Soil Pulp	8.5	55.6	15.5	515	0.9	154.1	12.0	3004	3.08	48.3	9.6	1.8	95	5.2	6.1	0.3	61	0.50	0.191	14		
1180438	Soil Pulp	3.1	60.8	11.2	204	1.2	40.0	6.9	340	1.96	35.5	12.6	2.3	70	1.6	3.5	0.3	66	0.43	0.084	11		
1180439	Soil Pulp	2.1	68.6	10.9	239	1.0	64.2	6.1	420	1.95	27.5	10.4	2.0	111	2.8	3.3	0.2	54	0.85	0.105	10		
1180440	Soil Pulp	1.9	31.9	22.1	76	1.1	7.4	11.4	555	3.20	732.3	60.7	10.1	55	0.3	12.0	9.6	38	0.49	0.063	29		
1180524	Soil Pulp	8.6	61.5	14.7	679	1.3	114.3	7.5	412	2.33	25.8	6.9	1.0	99	8.0	6.3	0.2	96	0.41	0.183	14		
1180525	Soil Pulp	8.1	88.6	22.0	1499	1.2	174.1	10.3	884	2.72	25.0	8.3	0.8	166	11.4	7.3	0.3	60	0.72	0.204	13		
1180575	Soil Pulp	3.8	43.7	14.4	117	2.3	29.6	4.7	246	2.13	39.1	14.3	1.0	32	0.5	3.6	0.3	52	0.11	0.134	12		
1180576	Soil Pulp	4.2	64.1	15.9	202	1.7	53.8	9.8	789	2.55	44.6	10.6	1.4	64	3.1	4.9	0.3	50	0.37	0.128	12		
1180579	Soil Pulp	12.3	82.3	14.1	572	3.3	77.4	8.0	286	2.37	41.1	16.1	0.9	73	5.4	11.3	0.3	112	0.32	0.183	14		

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Page: 2 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003579.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1180274	Soil Pulp	13	0.12	1200	0.004	<1	0.62	0.004	0.09	0.1	0.76	1.2	0.3	0.12	1	6.0	<0.2
1180275	Soil Pulp	20	0.20	1104	0.004	1	1.27	0.007	0.16	0.1	2.39	0.9	0.4	0.19	2	12.2	<0.2
1180276	Soil Pulp	18	0.33	1834	0.007	2	1.11	0.009	0.08	0.2	0.79	1.3	0.3	0.14	3	5.4	<0.2
1180277	Soil Pulp	23	0.45	1139	0.007	3	1.60	0.007	0.15	0.2	0.77	2.3	0.2	0.10	4	3.6	<0.2
1180281	Soil Pulp	12	0.28	1502	0.007	2	0.39	0.004	0.07	0.6	0.18	1.4	0.3	0.05	1	2.7	<0.2
1180282	Soil Pulp	21	0.31	938	0.029	2	1.06	0.010	0.12	2.0	0.17	2.1	0.3	<0.05	3	4.3	<0.2
1180283	Soil Pulp	8	0.98	80	0.003	<1	0.44	0.003	0.05	<0.1	0.09	2.4	<0.1	<0.05	2	<0.5	<0.2
1180428	Soil Pulp	23	0.35	738	0.025	<1	2.58	0.011	0.07	1.2	0.04	2.0	0.1	0.07	3	1.8	<0.2
1180431	Soil Pulp	26	0.38	1050	0.006	3	1.34	0.007	0.14	0.5	0.20	2.9	0.2	0.06	4	2.4	<0.2
1180432	Soil Pulp	24	0.36	1026	0.007	5	1.24	0.006	0.13	0.5	0.36	2.6	0.3	0.06	3	2.7	<0.2
1180433	Soil Pulp	23	0.27	668	0.008	3	1.21	0.006	0.12	0.7	0.50	2.4	0.6	<0.05	4	3.0	<0.2
1180434	Soil Pulp	21	0.33	585	0.009	3	0.94	0.007	0.09	0.4	0.27	2.1	0.3	0.05	3	2.5	<0.2
1180435	Soil Pulp	45	0.15	438	0.008	1	1.15	0.003	0.09	0.3	0.30	1.9	1.6	0.32	3	5.5	<0.2
1180436	Soil Pulp	17	0.33	618	0.007	3	0.93	0.006	0.12	0.3	0.40	2.0	0.2	0.06	3	2.3	<0.2
1180437	Soil Pulp	18	0.30	860	0.008	2	0.88	0.005	0.12	0.3	0.31	1.9	0.2	0.08	3	2.6	<0.2
1180438	Soil Pulp	20	0.41	532	0.009	3	1.21	0.006	0.16	0.3	0.35	2.5	0.2	<0.05	4	1.8	<0.2
1180439	Soil Pulp	22	0.45	806	0.009	4	1.21	0.009	0.17	0.6	0.37	2.7	0.2	0.09	3	4.4	<0.2
1180440	Soil Pulp	9	0.67	170	0.132	<1	1.82	0.036	0.28	10.4	0.01	4.8	0.3	<0.05	7	0.7	<0.2
1180524	Soil Pulp	22	0.28	806	0.008	3	0.89	0.005	0.09	0.7	0.38	1.7	0.6	0.07	3	4.5	<0.2
1180525	Soil Pulp	17	0.25	1083	0.006	3	0.79	0.005	0.13	0.2	0.42	1.4	0.2	0.18	2	4.7	<0.2
1180575	Soil Pulp	25	0.29	543	0.012	5	1.37	0.008	0.11	0.6	0.37	1.8	0.3	0.06	4	2.4	<0.2
1180576	Soil Pulp	23	0.33	1340	0.008	2	1.25	0.006	0.11	0.4	0.34	2.3	0.2	0.10	3	5.4	<0.2
1180579	Soil Pulp	26	0.26	828	0.010	2	1.15	0.006	0.13	0.6	1.21	1.9	0.6	0.08	3	7.7	<0.2

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Page: 3 of 9 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11003579.1**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1180580	Soil Pulp	12.0	105.8	13.8	990	3.0	143.7	6.7	511	2.20	40.7	11.2	1.0	105	12.7	10.9	0.3	118	0.52	0.202	14
1180581	Soil Pulp	8.9	108.4	12.1	534	3.6	82.0	7.8	669	1.88	27.8	9.2	0.9	94	11.1	6.0	0.3	127	0.55	0.161	13
1180582	Soil Pulp	9.1	132.6	14.5	4513	1.6	445.5	6.7	384	2.34	30.4	9.1	1.7	111	53.2	6.8	0.3	97	0.53	0.229	15
1180583	Soil Pulp	7.9	117.3	16.8	616	1.5	118.7	27.0	815	2.54	36.3	8.4	2.2	62	5.6	5.4	0.3	82	0.33	0.159	17
1180585	Soil Pulp	13.9	75.1	20.1	1366	1.2	223.9	55.7	1684	4.45	58.4	5.2	2.6	92	14.5	10.9	0.3	91	0.55	0.185	15
1180637	Soil Pulp	4.3	126.2	18.8	1873	18.5	651.8	200.4	7245	1.57	17.8	21.9	1.0	85	39.3	5.6	0.2	61	0.39	0.360	7
1180638	Soil Pulp	2.5	94.5	21.0	179	1.0	54.3	15.3	998	2.66	18.8	12.4	1.1	94	2.0	3.0	0.3	28	0.42	0.122	11
1180639	Soil Pulp	2.0	42.3	12.4	109	0.4	49.3	9.1	485	2.22	17.2	8.1	1.4	46	0.5	1.6	0.3	32	0.41	0.094	7
1180640	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1180644	Soil Pulp	14.2	243.6	9.3	1834	1.0	808.5	221.0	5563	2.21	53.0	8.1	1.6	69	19.5	7.4	0.1	54	0.69	0.178	8
1180645	Soil Pulp	16.4	125.4	13.3	1540	1.2	230.8	38.2	1186	2.92	38.6	6.8	5.0	71	27.6	7.3	0.4	80	0.44	0.196	14
1180646	Soil Pulp	9.8	99.8	12.6	5099	1.3	698.7	6.7	262	1.97	38.9	5.7	1.5	113	107.8	8.8	0.2	106	0.79	0.186	13
1180647	Soil Pulp	19.4	81.2	15.8	1390	0.9	180.8	28.6	1080	3.86	62.1	5.4	2.7	79	15.0	13.8	0.2	84	0.45	0.179	16
1180648	Soil Pulp	13.8	175.3	16.5	3235	3.5	335.7	6.6	335	2.24	50.9	8.1	1.3	86	41.0	13.6	0.3	120	0.52	0.291	15
1180649	Soil Pulp	13.6	95.4	14.3	632	1.1	92.3	15.6	391	6.23	112.6	9.6	5.3	36	3.3	18.4	0.3	66	0.18	0.127	17
1180650	Soil Pulp	20.1	96.8	18.3	1589	1.6	167.4	8.8	299	2.67	112.0	12.0	1.7	84	15.0	21.1	0.3	138	0.60	0.193	21
1180959	Soil Pulp	4.7	361.8	21.7	701	0.9	189.6	71.0	4926	3.41	503.1	58.3	7.9	41	2.7	45.6	2.0	40	0.26	0.104	49
1180960	Soil Pulp	2.6	149.0	19.9	992	0.5	277.4	85.2	2150	3.37	179.3	64.0	4.5	46	2.4	16.6	0.8	34	0.30	0.109	30
1180961	Soil Pulp	7.8	245.7	18.9	720	0.7	270.6	171.1	6220	3.09	495.9	26.9	4.9	32	3.9	13.5	3.5	36	0.31	0.079	44
1180962	Soil Pulp	2.3	83.8	16.5	255	0.5	76.3	17.4	312	2.27	76.8	39.5	3.4	42	0.6	8.3	1.2	36	0.30	0.078	17
1180965	Soil Pulp	12.6	59.4	10.9	900	0.8	125.4	11.3	1103	1.89	29.7	5.1	3.1	57	8.4	5.0	0.3	61	0.39	0.099	16
1180966	Soil Pulp	4.1	45.4	10.4	398	0.9	60.9	9.0	1030	1.96	25.9	6.6	2.3	55	2.9	3.6	0.3	51	0.31	0.095	14
1180967	Soil Pulp	1.7	47.8	7.0	245	0.7	45.5	5.6	424	1.49	19.4	10.3	2.2	75	2.2	2.4	0.2	42	0.54	0.093	12
1180968	Soil Pulp	1.7	43.6	7.5	293	0.8	46.8	5.8	388	1.53	18.1	6.6	1.7	75	2.5	2.5	0.2	41	0.60	0.081	11
1180969	Soil Pulp	2.7	40.2	11.2	189	1.2	35.9	13.0	741	1.81	19.6	22.5	2.0	62	2.5	2.4	0.3	55	0.43	0.107	14
1180970	Soil Pulp	7.1	93.6	4.4	135	1.6	27.1	6.1	151	36.16	77.0	9.2	3.4	8	0.4	18.5	0.2	12	0.04	0.024	5
1180971	Soil Pulp	26.4	104.5	17.6	3307	1.9	255.2	10.5	376	2.81	167.0	12.7	1.1	95	32.6	30.2	0.3	131	0.53	0.190	23
1180972	Soil Pulp	19.1	225.0	83.2	5419	2.8	389.5	11.5	386	3.44	269.8	39.3	0.5	72	51.5	38.4	1.1	178	0.78	0.200	15

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Page: 3 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003579.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1180580	Soil Pulp	28	0.26	1135	0.008	4	1.15	0.006	0.14	0.4	1.04	2.2	0.4	0.09	3	5.8	<0.2
1180581	Soil Pulp	29	0.29	1267	0.008	3	1.20	0.006	0.12	0.4	1.01	2.2	0.4	0.10	3	6.2	<0.2
1180582	Soil Pulp	23	0.23	1034	0.009	3	0.98	0.004	0.11	0.3	0.39	1.9	0.6	0.10	2	7.7	0.3
1180583	Soil Pulp	22	0.30	966	0.009	3	1.75	0.005	0.10	0.5	0.34	2.3	0.7	0.05	3	3.4	<0.2
1180585	Soil Pulp	19	0.27	1327	0.011	3	1.13	0.005	0.12	0.6	0.40	2.6	0.7	0.10	3	4.7	<0.2
1180637	Soil Pulp	19	0.20	1667	0.007	3	2.55	0.005	0.09	0.1	1.69	2.2	2.4	0.18	3	7.2	<0.2
1180638	Soil Pulp	24	0.39	1251	0.008	4	1.24	0.005	0.08	0.1	0.28	3.0	0.1	0.13	3	3.1	<0.2
1180639	Soil Pulp	22	0.36	1181	0.006	<1	1.05	0.005	0.06	0.2	0.12	2.4	0.1	0.09	3	1.8	<0.2
1180640	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1180641	Soil Pulp	22	0.27	1034	0.009	3	0.98	0.004	0.11	0.3	0.39	1.9	0.6	0.10	2	7.7	0.3
1180644	Soil Pulp	16	0.13	1460	0.005	2	5.16	0.004	0.06	0.1	0.36	2.3	3.5	0.18	2	5.6	<0.2
1180645	Soil Pulp	19	0.22	907	0.011	2	1.53	0.004	0.07	0.8	0.27	2.5	0.9	<0.05	2	4.9	0.3
1180646	Soil Pulp	23	0.28	771	0.010	3	0.96	0.005	0.09	0.8	0.41	1.7	0.8	0.07	2	11.5	<0.2
1180647	Soil Pulp	18	0.23	963	0.012	2	0.94	0.005	0.10	1.1	0.30	2.1	0.7	0.06	2	4.7	<0.2
1180648	Soil Pulp	27	0.25	984	0.011	2	1.34	0.004	0.11	1.4	0.69	2.0	0.9	0.07	3	8.3	0.2
1180649	Soil Pulp	27	0.24	327	0.027	<1	2.65	0.006	0.10	1.6	0.18	3.5	0.3	0.60	3	5.3	<0.2
1180650	Soil Pulp	27	0.23	709	0.010	2	0.70	0.005	0.10	0.8	0.62	2.5	0.6	0.06	2	5.9	<0.2
1180959	Soil Pulp	21	0.53	451	0.076	2	2.56	0.017	0.20	5.8	0.07	4.0	0.4	0.07	6	2.4	<0.2
1180960	Soil Pulp	29	0.57	626	0.036	1	2.28	0.010	0.13	2.5	0.05	2.8	0.2	0.07	5	1.9	<0.2
1180961	Soil Pulp	25	0.48	456	0.052	2	3.14	0.018	0.15	4.8	0.07	3.0	0.3	0.09	5	3.0	<0.2
1180962	Soil Pulp	27	0.52	597	0.032	1	1.65	0.010	0.10	2.5	0.07	2.6	0.2	0.09	4	2.4	<0.2
1180965	Soil Pulp	20	0.31	632	0.013	3	1.02	0.007	0.10	0.5	0.40	2.7	0.3	<0.05	3	5.6	<0.2
1180966	Soil Pulp	21	0.28	670	0.011	2	1.04	0.007	0.09	0.8	0.41	2.3	0.2	<0.05	3	3.7	<0.2
1180967	Soil Pulp	16	0.32	476	0.012	2	0.86	0.008	0.09	0.5	0.32	1.8	0.2	0.08	3	3.5	<0.2
1180968	Soil Pulp	16	0.32	526	0.015	2	0.86	0.009	0.08	0.5	0.30	2.1	0.2	0.07	3	3.6	<0.2
1180969	Soil Pulp	20	0.30	750	0.009	2	1.23	0.007	0.11	0.9	0.42	2.1	0.3	0.07	3	3.6	<0.2
1180970	Soil Pulp	30	0.06	72	0.016	<1	1.69	0.003	0.05	1.0	0.04	2.0	<0.1	2.55	1	2.2	<0.2
1180971	Soil Pulp	25	0.18	574	0.006	2	0.45	0.003	0.09	0.8	0.68	1.9	1.0	0.07	2	8.7	0.3
1180972	Soil Pulp	42	0.37	954	0.007	2	0.82	0.006	0.10	0.4	1.35	1.4	1.2	0.12	2	8.9	0.2

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Project: CCJV  
 Report Date: September 14, 2011

Page: 4 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003579.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm		
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
1180973	Soil Pulp			10.1	95.0	22.6	2816	1.0	244.1	6.5	271	2.17	236.2	23.1	1.3	67	25.1	20.4	1.3	113	0.59	0.166	18
1180974	Soil Pulp			1.6	45.4	8.8	123	0.5	64.0	7.2	293	2.09	89.0	10.8	2.1	52	7.6	5.4	0.5	31	0.69	0.100	17
1180975	Soil Pulp			2.7	98.5	12.6	313	0.5	83.9	19.6	489	3.29	163.0	126.2	6.7	57	3.5	8.5	0.5	42	0.39	0.114	21
1180976	Soil Pulp			2.8	89.8	11.6	277	2.4	51.6	13.0	240	2.62	83.4	8.2	4.5	30	1.5	3.7	0.2	51	0.22	0.125	17
1181201	Soil Pulp			5.7	68.6	24.1	181	1.5	36.1	8.2	274	2.84	24.2	18.3	0.4	54	0.9	4.2	0.3	57	0.14	0.119	11
1181202	Soil Pulp			5.9	61.5	22.5	123	3.4	29.9	3.6	95	1.74	15.3	15.3	0.2	108	2.0	4.5	0.3	58	0.48	0.137	9
1181203	Soil Pulp			4.6	61.7	16.6	148	0.9	32.7	7.7	251	3.16	25.1	13.7	1.0	38	0.5	3.8	0.3	65	0.10	0.113	14
1181204	Soil Pulp			1.5	11.0	5.1	25	0.4	4.7	1.2	32	0.54	6.0	0.9	<0.1	10	0.2	0.8	0.1	24	0.02	0.031	7
1181205	Soil Pulp			3.7	31.4	10.8	98	0.8	18.7	4.1	96	2.02	30.4	7.8	0.4	20	0.4	2.6	0.2	58	0.04	0.091	12
1181206	Soil Pulp			3.8	61.6	12.9	157	0.3	32.9	8.8	300	2.43	22.6	9.3	2.6	43	1.1	3.7	0.2	52	0.19	0.114	17
1181207	Soil Pulp			4.1	31.8	14.1	73	0.3	13.4	3.3	64	1.43	16.4	4.2	0.4	16	0.3	2.5	0.3	55	0.01	0.045	17
1181208	Soil Pulp			3.6	68.7	11.3	69	1.5	19.4	3.7	73	1.90	11.1	8.4	0.8	23	0.4	2.3	0.2	38	0.04	0.119	13
1181209	Soil Pulp			5.5	56.0	18.5	101	0.5	24.8	5.8	169	2.40	32.4	7.6	0.7	33	0.4	4.1	0.3	48	0.03	0.108	18
1181210	Soil Pulp			4.2	19.5	16.1	80	0.2	16.3	4.3	142	2.31	15.3	1.8	2.1	14	0.6	1.7	0.3	77	0.04	0.075	13
1181211	Soil Pulp			2.8	17.2	8.6	79	0.3	18.0	4.1	77	1.52	8.5	1.9	0.4	8	0.4	1.2	0.3	48	0.02	0.035	18
1181212	Soil Pulp			5.1	29.0	14.9	91	0.5	23.2	5.0	78	2.59	11.3	2.1	0.3	24	0.3	1.4	0.3	51	0.01	0.068	16
1181213	Soil Pulp			3.7	35.9	14.4	96	0.3	17.9	3.9	100	2.61	29.9	4.6	1.0	18	0.3	3.4	0.3	72	0.02	0.090	15
1181214	Soil Pulp			1.9	31.0	6.7	37	1.3	8.2	1.8	32	0.83	8.4	2.3	0.1	11	0.5	1.2	0.1	35	0.04	0.051	7
1181215	Soil Pulp			4.0	45.9	17.2	108	0.4	22.0	4.5	90	3.35	35.7	5.5	1.6	17	0.3	3.9	0.3	74	0.02	0.115	14
1181216	Soil Pulp			2.3	20.7	9.2	46	0.4	9.4	2.1	37	0.99	8.7	0.9	0.1	12	0.3	1.4	0.2	42	0.03	0.045	10
1181217	Soil Pulp			3.7	67.5	11.3	136	0.4	46.1	11.5	239	4.98	18.1	1.9	0.5	9	0.8	2.8	0.4	112	0.04	0.072	14
1181219	Soil Pulp			5.2	56.8	22.3	143	1.5	33.4	6.6	148	4.32	53.4	7.8	1.4	18	0.6	5.0	0.4	82	0.03	0.113	11
1181220	Soil Pulp			1.7	23.7	8.7	54	0.5	9.5	2.3	189	1.04	6.4	2.3	<0.1	14	0.6	1.3	0.2	25	0.07	0.081	6
1181221	Soil Pulp			1.2	32.9	5.1	36	0.5	7.8	1.9	35	1.08	13.1	1.8	<0.1	10	0.3	2.0	0.1	26	0.03	0.073	4
1181245	Soil Pulp			5.8	59.9	11.1	250	1.2	66.4	9.7	3015	2.38	31.8	11.1	1.6	114	4.4	4.6	0.2	59	1.07	0.133	10
1181246	Soil Pulp			6.9	53.9	7.8	124	0.8	49.7	7.1	2011	1.86	27.1	8.7	0.8	70	1.7	3.3	0.2	46	0.58	0.119	8
1181247	Soil Pulp			1.2	4.9	1.9	8	<0.1	2.8	0.8	15	0.63	4.7	1.7	0.2	55	0.2	0.7	<0.1	10	0.54	0.053	1
1181248	Soil Pulp			2.8	60.2	12.2	147	1.4	46.2	9.8	1498	2.18	24.4	10.0	1.3	112	2.8	2.8	0.2	56	0.88	0.094	9
1181249	Soil Pulp			1.4	51.1	11.2	113	1.0	39.3	7.6	316	1.96	21.7	11.1	1.9	103	1.2	2.8	0.2	61	0.85	0.077	9
1181251	Soil Pulp			9.8	22.3	6.2	54	0.3	10.9	1.5	58	0.84	16.7	6.2	0.4	26	0.2	4.1	0.1	44	0.05	0.064	11

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Page: 4 of 9 Part 2

**CERTIFICATE OF ANALYSIS**

**VAN11003579.1**

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1180973	Soil Pulp	25	0.35	681	0.022	2	1.03	0.006	0.12	0.9	0.29	1.7	0.3	0.07	3	6.8	<0.2
1180974	Soil Pulp	21	0.35	644	0.051	2	1.17	0.018	0.17	2.2	0.04	1.8	0.3	0.10	4	3.3	<0.2
1180975	Soil Pulp	23	0.42	623	0.071	1	1.42	0.020	0.20	2.7	0.04	3.0	0.2	<0.05	4	2.4	<0.2
1180976	Soil Pulp	25	0.38	645	0.042	<1	1.58	0.008	0.08	0.5	0.05	2.9	0.2	<0.05	3	2.1	<0.2
1181201	Soil Pulp	17	0.18	669	0.008	2	0.91	0.005	0.09	0.2	0.33	0.9	0.3	0.08	4	2.0	<0.2
1181202	Soil Pulp	19	0.21	896	0.008	2	0.82	0.008	0.09	0.2	0.38	0.9	0.2	0.18	3	3.9	<0.2
1181203	Soil Pulp	26	0.34	356	0.018	2	1.31	0.005	0.09	0.3	0.15	1.4	0.2	0.06	4	1.7	<0.2
1181204	Soil Pulp	6	0.03	123	0.006	<1	0.29	0.009	0.04	<0.1	0.03	0.2	<0.1	<0.05	3	<0.5	<0.2
1181205	Soil Pulp	17	0.16	173	0.011	<1	1.00	0.007	0.07	0.2	0.09	0.6	0.2	<0.05	4	0.8	<0.2
1181206	Soil Pulp	18	0.35	537	0.021	2	0.94	0.005	0.10	0.3	0.12	1.8	0.1	<0.05	3	0.7	<0.2
1181207	Soil Pulp	11	0.04	132	0.012	<1	0.46	0.005	0.07	0.1	0.02	0.5	0.1	<0.05	4	0.8	<0.2
1181208	Soil Pulp	15	0.25	1020	0.005	2	1.05	0.007	0.09	<0.1	0.17	1.1	0.1	0.09	3	1.2	<0.2
1181209	Soil Pulp	12	0.11	699	0.004	2	0.78	0.003	0.09	0.1	0.09	0.6	0.2	0.09	3	1.7	<0.2
1181210	Soil Pulp	17	0.12	177	0.028	1	0.98	0.003	0.06	0.2	0.02	1.4	0.2	<0.05	6	<0.5	<0.2
1181211	Soil Pulp	11	0.05	177	0.008	<1	0.70	0.003	0.05	0.1	0.01	0.5	0.1	<0.05	5	0.5	<0.2
1181212	Soil Pulp	9	0.04	337	0.009	1	0.70	0.007	0.10	0.1	0.02	0.5	0.2	0.13	4	0.8	<0.2
1181213	Soil Pulp	15	0.11	202	0.014	2	0.79	0.003	0.07	0.2	0.01	1.0	0.1	<0.05	5	0.9	<0.2
1181214	Soil Pulp	7	0.03	208	0.004	<1	0.44	0.010	0.04	0.1	0.03	0.2	<0.1	<0.05	3	<0.5	<0.2
1181215	Soil Pulp	17	0.11	170	0.011	2	0.92	0.002	0.07	0.2	0.03	1.3	0.1	<0.05	5	1.3	<0.2
1181216	Soil Pulp	9	0.03	139	0.005	1	0.49	0.005	0.05	0.1	0.02	0.1	0.1	<0.05	4	0.5	<0.2
1181217	Soil Pulp	20	0.05	165	0.014	1	0.72	0.003	0.04	0.2	0.04	1.1	0.1	<0.05	8	0.7	<0.2
1181219	Soil Pulp	22	0.10	237	0.018	<1	1.17	0.003	0.07	0.2	0.07	1.8	0.2	0.05	7	1.3	<0.2
1181220	Soil Pulp	7	0.02	192	0.003	<1	0.39	0.008	0.04	<0.1	0.04	0.1	0.1	<0.05	3	0.6	<0.2
1181221	Soil Pulp	6	0.02	86	0.003	<1	0.32	0.009	0.03	<0.1	0.03	0.1	<0.1	<0.05	2	0.6	<0.2
1181245	Soil Pulp	22	0.44	1334	0.006	5	1.35	0.009	0.18	0.2	0.30	2.2	0.2	0.11	4	3.9	<0.2
1181246	Soil Pulp	16	0.27	1128	0.008	4	1.27	0.013	0.13	0.2	0.26	1.4	0.1	0.11	4	2.9	<0.2
1181247	Soil Pulp	3	0.09	187	0.012	2	0.20	0.023	0.03	<0.1	0.05	0.4	<0.1	0.16	<1	1.3	<0.2
1181248	Soil Pulp	21	0.37	792	0.005	4	1.24	0.009	0.16	0.2	0.37	2.0	0.2	0.13	3	6.2	<0.2
1181249	Soil Pulp	23	0.36	705	0.008	5	1.36	0.012	0.16	0.2	0.35	2.5	0.2	0.14	4	3.9	<0.2
1181251	Soil Pulp	7	0.05	203	0.003	2	0.30	0.002	0.05	0.1	0.05	0.3	<0.1	<0.05	1	1.2	<0.2

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Page: 5 of 9 Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 P	1DX15 La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001	1
1181252	Soil Pulp	4.3	23.3	15.6	50	0.4	11.5	2.5	65	1.67	23.3	3.6	0.2	15	0.4	2.0	0.3	58	0.04	0.103	12		
1181253	Soil Pulp	3.8	11.8	13.0	72	0.9	12.2	2.8	96	2.28	22.2	2.5	0.6	10	0.5	2.1	0.3	79	0.03	0.055	11		
1181254	Soil Pulp	6.0	51.1	15.1	91	0.3	16.5	3.9	138	2.51	25.9	19.4	1.4	11	0.2	2.6	0.4	76	0.03	0.074	15		
1181255	Soil Pulp	2.0	172.5	12.4	58	1.3	39.3	2.9	48	1.08	11.9	5.2	0.7	70	2.2	1.5	0.2	38	0.46	0.066	11		
1181256	Soil Pulp	4.5	16.6	12.5	69	0.5	13.4	3.1	125	1.73	24.7	2.0	1.9	18	0.4	2.7	0.2	61	0.06	0.044	17		
1181257	Soil Pulp	5.6	49.0	11.6	109	0.6	22.0	11.5	345	1.98	23.8	6.9	2.2	52	1.2	3.6	0.3	54	0.30	0.098	15		
1181258	Soil Pulp	3.3	106.4	11.4	86	2.0	29.2	5.9	183	1.42	26.3	10.8	0.7	66	1.5	2.2	0.2	60	0.40	0.104	11		
1181259	Soil Pulp	4.7	50.1	10.3	111	1.2	28.6	5.0	257	1.49	22.0	7.5	2.1	67	0.9	4.2	0.2	42	0.29	0.074	16		
1181260	Soil Pulp	5.8	43.0	17.2	121	0.5	23.8	5.1	111	3.40	44.6	13.4	3.2	12	0.4	4.5	0.3	83	0.02	0.066	18		
1181414	Soil Pulp	11.7	41.6	13.0	504	1.2	60.1	10.8	834	2.31	39.6	9.5	0.7	25	3.1	4.5	0.4	88	0.15	0.103	13		
1181415	Soil Pulp	5.2	62.2	11.8	390	1.5	70.1	17.0	919	2.16	27.3	8.2	0.9	30	4.3	2.9	0.3	49	0.14	0.099	11		
1181416	Soil Pulp	3.0	35.2	9.6	176	1.0	41.2	8.4	945	1.80	24.3	7.4	0.7	59	1.4	2.1	0.3	45	0.48	0.086	9		
1181417	Soil Pulp	3.0	25.4	12.2	121	1.2	23.6	19.1	1776	1.90	24.3	7.8	0.7	44	1.1	1.9	0.3	57	0.30	0.077	11		
1181418	Soil Pulp	3.1	52.8	10.0	139	0.7	30.0	13.1	871	2.19	22.3	9.3	1.0	14	1.4	6.5	0.3	42	0.06	0.090	12		
1181419	Soil Pulp	3.0	31.6	11.0	97	1.4	21.9	4.8	200	1.59	37.2	11.3	0.6	37	1.3	2.2	0.3	65	0.21	0.087	9		
1181420	Soil Pulp	2.8	51.3	8.3	136	1.5	35.4	8.2	432	1.52	21.0	8.5	0.7	125	3.4	2.5	0.2	45	1.12	0.124	8		
1181421	Soil Pulp	3.3	18.6	10.9	62	0.3	11.3	2.1	54	1.48	28.9	3.6	0.7	13	0.4	2.4	0.2	56	0.04	0.045	12		
1181422	Soil Pulp	7.9	40.0	34.7	124	0.6	21.2	3.7	69	3.39	37.6	6.5	3.1	68	0.2	7.4	0.3	98	0.02	0.081	18		
1181423	Soil Pulp	6.5	35.7	17.9	115	0.8	20.9	3.5	89	2.55	41.0	6.1	1.9	32	0.3	5.5	0.3	70	0.04	0.270	13		
1181424	Soil Pulp	7.5	36.2	21.0	134	1.0	24.7	4.3	168	4.38	59.8	7.2	3.2	23	0.3	6.5	0.3	107	0.02	0.120	12		
1181425	Soil Pulp	3.7	18.7	12.1	83	0.1	15.2	2.9	90	2.00	32.3	5.4	2.3	22	0.2	3.1	0.3	59	0.06	0.069	13		
1181426	Soil Pulp	3.2	17.4	10.7	45	1.2	8.0	2.1	65	1.87	20.9	1.0	0.6	6	0.4	1.7	0.2	61	0.02	0.062	9		
1181427	Soil Pulp	4.2	17.8	13.9	65	0.9	12.9	3.0	115	2.83	29.8	6.7	3.0	9	0.2	2.4	0.3	90	0.02	0.070	12		
1181428	Soil Pulp	4.8	25.7	19.5	100	0.7	17.2	3.4	112	3.25	50.1	3.9	2.9	15	0.4	3.8	0.4	111	0.03	0.181	13		
1181429	Soil Pulp	4.9	25.1	16.6	84	0.5	15.5	3.5	109	3.32	51.3	6.5	1.9	12	0.5	4.0	0.4	94	0.03	0.203	13		
1181430	Soil Pulp	0.2	7.0	1.2	7	0.2	3.4	0.6	13	0.29	0.5	0.8	<0.1	15	0.3	0.1	<0.1	4	0.09	0.037	<1		
1181431	Soil Pulp	4.3	11.5	16.3	71	0.8	12.7	3.6	146	2.89	26.7	1.2	1.8	6	0.9	2.1	0.3	105	0.03	0.044	11		
1181432	Soil Pulp	4.4	11.3	15.0	68	1.2	11.5	3.3	110	2.34	16.7	12.5	1.9	12	0.3	1.7	0.2	76	0.04	0.050	11		
1181433	Soil Pulp	5.4	21.6	15.0	96	0.5	16.4	2.9	70	2.41	27.4	3.4	0.2	16	0.3	2.7	0.2	89	0.04	0.210	11		

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Project: CCJV  
 Report Date: September 14, 2011

Page: 5 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003579.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1181252	Soil Pulp	16	0.08	245	0.005	2	0.85	0.007	0.07	0.2	0.05	0.2	0.1	<0.05	5	1.2	<0.2
1181253	Soil Pulp	18	0.11	180	0.012	2	0.99	0.004	0.05	0.3	0.04	0.8	0.2	<0.05	5	0.8	<0.2
1181254	Soil Pulp	16	0.11	189	0.018	2	0.86	0.003	0.07	0.2	0.03	0.9	0.2	<0.05	6	1.8	<0.2
1181255	Soil Pulp	16	0.11	972	0.006	2	0.78	0.006	0.07	0.2	0.19	1.6	<0.1	0.07	3	1.3	<0.2
1181256	Soil Pulp	11	0.08	225	0.010	1	0.54	0.002	0.07	0.2	0.02	0.7	0.1	<0.05	3	0.8	<0.2
1181257	Soil Pulp	17	0.29	640	0.007	2	0.96	0.006	0.12	0.3	0.21	1.5	0.2	<0.05	3	1.1	<0.2
1181258	Soil Pulp	19	0.27	909	0.005	4	1.05	0.007	0.12	0.3	0.38	1.4	0.2	0.09	3	1.3	<0.2
1181259	Soil Pulp	14	0.19	735	0.005	3	0.79	0.004	0.12	0.2	0.32	1.6	0.2	0.06	2	1.8	<0.2
1181260	Soil Pulp	21	0.17	281	0.008	1	1.32	0.003	0.08	0.2	0.04	1.5	0.2	<0.05	5	1.8	<0.2
1181414	Soil Pulp	26	0.26	619	0.009	3	1.20	0.007	0.10	0.4	0.55	1.7	0.4	0.06	4	2.9	<0.2
1181415	Soil Pulp	20	0.16	571	0.012	3	1.18	0.008	0.07	0.5	0.33	1.6	0.3	<0.05	4	3.3	<0.2
1181416	Soil Pulp	17	0.17	538	0.010	2	0.89	0.013	0.07	0.4	0.31	1.5	0.2	0.06	3	3.1	<0.2
1181417	Soil Pulp	21	0.25	603	0.010	2	1.06	0.007	0.08	0.3	0.40	1.5	0.2	0.05	4	3.4	<0.2
1181418	Soil Pulp	17	0.14	352	0.017	3	1.24	0.009	0.06	0.4	0.28	1.9	0.2	<0.05	3	2.6	<0.2
1181419	Soil Pulp	22	0.20	568	0.007	3	0.98	0.006	0.08	0.5	0.40	1.1	0.3	0.06	4	2.0	<0.2
1181420	Soil Pulp	19	0.31	1792	0.011	5	0.92	0.009	0.06	0.3	0.36	1.4	0.2	0.19	3	5.7	<0.2
1181421	Soil Pulp	13	0.10	206	0.011	2	0.61	0.003	0.05	0.5	0.04	0.7	0.2	<0.05	4	1.1	<0.2
1181422	Soil Pulp	22	0.08	236	0.011	<1	0.84	0.003	0.07	0.2	0.06	1.4	0.2	0.06	7	2.0	<0.2
1181423	Soil Pulp	16	0.09	265	0.011	1	0.71	0.003	0.06	0.4	0.06	1.1	0.2	<0.05	4	2.8	<0.2
1181424	Soil Pulp	24	0.17	202	0.013	1	1.14	0.002	0.07	0.7	0.08	1.6	0.2	<0.05	6	2.4	<0.2
1181425	Soil Pulp	14	0.11	179	0.016	<1	0.59	0.003	0.06	0.8	0.02	1.0	0.2	<0.05	4	1.3	<0.2
1181426	Soil Pulp	11	0.06	109	0.015	<1	0.79	0.006	0.04	0.5	0.07	0.7	0.1	<0.05	5	0.7	<0.2
1181427	Soil Pulp	19	0.14	133	0.010	<1	1.11	0.002	0.04	0.5	0.06	1.2	0.2	<0.05	6	1.0	<0.2
1181428	Soil Pulp	19	0.14	197	0.019	1	0.90	0.003	0.07	0.8	0.04	1.3	0.2	<0.05	6	1.2	<0.2
1181429	Soil Pulp	15	0.10	126	0.027	<1	0.71	0.002	0.06	0.9	0.08	1.0	0.2	<0.05	7	1.3	<0.2
1181430	Soil Pulp	3	0.02	101	0.004	<1	0.14	0.021	0.02	<0.1	0.03	0.2	<0.1	<0.05	<1	<0.5	<0.2
1181431	Soil Pulp	16	0.12	87	0.027	<1	0.91	0.003	0.04	0.4	0.03	1.0	0.2	<0.05	7	0.6	<0.2
1181432	Soil Pulp	15	0.16	251	0.020	<1	1.08	0.004	0.05	0.2	0.07	1.2	0.2	<0.05	5	0.7	<0.2
1181433	Soil Pulp	20	0.13	218	0.005	1	0.93	0.004	0.07	0.3	0.06	0.4	0.3	<0.05	5	1.2	<0.2

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 Report Date: September 14, 2011

Page: 6 of 9 Part 2

**CERTIFICATE OF ANALYSIS**

**VAN11003579.1**

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1181434	Soil Pulp	16	0.26	544	0.013	1	0.80	0.005	0.10	0.3	0.18	1.7	0.2	<0.05	3	1.0	<0.2
1181435	Soil Pulp	10	0.07	98	0.027	<1	0.61	0.002	0.04	0.1	0.03	0.6	0.2	<0.05	6	0.6	<0.2
1181436	Soil Pulp	28	0.19	243	0.008	<1	1.22	0.002	0.06	0.2	0.12	1.8	0.4	<0.05	5	2.3	<0.2
1181437	Soil Pulp	21	0.18	244	0.011	1	1.15	0.003	0.06	0.2	0.07	1.4	0.3	<0.05	5	2.2	<0.2
1181438	Soil Pulp	19	0.15	143	0.014	<1	1.11	0.003	0.05	0.2	0.04	0.9	0.2	<0.05	7	1.0	<0.2
1181440	Soil Pulp	135	0.10	365	0.007	<1	1.08	0.003	0.08	0.4	0.24	0.5	1.1	0.06	7	13.2	<0.2
1181441	Soil Pulp	136	0.12	994	0.006	<1	1.40	0.005	0.19	0.9	1.36	1.9	2.6	0.20	7	33.3	0.4
1181442	Soil Pulp	99	0.09	1296	0.005	<1	1.10	0.004	0.19	0.8	0.73	0.9	3.7	0.20	5	32.2	0.3
1181443	Soil Pulp	93	0.11	1078	0.006	3	1.18	0.004	0.19	0.7	0.31	0.7	2.2	0.21	4	21.7	0.2
1181444	Soil Pulp	28	0.45	373	0.078	2	1.69	0.006	0.15	3.1	0.06	2.8	0.2	<0.05	7	1.0	<0.2
1181445	Soil Pulp	31	0.30	183	0.051	<1	1.37	0.004	0.11	1.8	0.07	1.7	0.2	<0.05	8	1.6	<0.2
1181446	Soil Pulp	26	0.20	156	0.083	<1	1.20	0.006	0.08	1.2	0.04	1.8	0.3	<0.05	9	2.1	<0.2
1181447	Soil Pulp	20	0.20	181	0.011	<1	1.05	0.009	0.06	0.5	0.17	0.4	0.3	0.05	4	3.0	<0.2
1181448	Soil Pulp	15	0.07	1048	0.009	<1	0.56	0.030	0.12	0.6	0.31	0.5	0.6	0.38	3	15.4	0.3
1181449	Soil Pulp	21	0.05	184	0.004	<1	0.50	0.003	0.08	0.2	0.06	0.3	0.3	0.07	3	4.2	0.2
1181450	Soil Pulp	50	0.17	315	0.009	1	0.85	0.003	0.12	0.5	0.16	1.6	0.7	0.05	3	9.0	<0.2
1181451	Soil Pulp	23	0.14	657	0.005	3	0.79	0.011	0.05	0.4	0.08	1.0	0.1	0.06	4	1.8	<0.2
1181469	Soil Pulp	23	0.14	657	0.005	3	0.79	0.011	0.05	0.4	0.08	1.0	0.1	0.06	4	1.8	<0.2
1181470	Soil Pulp	18	0.09	95	0.028	2	0.65	0.003	0.04	0.8	0.02	0.9	<0.1	<0.05	9	0.8	<0.2
1181471	Soil Pulp	33	0.41	278	0.039	2	1.86	0.005	0.08	0.8	0.04	2.4	0.2	<0.05	9	1.9	<0.2
1181473	Soil Pulp	9	0.08	60	0.050	1	0.52	0.003	0.03	0.3	0.01	0.7	0.1	<0.05	7	0.6	<0.2
1181474	Soil Pulp	20	0.06	431	0.005	2	0.47	0.008	0.06	0.3	0.04	0.7	0.2	0.06	3	1.6	<0.2
1181476	Soil Pulp	25	0.33	389	0.034	<1	1.39	0.009	0.07	3.0	0.07	1.9	0.2	<0.05	5	1.8	<0.2

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Page: 7 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003579.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1181478	Soil Pulp	4.9	31.3	21.8	82	0.4	16.8	3.2	98	3.58	68.7	5.6	2.5	18	0.3	7.4	0.7	102	0.03	0.087	19
1181479	Soil Pulp	15.0	41.4	24.8	93	1.6	22.8	3.4	115	4.36	72.7	7.6	0.4	39	0.3	13.0	0.4	133	0.02	0.133	13
1181480	Soil Pulp	9.0	32.1	18.4	77	0.4	16.3	3.3	96	2.58	47.6	3.4	0.4	26	0.3	7.6	0.4	99	0.07	0.069	17
1181481	Soil Pulp	4.3	38.8	18.4	95	0.4	24.4	3.6	96	3.62	62.1	7.0	1.5	19	0.2	9.6	0.4	68	0.03	0.093	17
1181483	Soil Pulp	3.3	11.0	9.4	102	0.5	13.4	3.1	100	1.73	9.3	2.0	3.0	10	0.4	1.3	0.2	55	0.05	0.029	17
1181484	Soil Pulp	6.8	32.0	19.6	321	0.4	42.6	6.5	137	3.38	27.5	2.9	1.9	27	1.1	3.1	0.3	76	0.05	0.125	15
1181485	Soil Pulp	3.9	12.1	14.4	87	6.4	10.9	1.5	54	1.41	13.5	1.5	1.9	15	0.8	1.7	0.3	73	0.05	0.136	14
1181486	Soil Pulp	5.1	24.1	12.7	368	0.5	32.2	4.9	90	2.95	15.8	1.1	4.2	17	5.0	2.0	0.3	46	0.03	0.086	21
1181487	Soil Pulp	13.5	38.0	18.3	260	1.1	43.6	3.6	69	2.22	36.6	2.2	0.3	35	0.9	7.0	0.3	153	0.07	0.141	18
1181488	Soil Pulp	9.3	24.8	12.7	138	1.2	23.3	2.1	32	1.19	17.0	3.2	0.4	37	0.5	4.4	0.2	143	0.03	0.048	15
1181489	Soil Pulp	7.2	34.4	9.7	255	0.9	32.8	5.2	82	2.67	25.8	2.2	3.2	9	0.7	3.0	0.3	62	0.02	0.044	23
1181490	Soil Pulp	13.0	44.6	21.2	398	0.9	55.4	6.6	116	3.70	48.0	2.6	3.3	28	1.6	6.2	0.3	138	0.04	0.200	18
1181491	Soil Pulp	6.8	22.5	11.8	359	2.7	36.5	4.9	75	2.71	22.5	1.2	2.8	9	4.1	4.3	0.3	66	0.03	0.053	16
1181492	Soil Pulp	13.2	46.7	20.4	264	1.7	37.9	3.6	76	2.25	48.0	1.6	1.0	40	4.8	8.0	0.4	193	0.10	0.164	19
1181493	Soil Pulp	5.1	7.7	11.7	71	0.5	9.8	2.0	85	1.42	22.7	1.4	1.2	14	0.4	2.0	0.3	94	0.07	0.060	16
1181494	Soil Pulp	8.4	16.3	12.0	119	0.9	16.6	1.9	35	1.03	17.3	<0.5	0.3	16	0.9	6.2	0.2	115	0.02	0.036	22
1181495	Soil Pulp	10.2	26.4	12.6	307	1.0	47.4	3.0	43	1.66	34.5	2.5	1.5	16	1.0	7.4	0.2	122	0.03	0.076	20
1181496	Soil Pulp	3.3	15.8	8.7	113	1.0	12.0	1.9	21	0.90	10.0	1.4	0.5	12	0.5	2.5	0.2	58	0.02	0.041	20
1181497	Soil Pulp	52.9	238.6	16.0	1075	10.3	158.6	5.4	115	3.47	122.3	8.5	3.7	84	9.8	33.1	0.3	431	0.24	0.218	27
1181498	Soil Pulp	9.0	45.9	8.6	186	7.7	31.1	2.2	37	1.29	19.8	<0.5	0.2	18	5.2	6.1	0.2	140	0.08	0.103	9
1181499	Soil Pulp	11.8	34.6	18.7	220	0.5	37.5	5.2	159	2.20	41.6	1.8	1.1	38	1.7	6.4	0.3	135	0.11	0.132	18
1181500	Soil Pulp	11.8	32.0	15.8	258	0.5	42.6	4.2	107	2.06	38.7	2.9	0.7	26	0.7	5.7	0.2	106	0.11	0.115	20
1181583	Soil Pulp	2.2	20.6	27.8	72	0.1	23.2	8.6	545	5.28	154.9	5.9	3.1	16	0.2	13.3	1.1	53	0.05	0.088	19

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Page: 7 of 9 Part 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181478	Soil Pulp	19	0.09	157	0.044	1	0.85	0.004	0.06	1.3	0.02	1.2	0.1	<0.05	10	1.9	<0.2
1181479	Soil Pulp	32	0.11	358	0.005	2	1.05	0.006	0.10	0.3	0.13	0.9	0.6	0.10	5	3.4	0.2
1181480	Soil Pulp	22	0.09	242	0.012	2	0.71	0.005	0.07	0.4	0.02	0.7	0.3	0.06	5	2.3	<0.2
1181481	Soil Pulp	30	0.19	172	0.016	<1	0.90	0.004	0.05	0.5	0.03	1.3	0.1	<0.05	5	2.6	<0.2
1181483	Soil Pulp	10	0.11	454	0.007	2	0.73	0.003	0.09	0.1	0.03	0.8	0.2	<0.05	3	1.2	<0.2
1181484	Soil Pulp	16	0.13	396	0.008	1	0.93	0.004	0.10	0.2	0.02	1.5	0.2	<0.05	4	2.3	<0.2
1181485	Soil Pulp	15	0.08	227	0.020	<1	0.85	0.003	0.05	0.2	0.08	0.9	0.2	<0.05	5	1.8	<0.2
1181486	Soil Pulp	12	0.09	422	0.005	<1	0.74	0.005	0.13	0.2	<0.01	1.3	0.2	<0.05	4	1.2	<0.2
1181487	Soil Pulp	23	0.12	334	0.009	2	0.84	0.003	0.11	0.5	0.11	0.6	0.5	<0.05	5	4.3	<0.2
1181488	Soil Pulp	18	0.04	217	0.009	<1	0.54	0.004	0.07	0.4	0.05	0.5	0.3	<0.05	4	4.0	<0.2
1181489	Soil Pulp	8	0.05	233	0.008	<1	0.62	0.003	0.07	0.2	0.01	1.2	0.2	<0.05	4	1.3	<0.2
1181490	Soil Pulp	20	0.12	403	0.007	1	1.01	0.004	0.11	0.3	0.03	1.9	0.4	<0.05	5	3.5	<0.2
1181491	Soil Pulp	10	0.06	362	0.008	2	0.71	0.005	0.08	0.2	0.04	1.5	0.2	<0.05	3	2.2	<0.2
1181492	Soil Pulp	33	0.16	438	0.011	2	1.00	0.005	0.11	0.6	0.14	1.4	0.4	<0.05	5	4.8	<0.2
1181493	Soil Pulp	14	0.13	185	0.024	1	0.73	0.003	0.07	0.3	0.02	0.9	0.2	<0.05	5	1.1	<0.2
1181494	Soil Pulp	12	0.04	201	0.008	1	0.40	0.003	0.07	0.4	0.04	0.4	0.3	<0.05	3	2.0	<0.2
1181495	Soil Pulp	17	0.05	302	0.007	<1	0.57	0.002	0.08	0.3	0.06	1.0	0.3	<0.05	3	3.6	<0.2
1181496	Soil Pulp	11	0.05	211	0.008	<1	0.64	0.002	0.06	0.1	0.02	0.5	0.2	<0.05	4	1.5	<0.2
1181497	Soil Pulp	124	0.23	1038	0.006	2	1.33	0.005	0.21	0.8	0.66	3.8	1.9	0.19	5	26.1	0.4
1181498	Soil Pulp	17	0.07	314	0.004	2	0.49	0.013	0.09	0.4	0.23	0.4	0.2	<0.05	2	5.1	<0.2
1181499	Soil Pulp	19	0.16	485	0.009	3	0.79	0.003	0.11	0.5	0.07	1.1	0.3	<0.05	3	2.8	<0.2
1181500	Soil Pulp	16	0.16	276	0.009	3	0.68	0.003	0.10	0.6	0.05	0.9	0.3	<0.05	3	2.9	<0.2
1181583	Soil Pulp	28	0.51	92	0.007	<1	1.91	0.007	0.06	0.4	0.02	1.4	0.2	<0.05	7	1.0	<0.2

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Project: CCJV  
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Page: 8 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003579.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1181595	Soil Pulp	2.7	95.7	13.2	230	0.5	67.9	16.4	369	2.74	110.9	22.1	2.4	16	0.7	14.1	0.6	41	0.14	0.073	14
1181596	Soil Pulp	3.4	216.6	15.8	512	0.6	157.2	32.4	954	2.80	127.2	28.9	2.8	23	2.4	16.8	0.6	42	0.25	0.096	15
1181597	Soil Pulp	3.2	181.3	14.5	266	1.0	94.2	15.0	283	2.40	95.9	31.2	1.4	30	1.1	14.7	0.6	39	0.42	0.097	17
1181598	Soil Pulp	2.5	72.9	12.3	161	0.8	47.2	14.2	316	3.10	91.5	10.5	2.4	36	0.6	5.0	1.1	44	0.45	0.067	19
1181599	Soil Pulp	1.9	23.3	6.5	58	0.5	18.0	5.7	195	1.74	58.7	5.9	1.2	25	0.1	2.2	0.8	29	0.29	0.056	10
1181600	Soil Pulp	6.9	95.1	18.4	383	1.7	131.0	46.5	413	3.49	93.6	13.6	2.0	73	5.6	9.6	0.8	43	1.14	0.137	17
1181601	Soil Pulp	3.1	23.2	8.6	58	0.6	15.9	2.5	99	1.28	23.2	11.1	0.7	26	0.8	2.2	0.5	32	0.23	0.105	14
1181667	Soil Pulp	5.5	31.7	9.1	117	0.7	22.0	5.1	206	1.71	23.6	6.0	1.1	33	0.8	3.2	0.2	67	0.14	0.095	11
1181668	Soil Pulp	5.0	52.7	13.8	168	1.0	34.5	7.1	224	2.52	33.9	13.1	2.2	67	0.8	5.2	0.3	67	0.26	0.122	13
1181669	Soil Pulp	5.3	47.7	11.9	114	3.1	30.3	7.6	338	2.59	33.2	11.5	0.8	54	1.8	2.9	0.3	68	0.30	0.126	9
1181670	Soil Pulp	3.8	36.4	8.8	160	0.9	32.8	4.4	265	1.47	19.3	6.9	0.9	101	1.2	4.3	0.2	49	0.79	0.104	7
1181671	Soil Pulp	4.3	40.9	9.3	106	1.2	22.9	7.6	287	1.66	21.9	7.1	0.3	28	1.1	3.0	0.2	64	0.11	0.084	11
1181672	Soil Pulp	3.9	57.6	10.0	134	2.6	33.1	7.4	431	1.78	23.7	13.7	0.8	77	2.0	3.6	0.2	71	0.65	0.117	9
1181673	Soil Pulp	5.1	18.9	15.8	98	0.7	16.3	3.6	127	2.98	36.6	3.4	1.1	12	0.5	2.9	0.3	118	0.03	0.120	11
1181674	Soil Pulp	5.4	61.6	9.2	161	0.8	32.1	5.7	483	2.16	38.6	9.0	1.1	35	2.5	2.9	0.3	74	0.16	0.085	11
1181675	Soil Pulp	3.6	43.0	10.0	138	1.2	29.4	6.5	242	1.84	30.1	9.9	1.7	49	0.8	3.3	0.2	60	0.22	0.085	12
1181676	Soil Pulp	4.4	24.4	11.5	77	0.9	13.8	2.6	76	1.64	20.6	3.4	2.5	15	0.3	2.6	0.2	70	0.04	0.083	11
1181686	Soil Pulp	5.4	8.0	18.2	7	0.2	1.3	0.4	14	1.68	84.3	4.8	2.5	5	<0.1	11.3	0.3	26	0.01	0.029	32
1181687	Soil Pulp	10.9	42.2	16.8	100	4.0	23.8	4.3	150	3.37	129.0	11.2	1.4	49	0.6	10.5	0.3	79	0.09	0.375	13
1181688	Soil Pulp	4.1	11.7	6.2	15	0.8	2.5	0.7	20	0.51	29.5	0.6	0.2	6	0.2	4.2	0.1	34	0.02	0.039	9
1181689	Soil Pulp	4.3	33.3	17.2	41	0.9	8.9	2.2	60	2.69	569.7	16.0	0.4	30	0.2	14.7	0.5	57	0.03	0.078	23
1181690	Soil Pulp	1.4	11.6	6.7	29	0.1	6.1	2.4	68	1.33	69.5	18.0	0.5	6	<0.1	2.0	1.7	40	0.03	0.029	7
1181691	Soil Pulp	3.3	16.1	8.0	45	<0.1	10.8	3.2	145	1.62	50.6	6.7	0.7	7	<0.1	2.0	1.3	71	0.03	0.027	12
1181692	Soil Pulp	3.2	112.8	18.3	151	1.3	59.5	19.3	538	5.03	296.4	36.1	3.5	75	0.3	19.0	0.5	57	0.10	0.126	21
1181693	Soil Pulp	2.3	57.3	8.2	88	0.3	22.6	6.3	289	3.03	87.5	11.8	0.8	28	0.1	2.0	0.3	37	0.05	0.065	11
1181694	Soil Pulp	2.3	81.1	9.4	121	0.4	47.8	15.6	867	2.88	272.3	21.2	1.1	50	0.3	3.6	0.3	51	0.13	0.077	11
1181695	Soil Pulp	1.0	11.0	9.8	53	0.2	8.0	6.1	296	2.05	118.3	9.0	4.2	10	0.1	2.5	0.9	33	0.12	0.056	21
1181696	Soil Pulp	3.5	102.9	16.1	150	1.0	57.1	17.1	771	5.67	335.8	42.0	0.7	40	0.3	9.7	0.3	45	0.10	0.117	11

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Page: 8 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003579.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1181595	Soil Pulp	25	0.36	632	0.028	<1	1.13	0.011	0.07	2.4	0.05	1.9	0.1	0.05	3	1.5	<0.2
1181596	Soil Pulp	28	0.40	679	0.030	<1	1.64	0.010	0.09	1.7	0.06	2.2	0.1	0.05	3	1.6	<0.2
1181597	Soil Pulp	23	0.36	734	0.019	<1	1.31	0.009	0.06	1.5	0.07	2.0	0.1	<0.05	3	4.0	<0.2
1181598	Soil Pulp	35	0.42	619	0.039	2	2.09	0.012	0.09	2.9	0.08	2.9	0.2	<0.05	6	2.3	<0.2
1181599	Soil Pulp	13	0.23	320	0.046	1	1.47	0.023	0.06	2.6	0.05	1.5	0.1	<0.05	5	0.8	<0.2
1181600	Soil Pulp	30	0.48	735	0.023	2	1.69	0.015	0.13	1.9	0.21	2.5	0.4	0.20	4	12.4	<0.2
1181601	Soil Pulp	20	0.22	461	0.019	2	0.96	0.009	0.07	1.6	0.12	1.1	0.2	0.09	4	2.4	<0.2
1181667	Soil Pulp	19	0.21	270	0.009	2	0.80	0.006	0.10	0.4	0.23	1.5	0.3	<0.05	3	1.6	<0.2
1181668	Soil Pulp	21	0.28	584	0.009	3	1.01	0.006	0.15	0.6	0.71	2.7	0.3	0.09	3	2.9	<0.2
1181669	Soil Pulp	22	0.21	1003	0.005	2	1.28	0.008	0.13	0.3	0.66	2.5	0.3	<0.05	4	2.2	<0.2
1181670	Soil Pulp	15	0.33	474	0.007	2	0.79	0.007	0.09	0.2	0.37	1.5	0.2	0.05	2	4.4	<0.2
1181671	Soil Pulp	20	0.23	625	0.005	2	1.07	0.006	0.13	0.3	0.24	0.9	0.2	<0.05	4	0.6	<0.2
1181672	Soil Pulp	22	0.38	726	0.007	4	1.23	0.007	0.16	0.4	0.49	1.8	0.2	<0.05	4	4.1	<0.2
1181673	Soil Pulp	19	0.15	156	0.015	<1	1.08	0.003	0.06	0.6	0.06	1.2	0.2	<0.05	6	1.2	<0.2
1181674	Soil Pulp	23	0.23	505	0.006	2	1.18	0.006	0.14	0.3	0.15	1.9	0.2	<0.05	4	1.8	<0.2
1181675	Soil Pulp	19	0.27	574	0.009	2	1.02	0.007	0.13	0.4	0.16	2.0	0.2	<0.05	3	2.1	<0.2
1181676	Soil Pulp	16	0.13	250	0.009	<1	0.96	0.004	0.08	0.4	0.06	1.4	0.2	<0.05	5	0.8	<0.2
1181686	Soil Pulp	7	0.03	196	0.004	<1	0.32	0.003	0.10	0.1	0.03	0.5	0.2	0.12	2	2.2	<0.2
1181687	Soil Pulp	32	0.17	1682	0.012	<1	1.88	0.004	0.07	0.4	0.78	1.0	0.5	0.06	5	6.5	<0.2
1181688	Soil Pulp	6	0.01	104	0.005	<1	0.25	0.009	0.03	0.1	0.05	0.2	<0.1	<0.05	1	1.2	<0.2
1181689	Soil Pulp	24	0.05	194	0.008	<1	0.50	0.002	0.05	0.5	0.04	0.4	0.4	<0.05	5	6.0	<0.2
1181690	Soil Pulp	10	0.13	53	0.042	<1	0.91	0.008	0.03	6.4	0.02	0.7	0.1	<0.05	6	<0.5	<0.2
1181691	Soil Pulp	19	0.18	142	0.057	<1	0.87	0.007	0.07	0.7	0.02	1.2	0.1	<0.05	7	0.5	<0.2
1181692	Soil Pulp	46	0.55	491	0.034	<1	1.84	0.012	0.19	0.3	0.06	3.0	0.4	0.08	5	4.0	<0.2
1181693	Soil Pulp	27	0.38	476	0.039	<1	1.41	0.013	0.11	0.3	0.04	1.4	0.2	0.05	4	0.7	<0.2
1181694	Soil Pulp	39	0.50	1196	0.047	<1	2.02	0.010	0.10	0.9	0.04	2.3	0.1	<0.05	6	1.1	<0.2
1181695	Soil Pulp	11	0.41	88	0.084	<1	2.20	0.017	0.13	7.3	0.02	2.2	0.2	<0.05	7	0.5	<0.2
1181696	Soil Pulp	30	0.35	211	0.020	<1	1.75	0.007	0.08	1.3	0.07	1.3	0.1	0.05	5	4.7	<0.2

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Page: 9 of 9 Part 1

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1181697	Soil Pulp	5.6	78.3	13.9	76	1.9	23.3	5.9	174	4.71	317.1	66.0	3.8	45	<0.1	27.8	0.3	41	0.06	0.116	13
1181698	Soil Pulp	2.6	19.6	9.5	25	0.1	5.6	2.9	87	2.15	91.2	5.0	3.0	7	0.1	5.5	0.4	62	0.05	0.034	6
1181699	Soil Pulp	2.8	58.4	12.8	102	0.8	26.6	10.0	348	3.46	214.9	20.5	4.1	15	0.4	4.1	0.4	43	0.09	0.097	13
1181700	Soil Pulp	4.6	21.2	5.7	27	0.4	5.3	1.1	23	0.87	20.8	21.5	<0.1	11	0.3	2.1	0.1	30	0.02	0.066	3
1181753	Soil Pulp	5.4	12.4	13.0	34	3.1	5.9	1.4	26	0.81	8.3	1.2	0.2	43	0.3	2.6	0.2	99	0.03	0.066	9
1181754	Soil Pulp	6.3	11.1	12.5	23	3.7	4.1	0.9	18	0.65	6.2	<0.5	<0.1	37	0.2	2.9	0.2	81	0.02	0.058	8
1181755	Soil Pulp	29.7	18.3	18.0	39	6.3	8.0	1.6	65	2.57	39.5	<0.5	0.2	168	0.3	8.8	0.4	312	0.06	0.538	10
1181756	Soil Pulp	7.3	10.2	13.6	28	0.9	4.3	1.0	25	0.73	9.3	<0.5	0.1	58	0.1	3.4	0.2	114	0.03	0.084	14
1181757	Soil Pulp	9.6	24.0	16.9	130	1.0	23.2	3.0	42	1.88	24.0	4.1	0.6	64	0.4	5.6	0.3	103	0.02	0.077	14
1181758	Soil Pulp	12.9	40.0	20.6	120	1.1	22.2	2.7	83	2.33	37.3	3.5	0.2	84	1.4	6.3	0.4	209	0.05	0.183	10
1181760	Soil Pulp	1.0	8.6	7.7	18	0.4	3.6	0.7	26	0.45	2.5	<0.5	<0.1	16	0.4	0.4	0.1	26	0.02	0.053	4
1181761	Soil Pulp	11.7	56.0	30.1	167	3.9	28.7	4.2	167	4.33	38.5	1.5	0.4	129	0.8	11.4	0.4	146	0.16	0.465	11
1181762	Soil Pulp	10.2	42.8	30.9	139	1.2	24.8	5.4	194	3.45	42.6	1.6	0.8	174	0.4	8.2	0.4	96	0.05	0.174	16
1181763	Soil Pulp	5.0	31.5	13.9	98	2.1	19.9	2.8	83	1.53	14.1	3.7	0.3	50	1.0	2.5	0.2	57	0.04	0.155	8
1181764	Soil Pulp	4.1	10.9	17.3	44	0.9	7.8	1.9	69	1.15	15.3	<0.5	0.2	28	0.2	2.4	0.3	73	0.04	0.042	17
1181765	Soil Pulp	2.3	9.3	16.5	29	0.6	5.0	1.1	37	0.61	9.0	<0.5	0.1	17	0.1	2.1	0.7	36	0.03	0.058	11
1181767	Soil Pulp	7.4	36.2	18.0	117	1.0	22.8	4.5	214	2.13	24.0	4.1	0.4	84	0.7	5.2	0.3	71	0.12	0.146	17
1181768	Soil Pulp	5.4	27.2	17.0	95	1.6	18.3	3.8	106	3.04	36.2	8.8	0.3	24	0.3	3.7	0.4	119	0.03	0.110	14
1181770	Soil Pulp	1.7	12.6	8.4	44	0.5	7.1	1.7	55	0.96	10.0	<0.5	<0.1	19	0.6	1.1	0.2	35	0.07	0.058	5

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 Report Date: September 14, 2011

Page: 9 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003579.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181697	Soil Pulp	27	0.26	166	0.037	<1	1.29	0.006	0.08	7.4	0.05	2.4	0.2	<0.05	4	11.8	<0.2
1181698	Soil Pulp	8	0.13	60	0.148	<1	0.69	0.006	0.07	11.8	0.03	1.3	<0.1	<0.05	10	0.9	<0.2
1181699	Soil Pulp	19	0.34	132	0.058	<1	1.64	0.008	0.08	5.6	0.05	2.3	0.2	<0.05	6	1.8	<0.2
1181700	Soil Pulp	5	0.02	148	0.003	<1	0.23	0.012	0.02	0.3	0.04	0.1	<0.1	<0.05	1	1.6	<0.2
1181753	Soil Pulp	14	0.03	175	0.005	<1	0.50	0.002	0.05	0.3	0.03	0.2	0.3	<0.05	4	1.0	<0.2
1181754	Soil Pulp	14	0.02	255	0.004	<1	0.43	0.003	0.05	0.1	0.02	0.1	0.4	<0.05	3	4.1	<0.2
1181755	Soil Pulp	92	0.09	395	0.010	2	1.11	0.004	0.12	0.4	0.11	0.8	1.9	0.11	8	9.4	<0.2
1181756	Soil Pulp	20	0.04	222	0.006	2	0.65	0.002	0.07	0.2	0.02	0.3	0.5	0.08	5	3.3	<0.2
1181757	Soil Pulp	13	0.04	205	0.008	<1	0.60	0.002	0.07	0.2	0.03	1.0	0.3	0.06	4	4.2	<0.2
1181758	Soil Pulp	41	0.12	467	0.006	3	1.20	0.008	0.16	0.4	0.14	0.6	0.9	0.10	6	3.9	<0.2
1181760	Soil Pulp	8	0.03	145	0.005	<1	0.51	0.018	0.05	<0.1	0.06	0.1	0.1	<0.05	3	<0.5	<0.2
1181761	Soil Pulp	30	0.09	639	0.010	2	0.89	0.006	0.20	0.2	0.22	0.5	0.3	0.28	5	2.2	0.2
1181762	Soil Pulp	18	0.07	648	0.010	<1	0.78	0.005	0.24	0.2	0.09	1.3	0.3	0.34	5	3.6	<0.2
1181763	Soil Pulp	18	0.09	691	0.003	1	1.01	0.009	0.12	0.1	0.35	0.6	0.2	0.11	3	2.1	<0.2
1181764	Soil Pulp	14	0.07	197	0.013	<1	0.71	0.004	0.07	0.2	0.04	0.5	0.2	0.06	5	0.6	<0.2
1181765	Soil Pulp	9	0.04	166	0.005	<1	0.61	0.007	0.06	0.1	0.04	0.2	0.2	<0.05	4	<0.5	<0.2
1181767	Soil Pulp	17	0.13	621	0.004	<1	0.69	0.004	0.15	0.2	0.17	0.6	0.2	0.11	3	1.7	<0.2
1181768	Soil Pulp	21	0.11	212	0.012	<1	1.18	0.003	0.08	0.3	0.05	0.9	0.2	0.08	7	1.3	<0.2
1181770	Soil Pulp	8	0.05	232	0.004	<1	0.40	0.011	0.05	<0.1	0.02	0.1	<0.1	<0.05	3	<0.5	<0.2

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Project: CCJV  
 Report Date: September 14, 2011

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

VAN11003579.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																				
1180281 Soil Pulp	22.8	38.0	20.8	713	0.6	91.3	8.7	2557	21.36	158.2	2.7	2.4	200	5.1	5.7	0.2	52	2.11	0.186	6
REP 1180281 QC	22.1	36.1	20.8	697	0.6	87.0	8.7	2434	20.51	155.0	2.4	2.2	190	5.1	5.7	0.2	50	2.12	0.170	6
1180579 Soil Pulp	12.3	82.3	14.1	572	3.3	77.4	8.0	286	2.37	41.1	16.1	0.9	73	5.4	11.3	0.3	112	0.32	0.183	14
REP 1180579 QC	12.5	78.9	13.6	550	3.3	77.0	8.0	270	2.29	41.4	14.5	1.0	73	4.9	10.9	0.3	115	0.33	0.194	14
1180645 Soil Pulp	16.4	125.4	13.3	1540	1.2	230.8	38.2	1186	2.92	38.6	6.8	5.0	71	27.6	7.3	0.4	80	0.44	0.196	14
REP 1180645 QC	16.3	131.7	13.8	1567	1.2	243.8	40.2	1200	3.07	40.3	8.2	2.7	72	29.2	7.7	0.3	84	0.46	0.207	14
1180650 Soil Pulp	20.1	96.8	18.3	1589	1.6	167.4	8.8	299	2.67	112.0	12.0	1.7	84	15.0	21.1	0.3	138	0.60	0.193	21
REP 1180650 QC	19.7	93.1	18.1	1537	1.6	167.4	8.9	293	2.68	110.9	12.1	1.6	84	14.6	21.2	0.3	136	0.60	0.188	20
1180970 Soil Pulp	7.1	93.6	4.4	135	1.6	27.1	6.1	151	36.16	77.0	9.2	3.4	8	0.4	18.5	0.2	12	0.04	0.024	5
REP 1180970 QC	6.8	89.8	4.4	128	1.5	25.3	5.8	144	35.03	72.4	13.1	3.5	8	0.4	17.2	0.2	12	0.04	0.022	5
1181251 Soil Pulp	9.8	22.3	6.2	54	0.3	10.9	1.5	58	0.84	16.7	6.2	0.4	26	0.2	4.1	0.1	44	0.05	0.064	11
REP 1181251 QC	10.0	22.2	6.2	53	0.3	11.1	1.4	58	0.82	16.7	5.3	0.4	25	0.2	4.0	0.1	45	0.05	0.063	11
1181252 Soil Pulp	4.3	23.3	15.6	50	0.4	11.5	2.5	65	1.67	23.3	3.6	0.2	15	0.4	2.0	0.3	58	0.04	0.103	12
REP 1181252 QC	4.1	22.8	16.0	51	0.5	11.0	2.4	66	1.66	23.3	3.4	0.3	15	0.4	1.9	0.3	57	0.04	0.099	12
1181432 Soil Pulp	4.4	11.3	15.0	68	1.2	11.5	3.3	110	2.34	16.7	12.5	1.9	12	0.3	1.7	0.2	76	0.04	0.050	11
REP 1181432 QC	4.0	11.1	14.3	71	1.2	11.7	3.3	112	2.27	16.2	1.3	1.9	13	0.3	1.7	0.2	76	0.04	0.052	11
1181444 Soil Pulp	3.8	22.0	17.8	208	0.7	28.7	9.3	284	3.42	71.3	4.9	4.8	16	2.0	4.4	0.6	79	0.08	0.049	14
REP 1181444 QC	3.7	22.0	17.7	209	0.7	29.1	9.3	292	3.44	72.7	5.5	4.7	16	1.8	4.5	0.5	75	0.08	0.045	14
1181485 Soil Pulp	3.9	12.1	14.4	87	6.4	10.9	1.5	54	1.41	13.5	1.5	1.9	15	0.8	1.7	0.3	73	0.05	0.136	14
REP 1181485 QC	3.9	13.1	15.1	89	6.8	11.5	1.6	56	1.46	13.9	2.3	1.9	15	0.9	1.8	0.3	76	0.05	0.141	15
1181586 Soil Pulp	2.7	88.3	45.3	66	0.6	16.0	13.0	535	11.42	302.8	48.1	7.8	62	<0.1	30.3	1.1	28	0.06	0.258	15
REP 1181586 QC	2.7	85.3	43.2	67	0.6	15.7	12.7	524	11.38	297.6	41.9	9.0	61	<0.1	29.6	1.0	27	0.07	0.262	14
1181596 Soil Pulp	3.4	216.6	15.8	512	0.6	157.2	32.4	954	2.80	127.2	28.9	2.8	23	2.4	16.8	0.6	42	0.25	0.096	15
REP 1181596 QC	3.3	215.8	16.1	498	0.5	154.6	32.4	936	2.82	125.7	38.2	2.9	22	1.9	16.3	0.6	42	0.24	0.099	14
1181694 Soil Pulp	2.3	81.1	9.4	121	0.4	47.8	15.6	867	2.88	272.3	21.2	1.1	50	0.3	3.6	0.3	51	0.13	0.077	11
REP 1181694 QC	2.2	76.3	9.0	118	0.4	45.9	14.7	819	2.75	261.4	26.6	1.1	46	0.3	3.5	0.2	48	0.13	0.074	10
1181763 Soil Pulp	5.0	31.5	13.9	98	2.1	19.9	2.8	83	1.53	14.1	3.7	0.3	50	1.0	2.5	0.2	57	0.04	0.155	8
REP 1181763 QC	5.1	30.8	14.1	96	2.0	19.4	2.7	83	1.48	12.9	1.8	0.2	47	1.1	2.4	0.2	55	0.04	0.151	8

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Project: CCJV  
 Report Date: September 14, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003579.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
1180281	Soil Pulp	12	0.28	1502	0.007	2	0.39	0.004	0.07	0.6	0.18	1.4	0.3	0.05	1	2.7	<0.2
REP 1180281	QC	11	0.25	1424	0.007	<1	0.39	0.003	0.07	0.5	0.20	1.4	0.2	0.06	1	2.7	<0.2
1180579	Soil Pulp	26	0.26	828	0.010	2	1.15	0.006	0.13	0.6	1.21	1.9	0.6	0.08	3	7.7	<0.2
REP 1180579	QC	25	0.25	821	0.010	3	1.14	0.007	0.13	0.5	1.17	1.7	0.5	0.08	3	7.9	<0.2
1180645	Soil Pulp	19	0.22	907	0.011	2	1.53	0.004	0.07	0.8	0.27	2.5	0.9	<0.05	2	4.9	0.3
REP 1180645	QC	19	0.22	930	0.011	3	1.62	0.004	0.07	0.8	0.28	2.6	0.9	<0.05	2	4.9	0.3
1180650	Soil Pulp	27	0.23	709	0.010	2	0.70	0.005	0.10	0.8	0.62	2.5	0.6	0.06	2	5.9	<0.2
REP 1180650	QC	26	0.23	714	0.012	3	0.69	0.005	0.10	0.9	0.60	2.4	0.6	<0.05	2	5.6	<0.2
1180970	Soil Pulp	30	0.06	72	0.016	<1	1.69	0.003	0.05	1.0	0.04	2.0	<0.1	2.55	1	2.2	<0.2
REP 1180970	QC	30	0.06	71	0.016	<1	1.71	0.003	0.04	0.9	0.04	1.9	<0.1	2.52	1	2.2	<0.2
1181251	Soil Pulp	7	0.05	203	0.003	2	0.30	0.002	0.05	0.1	0.05	0.3	<0.1	<0.05	1	1.2	<0.2
REP 1181251	QC	7	0.05	204	0.005	1	0.30	0.002	0.05	0.2	0.05	0.2	0.1	<0.05	1	1.5	<0.2
1181252	Soil Pulp	16	0.08	245	0.005	2	0.85	0.007	0.07	0.2	0.05	0.2	0.1	<0.05	5	1.2	<0.2
REP 1181252	QC	15	0.08	236	0.004	1	0.82	0.004	0.07	0.1	0.04	0.1	0.1	<0.05	5	1.3	<0.2
1181432	Soil Pulp	15	0.16	251	0.020	<1	1.08	0.004	0.05	0.2	0.07	1.2	0.2	<0.05	5	0.7	<0.2
REP 1181432	QC	16	0.16	242	0.021	<1	1.04	0.004	0.05	0.2	0.06	1.1	0.2	<0.05	6	1.1	<0.2
1181444	Soil Pulp	28	0.45	373	0.078	2	1.69	0.006	0.15	3.1	0.06	2.8	0.2	<0.05	7	1.0	<0.2
REP 1181444	QC	31	0.45	379	0.074	<1	1.72	0.006	0.15	2.7	0.05	2.8	0.3	<0.05	8	1.0	<0.2
1181485	Soil Pulp	15	0.08	227	0.020	<1	0.85	0.003	0.05	0.2	0.08	0.9	0.2	<0.05	5	1.8	<0.2
REP 1181485	QC	16	0.09	237	0.021	<1	0.86	0.003	0.06	0.2	0.07	1.0	0.2	<0.05	5	1.4	<0.2
1181586	Soil Pulp	27	0.59	98	0.023	<1	3.02	0.023	0.07	0.4	0.10	3.1	0.2	0.28	5	4.0	<0.2
REP 1181586	QC	26	0.58	97	0.020	<1	2.97	0.022	0.07	0.4	0.09	3.0	0.2	0.27	5	3.8	<0.2
1181596	Soil Pulp	28	0.40	679	0.030	<1	1.64	0.010	0.09	1.7	0.06	2.2	0.1	0.05	3	1.6	<0.2
REP 1181596	QC	28	0.40	684	0.030	<1	1.64	0.013	0.09	1.8	0.07	2.5	0.2	<0.05	3	1.0	<0.2
1181694	Soil Pulp	39	0.50	1196	0.047	<1	2.02	0.010	0.10	0.9	0.04	2.3	0.1	<0.05	6	1.1	<0.2
REP 1181694	QC	37	0.48	1160	0.045	<1	1.95	0.010	0.09	0.9	0.05	2.2	0.1	<0.05	6	1.0	<0.2
1181763	Soil Pulp	18	0.09	691	0.003	1	1.01	0.009	0.12	0.1	0.35	0.6	0.2	0.11	3	2.1	<0.2
REP 1181763	QC	18	0.09	671	0.003	1	1.01	0.009	0.12	0.2	0.33	0.6	0.2	0.11	3	1.6	<0.2

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Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Reference Materials																					
STD DS8	Standard	14.2	117.4	119.3	320	1.8	39.7	8.2	640	2.51	26.4	106.5	7.1	71	2.4	5.6	6.7	47	0.72	0.080	16
STD DS8	Standard	14.3	119.3	129.1	315	1.8	38.7	7.6	607	2.49	25.7	114.2	7.3	71	2.6	5.9	6.9	44	0.70	0.080	16
STD DS8	Standard	13.3	116.5	124.2	314	1.8	39.7	7.6	605	2.49	24.3	119.9	7.2	69	2.3	5.8	6.7	43	0.68	0.077	16
STD DS8	Standard	14.1	107.7	128.8	308	1.8	39.2	8.1	657	2.55	26.1	106.1	7.0	63	2.3	5.5	6.7	44	0.70	0.081	15
STD DS8	Standard	14.9	122.7	129.0	341	1.8	41.2	7.7	653	2.52	26.1	143.7	7.6	75	2.6	6.0	7.2	47	0.73	0.087	16
STD DS8	Standard	13.7	116.1	115.3	311	1.8	39.1	8.2	605	2.46	24.0	104.8	6.5	68	2.4	5.4	6.3	45	0.71	0.080	15
STD DS8	Standard	13.8	117.9	120.6	330	1.9	39.3	8.2	653	2.61	27.2	120.1	6.9	73	2.4	6.1	6.7	46	0.72	0.082	16
STD DS8	Standard	12.6	107.6	117.4	302	1.7	37.4	7.6	600	2.40	24.5	117.8	6.2	60	2.5	5.6	6.1	42	0.65	0.076	13
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Client: **Carlin Gold Corporation**  
 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: September 14, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003579.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Reference Materials																	
STD DS8	Standard	125	0.63	301	0.133	1	0.95	0.092	0.42	3.2	0.19	2.5	5.5	0.17	5	5.2	4.9
STD DS8	Standard	117	0.59	284	0.127	2	0.93	0.092	0.44	3.0	0.20	2.2	5.6	0.16	5	5.7	4.9
STD DS8	Standard	118	0.60	285	0.129	1	0.91	0.097	0.40	3.0	0.20	2.3	5.5	0.16	5	5.0	5.0
STD DS8	Standard	123	0.62	288	0.112	4	0.95	0.095	0.42	2.8	0.19	2.2	5.6	0.19	5	5.2	5.0
STD DS8	Standard	124	0.65	295	0.124	3	0.95	0.100	0.48	3.0	0.20	2.3	5.7	0.17	5	5.2	5.4
STD DS8	Standard	121	0.63	286	0.130	2	0.95	0.099	0.43	2.8	0.20	2.5	5.4	0.17	5	5.2	4.9
STD DS8	Standard	122	0.65	306	0.128	3	0.97	0.098	0.44	3.1	0.22	2.4	5.6	0.18	5	5.4	5.2
STD DS8	Standard	124	0.57	265	0.113	2	0.85	0.094	0.40	3.1	0.18	2.7	5.3	<0.05	4	5.3	4.6
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Confirmation Email List  
Receiving Lab: Canada-Vancouver  
Received: July 29, 2011  
Report Date: August 25, 2011  
Page: 1 of 8

## CERTIFICATE OF ANALYSIS

VAN11003580.1

### CLIENT JOB INFORMATION

Project: CCJV  
Shipment ID:  
P.O. Number: X-01  
Number of Samples: 194

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	194	Sorting of samples on arrival and labeling			VAN
1DX2	194	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

### 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: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Report Email List



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Project: CCJV  
 Report Date: August 25, 2011

Page: 2 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003580.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1181771	Soil Pulp	3.2	33.4	21.6	90	0.2	14.4	2.8	76	1.77	25.5	5.7	0.2	23	0.3	3.5	0.5	44	0.05	0.060	12
1181772	Soil Pulp	1.1	16.9	6.6	25	1.3	4.8	1.0	26	0.59	3.4	7.8	<0.1	11	0.5	0.5	0.2	22	0.04	0.084	10
1181773	Soil Pulp	4.1	55.0	14.9	111	0.2	18.4	4.7	76	1.75	15.1	2.2	0.4	25	0.5	2.8	0.3	42	0.02	0.072	14
1181775	Soil Pulp	1.9	11.9	6.4	35	0.1	5.9	1.4	35	0.78	7.4	1.0	0.1	10	0.4	1.3	0.2	38	0.01	0.051	13
1181776	Soil Pulp	4.3	27.7	10.8	136	0.4	17.0	5.7	934	1.69	19.2	3.6	0.3	28	2.0	2.8	0.2	40	0.14	0.161	9
1181777	Soil Pulp	2.7	57.1	14.3	70	0.5	15.4	2.2	39	2.68	60.4	12.2	1.1	21	<0.1	4.8	0.2	25	0.01	0.084	9
1181778	Soil Pulp	0.7	10.6	3.1	17	1.4	3.6	1.2	22	0.68	5.5	2.5	<0.1	5	<0.1	0.7	<0.1	14	0.02	0.027	2
1181779	Soil Pulp	3.2	145.4	33.7	144	1.8	32.6	7.3	271	6.02	75.2	27.6	4.1	30	<0.1	5.6	0.5	45	0.02	0.127	15
1181780	Soil Pulp	6.1	223.3	36.9	343	1.0	84.7	28.6	951	8.61	21.1	35.4	3.2	16	0.3	3.3	0.4	34	0.04	0.100	10
1181781	Soil Pulp	4.7	61.4	27.3	77	1.0	16.5	3.9	102	8.59	40.0	16.7	4.4	16	0.1	5.2	1.1	83	0.03	0.092	15
1181782	Soil Pulp	2.7	83.7	15.6	95	0.8	18.3	3.5	68	4.61	22.3	10.2	2.0	13	0.1	4.8	0.5	57	0.01	0.071	18
1181783	Soil Pulp	3.8	34.6	14.7	62	0.3	12.4	2.6	66	2.87	33.3	4.5	0.5	14	<0.1	4.3	0.6	86	0.02	0.070	17
1181784	Soil Pulp	2.4	47.7	12.8	55	0.3	12.8	2.4	77	3.22	22.5	8.1	0.5	17	<0.1	3.4	0.4	46	0.01	0.067	13
1181785	Soil Pulp	2.4	67.3	14.8	52	0.3	9.1	2.0	32	3.29	19.7	24.7	1.7	18	<0.1	2.6	0.5	64	<0.01	0.073	22
1181786	Soil Pulp	4.0	70.1	21.1	78	0.6	14.1	2.7	51	4.34	35.0	22.4	1.1	20	<0.1	6.6	0.7	62	0.02	0.090	19
1181787	Soil Pulp	2.8	162.7	40.7	198	0.8	43.4	5.9	85	7.09	27.6	16.7	6.8	62	<0.1	8.2	0.8	37	<0.01	0.095	24
1181788	Soil Pulp	3.5	120.6	35.8	120	1.2	26.2	4.3	104	5.33	34.6	27.9	5.0	30	<0.1	6.8	0.7	36	0.03	0.107	22
1181789	Soil Pulp	3.3	151.9	50.2	138	1.3	28.5	4.0	82	7.45	46.8	13.1	8.7	42	0.1	11.3	1.1	41	0.01	0.120	26
1181790	Soil Pulp	4.4	147.1	45.4	139	1.2	29.1	4.3	84	6.75	40.5	19.1	7.1	33	<0.1	11.5	0.9	40	0.01	0.110	23
1181791	Soil Pulp	3.6	128.1	59.1	120	0.9	21.2	2.8	49	6.53	48.1	3.7	8.6	34	<0.1	11.2	0.8	31	<0.01	0.097	24
1181792	Soil Pulp	20.6	151.6	52.2	370	5.1	90.9	15.9	407	8.64	56.7	16.0	4.6	63	0.5	19.5	0.5	99	0.10	0.328	20
1181793	Soil Pulp	73.7	94.9	77.8	413	6.8	87.0	8.1	244	8.30	189.3	14.4	6.3	148	1.7	60.7	0.5	191	0.15	0.388	21
1181794	Soil Pulp	4.5	84.7	32.6	93	1.7	22.5	2.6	49	3.96	54.2	18.3	4.8	29	0.2	21.2	0.4	40	0.01	0.123	25
1181795	Soil Pulp	11.0	288.8	61.7	102	1.2	24.2	3.9	187	14.81	100.7	25.4	11.6	37	0.1	58.3	0.8	70	<0.01	0.274	16
1181796	Soil Pulp	8.9	114.1	48.3	132	1.1	26.4	6.1	122	6.23	65.6	7.9	8.1	41	0.2	18.8	0.8	47	0.05	0.155	28
1181797	Soil Pulp	5.2	284.1	46.1	235	2.3	49.9	6.5	115	12.63	131.2	26.5	10.0	36	0.1	23.3	1.3	60	<0.01	0.262	23
1181798	Soil Pulp	0.4	8.5	4.2	18	0.2	4.9	1.5	75	0.52	6.6	4.1	<0.1	22	0.2	1.0	<0.1	11	0.38	0.041	2
1181799	Soil Pulp	7.0	147.4	27.3	357	1.7	110.4	17.4	648	3.43	114.4	27.3	1.9	56	2.9	28.3	0.6	30	0.95	0.100	11
1181800	Soil Pulp	10.7	429.4	35.5	907	2.0	273.6	51.0	1836	7.53	179.0	67.0	3.8	52	8.7	22.4	0.8	41	0.23	0.125	10

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 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: August 25, 2011

Page: 2 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11003580.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181771	Soil Pulp	11	0.08	230	0.010	1	0.64	0.004	0.06	0.2	0.02	0.4	0.1	<0.05	4	1.3	<0.2
1181772	Soil Pulp	8	0.03	161	0.003	2	0.54	0.008	0.04	0.1	0.03	0.1	<0.1	<0.05	3	<0.5	<0.2
1181773	Soil Pulp	9	0.06	182	0.005	2	0.58	0.005	0.08	0.2	0.02	0.3	0.2	<0.05	4	0.8	<0.2
1181775	Soil Pulp	10	0.04	151	0.006	2	0.49	0.006	0.04	<0.1	0.02	0.1	0.1	<0.05	4	<0.5	<0.2
1181776	Soil Pulp	13	0.17	337	0.004	2	0.59	0.005	0.11	0.4	0.05	0.2	0.2	0.09	3	<0.5	<0.2
1181777	Soil Pulp	33	0.11	158	0.004	3	0.69	0.013	0.05	<0.1	0.06	1.1	<0.1	0.09	2	2.8	<0.2
1181778	Soil Pulp	8	0.02	36	0.011	1	0.34	0.020	0.02	<0.1	0.03	0.2	<0.1	<0.05	2	<0.5	<0.2
1181779	Soil Pulp	72	0.30	351	0.004	2	1.65	0.007	0.09	0.1	0.12	3.8	0.2	0.09	5	4.4	<0.2
1181780	Soil Pulp	47	0.35	286	0.009	2	1.69	0.007	0.08	0.2	0.13	3.2	0.1	<0.05	4	2.5	<0.2
1181781	Soil Pulp	82	0.12	146	0.017	1	1.13	0.004	0.05	0.2	0.08	2.0	0.1	0.05	13	3.1	<0.2
1181782	Soil Pulp	39	0.14	211	0.007	2	0.97	0.005	0.06	0.2	0.05	1.2	<0.1	<0.05	6	2.6	<0.2
1181783	Soil Pulp	24	0.05	195	0.014	2	0.67	0.004	0.05	0.3	0.04	0.7	0.1	<0.05	8	1.6	<0.2
1181784	Soil Pulp	30	0.10	143	0.008	2	0.78	0.007	0.04	0.2	0.04	0.8	<0.1	<0.05	4	1.1	<0.2
1181785	Soil Pulp	20	0.03	207	0.004	2	0.66	0.004	0.04	0.1	0.04	0.8	<0.1	<0.05	8	1.8	<0.2
1181786	Soil Pulp	35	0.06	171	0.007	2	0.82	0.003	0.05	0.2	0.05	1.0	<0.1	<0.05	6	2.6	<0.2
1181787	Soil Pulp	67	0.38	349	0.002	3	1.65	0.005	0.08	<0.1	0.04	3.7	<0.1	<0.05	5	5.5	<0.2
1181788	Soil Pulp	48	0.32	490	0.005	4	1.37	0.010	0.09	<0.1	0.06	3.1	0.1	0.06	4	4.7	<0.2
1181789	Soil Pulp	65	0.36	472	0.003	2	1.49	0.007	0.09	<0.1	0.07	4.7	0.1	0.09	5	9.4	0.2
1181790	Soil Pulp	60	0.34	381	0.003	3	1.34	0.007	0.09	<0.1	0.05	4.5	0.2	0.09	4	7.8	<0.2
1181791	Soil Pulp	47	0.29	700	0.002	2	1.15	0.004	0.08	<0.1	0.08	3.4	0.1	0.09	4	7.4	0.2
1181792	Soil Pulp	82	0.27	769	0.012	1	2.13	0.010	0.15	0.2	0.59	3.9	0.6	0.22	5	11.4	<0.2
1181793	Soil Pulp	40	0.22	233	0.015	<1	1.72	0.010	0.31	0.5	1.53	3.8	4.4	0.46	4	24.0	0.4
1181794	Soil Pulp	47	0.23	351	0.002	2	0.91	0.002	0.06	<0.1	0.09	1.7	0.2	0.06	3	5.0	<0.2
1181795	Soil Pulp	92	0.34	392	0.006	6	1.42	0.003	0.07	0.2	0.06	4.8	0.4	0.30	5	10.8	0.2
1181796	Soil Pulp	52	0.32	287	0.008	<1	1.06	0.005	0.06	0.2	0.11	2.2	0.3	0.06	3	9.3	<0.2
1181797	Soil Pulp	100	0.63	200	0.008	<1	2.08	0.013	0.05	<0.1	0.11	4.0	0.1	0.16	7	19.2	0.2
1181798	Soil Pulp	2	0.04	695	0.014	<1	0.38	0.031	0.02	<0.1	0.02	0.3	<0.1	<0.05	1	<0.5	<0.2
1181799	Soil Pulp	15	0.22	4056	0.005	1	0.70	0.010	0.06	0.5	0.10	1.6	0.1	0.06	1	4.4	<0.2
1181800	Soil Pulp	21	0.26	1469	0.011	<1	1.41	0.013	0.05	0.5	0.11	1.9	0.1	0.07	2	6.2	<0.2

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Project: CCJV  
 Report Date: August 25, 2011

Page: 3 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11003580.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1182160	Soil Pulp	10	0.06	63	0.009	<1	0.40	0.003	0.02	0.7	0.02	0.3	0.1	<0.05	6	0.8	<0.2
1182162	Soil Pulp	19	0.32	315	0.026	2	0.92	0.005	0.05	0.8	0.11	1.8	0.3	<0.05	3	1.8	<0.2
1182163	Soil Pulp	20	0.25	430	0.007	2	1.01	0.006	0.07	0.4	0.24	1.1	0.2	0.06	4	3.1	<0.2
1182363	Soil Pulp	17	0.16	64	0.025	2	1.11	0.006	0.04	0.3	0.05	0.7	0.2	0.06	7	1.4	<0.2
1182364	Soil Pulp	16	0.22	67	0.005	1	0.79	0.009	0.04	0.2	0.05	0.3	<0.1	0.08	4	1.1	<0.2
1182365	Soil Pulp	20	0.12	76	0.008	<1	0.89	0.007	0.04	0.2	0.04	0.3	0.1	<0.05	6	1.1	<0.2
1182366	Soil Pulp	15	0.18	69	0.025	<1	1.02	0.008	0.03	0.3	0.03	1.0	0.1	<0.05	6	1.8	<0.2
1182367	Soil Pulp	23	0.19	64	0.020	<1	1.47	0.006	0.04	0.4	0.11	1.3	0.2	0.08	8	1.8	<0.2
1182368	Soil Pulp	27	0.34	79	0.031	<1	1.42	0.007	0.04	0.3	0.03	1.4	0.1	0.07	7	1.7	<0.2
1182369	Soil Pulp	61	0.92	1016	0.042	<1	2.65	0.008	0.19	0.2	0.03	4.3	0.2	0.07	7	1.6	<0.2
1182370	Soil Pulp	15	0.22	459	0.012	1	1.28	0.016	0.04	0.2	0.04	1.0	0.1	0.08	4	1.2	<0.2
1182371	Soil Pulp	26	0.42	813	0.007	<1	1.26	0.004	0.07	0.1	0.04	1.6	0.1	<0.05	3	1.7	<0.2
1182372	Soil Pulp	20	0.11	277	0.014	<1	0.85	0.003	0.05	0.2	0.03	0.4	0.1	0.06	6	0.9	<0.2
1182373	Soil Pulp	41	0.29	253	0.013	<1	1.14	0.004	0.04	0.2	0.05	1.2	0.1	0.10	5	1.5	<0.2
1182374	Soil Pulp	40	0.45	436	0.010	1	1.34	0.016	0.10	0.3	0.08	2.4	0.1	0.16	4	5.0	<0.2
1182375	Soil Pulp	25	0.29	175	0.005	<1	0.97	0.008	0.06	0.3	0.04	0.7	<0.1	0.14	4	1.7	<0.2
1182376	Soil Pulp	23	0.13	73	0.018	<1	0.87	0.004	0.04	0.2	0.03	0.7	<0.1	0.08	7	1.2	<0.2
1182377	Soil Pulp	23	0.19	90	0.010	<1	1.00	0.003	0.04	0.2	0.02	1.3	0.1	<0.05	9	1.4	<0.2
1182378	Soil Pulp	19	0.10	62	0.017	<1	0.75	0.005	0.04	0.2	0.03	0.8	0.1	0.08	6	1.1	<0.2

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Project: CCJV  
 Report Date: August 25, 2011

Page: 4 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003580.1

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1182379	Soil Pulp	2.0	41.1	16.5	73	0.2	20.2	28.8	1146	3.76	64.4	15.6	5.0	18	0.2	5.5	0.5	30	0.05	0.103	15
1182380	Soil Pulp	2.0	52.0	16.0	67	0.1	18.5	6.4	281	4.09	73.0	17.3	7.2	14	<0.1	4.9	0.5	35	0.04	0.080	16
1182381	Soil Pulp	2.3	42.3	16.3	53	0.1	12.5	3.4	172	3.53	69.7	7.8	1.2	13	<0.1	5.5	0.4	37	0.04	0.086	14
1182382	Soil Pulp	1.8	28.8	13.0	68	0.3	19.7	4.6	175	1.89	64.3	8.1	0.9	18	0.1	4.7	0.5	32	0.14	0.053	15
1182383	Soil Pulp	2.1	32.4	13.4	69	0.5	19.8	6.5	382	2.60	40.3	5.4	1.3	17	0.2	2.5	0.5	33	0.12	0.089	14
1182385	Soil Pulp	1.8	39.5	9.1	61	<0.1	16.2	5.9	241	2.84	36.7	9.0	5.9	18	<0.1	2.8	0.3	26	0.15	0.063	18
1182386	Soil Pulp	1.6	35.8	12.0	110	0.3	45.1	11.5	638	2.92	60.0	7.2	2.3	77	0.5	1.9	0.8	28	0.76	0.099	17
1182387	Soil Pulp	2.6	62.7	14.8	233	0.5	69.6	25.6	668	3.11	125.5	18.2	2.8	38	0.8	7.2	0.9	34	0.33	0.090	15
1182388	Soil Pulp	2.8	109.1	15.4	260	0.5	85.0	23.5	462	2.84	156.9	22.2	3.5	28	0.7	11.7	1.2	37	0.20	0.077	16
1182389	Soil Pulp	3.3	45.5	13.8	146	0.9	36.9	7.3	217	2.72	43.3	10.6	2.3	34	0.3	4.0	0.3	43	0.22	0.102	14
1183003	Soil Pulp	18.4	48.7	12.3	176	2.1	34.7	3.2	85	2.05	54.0	11.0	2.1	58	1.3	10.0	0.3	117	0.22	0.184	15
1183004	Soil Pulp	0.8	35.8	7.2	40	1.5	12.7	1.0	18	0.63	9.0	12.7	0.2	14	1.1	1.6	0.1	22	0.06	0.090	6
1183005	Soil Pulp	9.5	59.5	10.9	453	2.0	63.1	7.3	402	1.69	32.0	9.4	1.0	80	4.5	8.5	0.2	103	0.48	0.140	12
1183006	Soil Pulp	2.3	37.9	7.9	139	2.7	34.5	1.6	43	0.74	7.1	6.7	0.2	28	2.8	1.5	0.2	34	0.11	0.095	7
1183010	Soil Pulp	7.6	21.5	12.6	120	0.3	19.0	3.2	98	2.39	37.3	2.3	1.5	18	0.5	4.2	0.3	132	0.02	0.068	13
1183011	Soil Pulp	5.8	25.9	42.3	48	0.9	7.0	1.5	25	1.59	15.9	1.9	0.8	175	0.1	2.2	0.4	44	0.02	0.090	22
1183012	Soil Pulp	4.3	19.9	8.7	92	0.3	17.1	2.7	51	1.20	10.1	1.3	0.5	19	0.2	2.0	0.2	44	0.02	0.035	15
1183013	Soil Pulp	5.0	17.6	9.7	47	0.2	10.4	2.5	38	1.36	11.3	<0.5	3.6	14	0.2	1.1	0.2	69	0.01	0.022	24
1183014	Soil Pulp	1.7	16.3	10.7	50	0.5	12.2	6.1	897	1.79	8.3	<0.5	0.2	14	0.5	0.9	0.3	31	0.04	0.070	8
1183015	Soil Pulp	10.3	39.2	18.2	169	2.5	27.7	2.4	31	2.17	18.6	0.9	0.1	84	1.9	2.9	0.3	174	0.03	0.077	9
1183016	Soil Pulp	12.0	23.2	11.1	126	1.4	16.6	2.0	38	1.28	41.7	<0.5	0.1	29	1.1	3.7	0.2	162	0.03	0.056	14
1183017	Soil Pulp	16.5	111.8	28.5	880	0.7	115.0	11.6	156	4.55	44.1	13.2	4.2	24	2.7	10.3	0.3	27	0.03	0.063	18
1183019	Soil Pulp	4.5	17.4	11.5	116	2.2	18.5	3.0	63	1.70	15.1	2.4	0.4	16	0.7	1.9	0.2	65	0.03	0.122	12
1183020	Soil Pulp	10.1	16.3	9.1	84	0.9	14.5	1.5	26	0.74	11.7	<0.5	0.2	22	2.1	2.3	0.2	140	0.04	0.034	14
1183021	Soil Pulp	1.4	8.7	4.2	59	0.4	8.6	1.6	22	0.65	4.5	<0.5	0.1	6	0.2	0.6	<0.1	23	0.02	0.035	8
1183022	Soil Pulp	8.3	27.8	13.1	210	0.3	47.5	9.1	123	2.85	23.9	1.0	0.9	5	0.7	4.9	0.2	28	0.01	0.046	15
1183023	Soil Pulp	9.1	48.9	15.7	300	0.7	49.5	6.4	96	3.47	36.1	4.8	4.0	15	1.0	4.5	0.2	95	0.04	0.177	15
1183024	Soil Pulp	5.1	22.4	8.8	38	1.0	7.4	1.6	22	0.78	8.3	0.5	0.1	18	0.5	3.3	0.2	84	0.02	0.038	12
1183025	Soil Pulp	9.6	22.2	12.0	43	1.6	9.7	1.5	39	1.84	35.5	4.8	0.3	29	0.3	7.5	0.2	95	0.02	0.093	11
1183026	Soil Pulp	5.6	13.6	10.1	25	0.7	5.3	1.1	20	0.65	10.5	2.4	0.1	26	0.3	2.2	0.2	56	0.02	0.066	7

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Project: CCJV  
 Report Date: August 25, 2011

Page: 4 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11003580.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1182379	Soil Pulp	28	0.57	236	0.030	<1	2.03	0.005	0.10	1.4	0.04	2.2	0.2	<0.05	5	1.3	<0.2
1182380	Soil Pulp	29	0.59	196	0.027	<1	1.81	0.006	0.11	2.2	0.03	2.3	0.2	<0.05	5	1.3	<0.2
1182381	Soil Pulp	23	0.38	217	0.017	<1	1.16	0.005	0.08	1.4	0.03	1.1	0.1	0.06	5	1.1	<0.2
1182382	Soil Pulp	22	0.32	172	0.015	<1	1.34	0.007	0.05	1.0	0.04	1.3	0.1	<0.05	5	0.7	<0.2
1182383	Soil Pulp	23	0.42	207	0.016	<1	1.57	0.005	0.06	0.9	0.09	1.6	0.2	<0.05	4	1.5	<0.2
1182385	Soil Pulp	23	0.60	160	0.039	<1	1.36	0.005	0.07	0.8	0.03	2.1	0.1	<0.05	4	1.0	<0.2
1182386	Soil Pulp	23	0.55	380	0.027	<1	1.95	0.014	0.06	1.6	0.07	2.2	0.2	0.13	5	2.9	<0.2
1182387	Soil Pulp	28	0.54	456	0.027	<1	1.75	0.008	0.08	1.7	0.06	2.3	0.2	<0.05	4	2.2	<0.2
1182388	Soil Pulp	26	0.44	577	0.028	<1	1.62	0.009	0.08	2.1	0.06	2.6	0.2	<0.05	4	1.8	<0.2
1182389	Soil Pulp	24	0.37	468	0.009	<1	1.29	0.005	0.07	0.6	0.22	2.3	0.2	<0.05	3	2.5	<0.2
1183003	Soil Pulp	23	0.19	872	0.010	<1	0.82	0.003	0.09	0.6	0.55	1.6	0.5	<0.05	3	4.3	<0.2
1183004	Soil Pulp	9	0.04	272	0.005	<1	0.45	0.009	0.03	0.1	0.52	0.6	0.2	<0.05	2	3.6	<0.2
1183005	Soil Pulp	20	0.17	914	0.006	2	0.79	0.004	0.09	0.5	0.96	1.7	0.3	0.12	2	3.8	<0.2
1183006	Soil Pulp	13	0.08	466	0.005	1	0.55	0.009	0.06	0.1	0.56	0.7	0.2	0.09	2	1.8	<0.2
1183010	Soil Pulp	19	0.12	270	0.014	<1	0.82	0.002	0.06	0.6	0.03	1.3	0.3	0.06	5	1.9	<0.2
1183011	Soil Pulp	10	0.03	586	0.007	1	0.65	0.003	0.12	<0.1	0.04	0.4	0.2	0.16	3	1.1	0.4
1183012	Soil Pulp	7	0.03	248	0.007	1	0.52	0.006	0.06	<0.1	0.02	0.4	0.1	0.06	3	1.9	<0.2
1183013	Soil Pulp	8	0.04	400	0.008	<1	0.73	0.003	0.04	0.1	0.01	0.9	0.1	<0.05	4	0.6	<0.2
1183014	Soil Pulp	8	0.04	249	0.006	<1	0.52	0.010	0.07	<0.1	0.08	0.4	<0.1	<0.05	3	<0.5	<0.2
1183015	Soil Pulp	16	0.02	225	0.009	<1	0.40	0.002	0.05	0.2	0.03	0.2	0.1	0.07	5	2.2	<0.2
1183016	Soil Pulp	22	0.04	547	0.008	<1	0.55	0.005	0.07	0.2	0.05	0.2	0.4	0.07	4	4.9	<0.2
1183017	Soil Pulp	10	0.11	911	0.003	<1	1.33	0.004	0.10	<0.1	0.06	3.8	0.2	<0.05	2	7.2	<0.2
1183019	Soil Pulp	13	0.06	355	0.008	1	0.69	0.003	0.06	0.1	0.06	0.6	0.2	<0.05	4	1.4	<0.2
1183020	Soil Pulp	15	0.04	1490	0.010	<1	0.46	0.004	0.05	0.1	0.03	0.2	0.5	<0.05	4	2.2	<0.2
1183021	Soil Pulp	5	0.03	172	0.004	1	0.41	0.009	0.04	<0.1	0.02	0.1	<0.1	<0.05	3	<0.5	<0.2
1183022	Soil Pulp	5	0.03	301	0.005	<1	0.43	0.006	0.08	<0.1	0.03	0.8	0.1	0.06	2	<0.5	<0.2
1183023	Soil Pulp	21	0.18	444	0.005	1	1.13	0.002	0.09	0.6	0.15	2.0	0.2	<0.05	3	1.2	<0.2
1183024	Soil Pulp	15	0.01	367	0.005	<1	0.42	0.006	0.03	0.1	0.07	0.2	0.1	<0.05	3	1.2	<0.2
1183025	Soil Pulp	14	0.03	1071	0.006	2	0.56	0.006	0.06	0.2	0.39	0.5	0.3	0.11	3	4.3	<0.2
1183026	Soil Pulp	11	0.03	452	0.003	<1	0.52	0.007	0.05	0.1	0.09	0.3	0.3	0.07	4	1.8	<0.2

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Project: CCJV  
 Report Date: August 25, 2011

Page: 5 of 8 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11003580.1**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1183027	Soil Pulp	11.0	21.1	16.1	58	1.9	10.3	1.5	27	1.60	19.4	1.2	<0.1	48	0.4	6.3	0.3	170	0.03	0.192	11
1183028	Soil Pulp	13.3	21.6	13.5	34	1.4	5.4	1.1	19	0.66	9.5	1.6	0.1	50	0.7	5.2	0.2	172	0.02	0.041	12
1183029	Soil Pulp	27.2	17.3	19.6	60	4.4	11.6	2.0	38	1.97	30.2	2.7	0.3	23	0.8	6.9	0.3	304	0.02	0.150	14
1183030	Soil Pulp	4.8	15.5	7.2	25	1.5	5.3	0.9	15	0.52	3.4	0.5	<0.1	23	0.9	1.6	0.1	62	0.02	0.081	6
1183031	Soil Pulp	75.8	140.5	16.4	126	5.1	20.0	1.6	93	3.55	102.7	13.7	1.1	149	1.7	40.6	0.2	419	0.22	0.485	9
1183032	Soil Pulp	0.9	81.9	2.5	8	1.5	2.8	1.1	10	0.49	6.1	0.7	<0.1	6	0.9	1.1	<0.1	18	0.03	0.091	4
1183033	Soil Pulp	16.7	39.8	8.6	58	8.5	14.9	1.0	17	1.14	9.4	2.6	0.2	27	0.9	5.7	0.1	353	0.03	0.138	7
1183034	Soil Pulp	2.2	10.2	2.9	15	3.9	2.6	0.6	12	0.35	3.5	<0.5	<0.1	8	0.2	0.7	<0.1	34	0.02	0.051	2
1183035	Soil Pulp	32.2	130.7	14.7	88	30.3	26.5	2.8	84	3.24	113.8	12.2	3.2	60	1.2	16.1	0.2	1217	0.11	1.111	15
1183036	Soil Pulp	8.5	61.1	3.9	26	4.1	11.1	0.6	14	0.41	3.4	<0.5	<0.1	48	1.5	3.0	<0.1	104	0.10	0.145	3
1183037	Soil Pulp	67.7	96.2	20.7	50	10.2	8.9	0.6	27	2.98	39.1	1.7	1.4	124	2.2	22.6	0.3	269	0.07	0.803	12
1183038	Soil Pulp	25.3	65.3	15.2	356	0.9	61.4	11.0	360	3.21	52.2	3.4	0.7	57	2.8	17.6	0.2	109	0.20	0.217	15
1183041	Soil Pulp	12.5	28.9	15.3	95	2.1	18.3	3.2	148	2.12	36.3	3.0	0.2	27	0.5	4.1	0.2	177	0.04	0.147	11
1183042	Soil Pulp	30.7	61.0	16.4	197	3.4	32.6	3.7	91	3.08	83.0	7.0	1.2	115	1.1	16.6	0.3	1181	0.11	0.471	13
1183043	Soil Pulp	17.1	33.1	14.7	208	5.0	35.4	7.4	180	2.92	58.0	10.4	4.1	71	1.2	11.8	0.2	165	0.22	0.304	15
1183044	Soil Pulp	21.7	23.5	14.2	70	1.1	13.7	2.2	50	1.59	33.1	1.5	0.3	42	0.6	11.0	0.2	225	0.04	0.159	14
1183045	Soil Pulp	0.6	6.4	0.6	4	0.7	1.0	0.5	8	0.19	0.6	<0.5	<0.1	6	0.1	1.0	<0.1	8	0.03	0.036	<1
1183046	Soil Pulp	18.2	25.9	11.1	36	4.6	5.5	1.0	18	0.80	14.1	2.9	0.2	83	0.9	4.9	0.2	95	0.03	0.149	7
1183047	Soil Pulp	5.1	21.1	6.2	22	2.4	5.0	1.1	18	0.82	10.4	1.7	0.1	17	0.3	3.4	0.2	41	0.02	0.160	4
1183101	Soil Pulp	10.5	24.3	15.0	580	0.5	42.7	3.1	84	1.97	40.6	4.9	1.6	48	3.5	7.7	0.3	120	0.18	0.132	10
1183102	Soil Pulp	11.4	29.1	15.6	407	0.2	53.7	4.0	70	2.45	266.8	5.8	2.2	17	1.1	6.0	0.3	56	0.01	0.079	14
1183103	Soil Pulp	8.8	52.4	17.9	475	1.7	73.9	7.0	401	2.16	43.4	6.9	1.9	58	7.0	4.8	0.4	80	0.42	0.131	9
1183104	Soil Pulp	13.0	26.0	23.2	288	0.6	38.8	5.3	167	3.46	53.3	5.1	3.4	24	0.9	8.1	0.3	124	0.06	0.170	13
1183105	Soil Pulp	12.5	39.5	15.1	338	0.3	48.6	5.0	125	2.10	59.3	7.6	0.2	37	1.7	7.5	0.3	79	0.17	0.137	14
1183106	Soil Pulp	16.1	25.8	22.3	207	0.4	37.0	3.2	74	2.22	60.5	5.3	1.6	30	0.9	10.5	0.3	151	0.04	0.166	11
1183107	Soil Pulp	21.9	35.3	28.2	253	1.2	48.7	4.7	79	2.08	33.9	2.7	0.8	38	0.6	9.5	0.3	129	0.02	0.102	12
1183108	Soil Pulp	7.3	17.8	18.8	237	1.9	34.5	2.4	64	1.43	25.8	3.9	0.6	32	1.2	5.5	0.4	61	0.05	0.105	14
1183109	Soil Pulp	7.2	23.6	20.6	145	0.5	26.9	4.0	95	2.37	38.0	3.6	2.4	25	0.4	5.0	0.3	75	0.03	0.122	13
1183151	Soil Pulp	27.1	33.8	24.8	256	3.2	54.9	2.5	37	1.69	50.6	2.4	0.1	44	1.4	20.7	0.4	201	0.02	0.064	19
1183152	Soil Pulp	21.1	67.3	24.1	1206	2.8	134.4	7.5	326	2.58	96.3	6.9	0.7	62	9.8	18.4	0.3	187	0.43	0.163	12

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Project: CCJV  
 Report Date: August 25, 2011

Page: 5 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11003580.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183027	Soil Pulp	19	0.03	405	0.007	<1	0.61	0.003	0.05	0.3	0.18	0.3	0.5	0.08	5	5.8	<0.2
1183028	Soil Pulp	14	0.02	513	0.010	<1	0.34	0.004	0.05	0.2	0.08	<0.1	0.7	0.09	4	7.4	<0.2
1183029	Soil Pulp	25	0.06	338	0.010	1	0.67	0.003	0.08	0.5	0.16	0.6	1.0	0.08	5	9.3	<0.2
1183030	Soil Pulp	10	0.01	281	0.003	<1	0.34	0.007	0.03	0.2	0.04	<0.1	0.2	<0.05	2	2.4	<0.2
1183031	Soil Pulp	33	0.09	293	0.009	1	1.12	0.006	0.20	1.7	0.85	1.8	2.7	0.56	4	24.3	0.4
1183032	Soil Pulp	6	0.01	169	0.005	<1	0.78	0.019	0.02	<0.1	0.66	0.4	0.1	<0.05	1	2.5	<0.2
1183033	Soil Pulp	60	0.04	539	0.004	1	0.56	0.010	0.07	0.2	0.18	0.4	0.8	0.12	4	7.7	<0.2
1183034	Soil Pulp	6	0.02	114	0.003	<1	0.24	0.017	0.02	<0.1	0.07	0.2	0.1	<0.05	1	1.1	<0.2
1183035	Soil Pulp	132	0.16	2167	0.030	2	2.97	0.003	0.13	1.0	3.37	3.2	1.3	0.11	7	18.4	<0.2
1183036	Soil Pulp	18	0.02	444	0.001	<1	0.31	0.011	0.06	0.1	0.18	0.3	0.5	0.06	2	7.2	<0.2
1183037	Soil Pulp	35	0.03	595	0.007	2	1.20	0.004	0.20	1.1	0.80	1.2	3.1	0.37	5	42.6	0.5
1183038	Soil Pulp	20	0.22	1094	0.011	3	1.15	0.004	0.12	1.2	0.44	1.4	0.9	0.07	3	5.0	<0.2
1183041	Soil Pulp	26	0.14	363	0.004	1	1.09	0.004	0.08	0.4	0.19	0.4	0.5	0.08	4	3.4	<0.2
1183042	Soil Pulp	95	0.23	2096	0.016	3	1.88	0.003	0.15	0.7	0.34	2.1	1.5	0.14	8	14.0	0.2
1183043	Soil Pulp	35	0.26	636	0.010	2	1.81	0.003	0.10	1.0	0.41	2.5	0.6	0.05	4	6.6	<0.2
1183044	Soil Pulp	27	0.10	403	0.017	2	0.91	0.006	0.07	0.6	0.15	0.8	0.8	0.07	6	10.0	<0.2
1183045	Soil Pulp	1	0.01	129	0.003	<1	0.16	0.020	0.01	<0.1	0.04	<0.1	<0.1	<0.05	<1	0.9	<0.2
1183046	Soil Pulp	22	0.02	673	0.007	1	0.45	0.007	0.07	0.3	0.09	<0.1	0.9	0.14	3	7.1	<0.2
1183047	Soil Pulp	8	0.02	248	0.003	6	0.53	0.007	0.03	0.2	0.23	<0.1	0.2	0.07	2	3.6	<0.2
1183101	Soil Pulp	18	0.19	637	0.007	3	0.96	0.006	0.05	0.7	0.06	1.1	0.4	<0.05	4	4.6	<0.2
1183102	Soil Pulp	7	0.06	203	0.006	3	0.48	0.001	0.06	0.7	0.01	0.8	0.2	<0.05	2	1.4	<0.2
1183103	Soil Pulp	16	0.20	1194	0.005	3	0.97	0.006	0.06	0.5	0.49	2.4	0.2	0.06	3	6.3	<0.2
1183104	Soil Pulp	18	0.22	253	0.007	3	1.02	0.002	0.07	0.9	0.06	1.5	0.3	<0.05	4	2.7	<0.2
1183105	Soil Pulp	14	0.20	745	0.006	3	0.77	0.005	0.06	0.8	0.10	0.4	0.3	<0.05	2	1.7	<0.2
1183106	Soil Pulp	13	0.08	181	0.008	2	0.48	0.002	0.05	0.7	0.02	0.8	0.3	<0.05	3	2.5	<0.2
1183107	Soil Pulp	11	0.05	168	0.008	2	0.37	0.002	0.06	0.3	0.02	0.7	0.4	<0.05	3	3.5	<0.2
1183108	Soil Pulp	13	0.08	201	0.018	2	0.48	0.003	0.07	0.5	0.08	0.6	0.3	<0.05	3	2.1	<0.2
1183109	Soil Pulp	10	0.07	264	0.005	<1	0.71	0.002	0.05	0.3	0.04	0.9	0.2	<0.05	3	2.2	<0.2
1183151	Soil Pulp	28	0.02	155	0.008	1	0.37	0.002	0.05	0.4	0.07	0.2	0.9	0.05	3	11.9	<0.2
1183152	Soil Pulp	38	0.15	402	0.004	3	0.55	0.003	0.07	0.3	0.74	1.3	0.7	0.07	2	7.7	0.2

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Project: CCJV  
 Report Date: August 25, 2011

Page: 6 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003580.1

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1183153	Soil Pulp	9.3	28.1	24.2	136	0.3	28.1	3.2	45	1.60	62.1	6.7	0.2	45	0.3	10.0	1.0	95	0.02	0.054	17
1183154	Soil Pulp	13.5	16.5	23.8	113	1.4	29.6	1.5	23	1.17	20.9	7.7	<0.1	31	0.3	11.7	0.4	109	0.07	0.069	9
1183156	Soil Pulp	2.8	92.6	30.7	156	0.3	45.5	12.5	219	5.48	13.5	1.6	1.6	5	0.3	2.5	0.7	11	0.03	0.096	11
1183157	Soil Pulp	5.3	34.6	16.2	173	0.6	34.7	5.8	195	3.59	43.9	0.9	0.6	18	0.7	4.3	0.4	40	0.03	0.086	12
1183158	Soil Pulp	4.8	32.0	16.6	151	0.4	29.4	6.2	178	3.00	19.6	1.5	0.3	26	1.1	3.5	0.4	39	0.07	0.094	12
1183159	Soil Pulp	7.8	24.7	11.2	301	0.2	57.6	17.0	435	3.15	21.5	0.7	1.1	7	1.0	4.0	0.4	45	0.02	0.054	13
1183160	Soil Pulp	61.6	28.9	11.1	442	0.2	119.0	5.4	208	2.15	49.1	2.8	0.4	8	1.3	15.7	0.2	120	0.02	0.100	11
1183161	Soil Pulp	8.1	24.1	31.6	132	2.4	25.1	4.7	171	3.97	46.1	3.9	1.0	26	0.3	4.6	0.4	78	0.03	0.302	11
1183162	Soil Pulp	11.5	26.3	27.0	111	1.2	24.5	3.7	81	2.37	81.7	14.1	0.4	25	0.4	10.0	0.5	75	0.02	0.119	10
1183163	Soil Pulp	4.5	29.2	13.4	86	0.7	24.8	6.0	250	3.22	24.5	0.9	1.8	4	0.1	2.9	0.3	26	<0.01	0.059	15
1183164	Soil Pulp	10.3	31.6	26.7	104	0.9	17.8	2.6	58	2.04	79.3	2.6	0.1	29	0.3	10.8	0.5	86	0.01	0.082	12
1183165	Soil Pulp	8.2	24.0	15.5	87	1.3	12.1	1.3	23	1.06	78.7	13.3	0.1	35	2.3	7.8	0.6	49	0.05	0.098	9
1183166	Soil Pulp	7.0	8.8	9.9	33	0.4	5.0	1.1	27	0.74	26.1	1.5	<0.1	10	0.4	3.2	0.3	44	0.01	0.029	11
1183167	Soil Pulp	13.3	22.2	13.9	66	1.3	10.0	1.3	27	1.17	52.2	4.7	<0.1	28	0.8	10.9	0.3	56	0.02	0.056	11
1183168	Soil Pulp	1.9	58.1	10.5	191	0.3	48.9	10.5	348	3.06	148.5	22.3	6.3	39	1.0	7.3	0.4	35	0.21	0.087	16
1183169	Soil Pulp	14.2	24.1	24.6	86	1.1	12.1	2.3	98	3.18	187.2	6.3	2.7	37	0.5	15.3	0.4	129	0.02	0.103	12
1183170	Soil Pulp	23.0	58.2	23.2	86	2.0	18.7	2.3	68	2.57	178.4	17.7	0.5	69	1.7	21.3	0.5	85	0.05	0.175	12
1183201	Soil Pulp	11.7	253.7	50.5	117	4.1	34.1	5.5	286	9.48	9756	4248	12.0	35	2.0	132.2	1.2	108	0.03	0.281	41
1183202	Soil Pulp	24.9	222.5	48.7	97	3.1	29.3	2.3	103	7.37	1192	209.1	16.6	76	1.1	63.5	0.9	99	0.02	0.253	27
1183203	Soil Pulp	18.8	140.6	48.1	258	4.9	33.4	3.4	93	8.56	471.3	308.3	5.3	101	0.5	56.2	2.2	112	0.03	0.254	13
1183204	Soil Pulp	6.9	78.1	28.3	110	1.8	16.6	3.3	97	3.56	715.6	41.1	2.2	36	0.5	21.1	0.7	82	0.02	0.078	20
1183205	Soil Pulp	6.3	205.7	22.7	168	1.8	43.6	6.5	149	10.51	714.2	88.5	9.5	74	0.9	171.5	0.7	102	0.03	0.203	28
1183206	Soil Pulp	12.3	46.0	15.6	72	0.9	19.3	4.2	145	2.98	161.0	45.0	0.8	82	0.3	66.4	0.4	56	0.04	0.103	14
1183207	Soil Pulp	1.1	36.9	7.0	104	0.4	28.1	2.7	82	2.66	244.4	5.5	0.4	12	0.8	100.5	0.2	25	0.02	0.051	7
1183208	Soil Pulp	3.1	42.7	12.3	90	0.8	20.7	13.8	519	5.19	239.1	58.6	10.8	27	0.2	27.4	0.3	50	0.12	0.105	32
1183209	Soil Pulp	2.2	44.5	10.5	175	1.0	48.3	16.6	519	4.13	167.3	27.9	5.3	27	0.8	24.6	0.2	51	0.16	0.087	27
1183210	Soil Pulp	4.3	115.7	12.0	102	2.8	22.3	3.6	176	12.12	453.2	25.9	8.5	52	0.5	96.7	0.2	63	0.05	0.187	12
1183211	Soil Pulp	6.3	54.6	16.3	179	3.6	39.2	10.1	256	4.29	212.9	44.8	4.0	37	0.9	59.4	0.3	77	0.06	0.105	13
1183212	Soil Pulp	7.8	71.4	28.7	154	2.7	22.1	4.9	533	5.46	903.0	22.2	0.5	39	1.4	138.4	0.6	114	0.06	0.181	14
1183213	Soil Pulp	10.0	171.2	31.1	213	2.4	32.1	7.4	404	6.18	311.1	20.7	2.6	27	1.1	64.5	0.5	100	0.04	0.187	17

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Page: 6 of 8 Part 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183153	Soil Pulp	8	0.02	130	0.007	1	0.38	0.002	0.03	0.4	0.03	0.3	0.1	<0.05	4	2.7	<0.2
1183154	Soil Pulp	13	0.02	247	0.007	2	0.29	0.002	0.06	0.2	0.04	0.2	0.3	0.09	3	2.2	<0.2
1183156	Soil Pulp	6	0.03	1053	0.003	2	0.38	0.002	0.06	<0.1	0.05	1.2	0.1	0.06	<1	0.7	0.4
1183157	Soil Pulp	7	0.03	368	0.004	1	0.44	0.002	0.10	0.2	0.02	0.7	0.2	0.14	2	1.6	<0.2
1183158	Soil Pulp	10	0.07	723	0.005	1	0.64	0.003	0.10	0.2	0.04	0.5	0.1	0.10	3	0.9	<0.2
1183159	Soil Pulp	10	0.09	518	0.008	2	0.77	0.002	0.08	0.2	0.03	0.9	0.2	<0.05	3	1.3	<0.2
1183160	Soil Pulp	11	0.03	79	0.004	1	0.27	<0.001	0.04	0.3	0.04	0.3	0.4	<0.05	1	6.6	<0.2
1183161	Soil Pulp	17	0.11	446	0.011	2	1.06	0.002	0.07	0.3	0.10	1.0	0.2	0.06	5	1.7	<0.2
1183162	Soil Pulp	11	0.04	196	0.007	2	0.42	0.003	0.06	0.8	0.03	0.5	0.3	<0.05	3	5.0	0.2
1183163	Soil Pulp	7	0.05	478	0.005	<1	0.77	0.002	0.05	0.1	0.02	1.0	0.2	<0.05	3	0.5	<0.2
1183164	Soil Pulp	12	0.04	164	0.009	2	0.46	0.002	0.06	0.5	0.03	0.2	0.2	<0.05	5	4.8	<0.2
1183165	Soil Pulp	11	0.03	340	0.005	2	0.47	0.005	0.05	0.5	0.04	0.2	0.2	0.07	3	4.7	<0.2
1183166	Soil Pulp	7	0.02	129	0.007	1	0.38	0.003	0.03	0.2	0.01	0.1	0.1	<0.05	5	2.0	<0.2
1183167	Soil Pulp	10	0.01	309	0.004	3	0.26	0.004	0.04	0.3	0.03	0.1	0.1	<0.05	3	10.0	<0.2
1183168	Soil Pulp	18	0.45	504	0.077	1	1.23	0.017	0.18	2.2	0.02	2.4	0.2	<0.05	4	1.3	<0.2
1183169	Soil Pulp	17	0.12	236	0.021	<1	0.84	0.002	0.05	0.7	0.04	1.2	0.2	<0.05	6	8.1	0.2
1183170	Soil Pulp	19	0.09	484	0.008	<1	0.92	0.004	0.08	0.7	0.14	0.3	0.3	0.15	4	17.7	0.4
1183201	Soil Pulp	45	0.38	284	0.045	3	1.98	0.004	0.13	1.3	0.10	7.3	1.4	0.20	7	21.7	0.5
1183202	Soil Pulp	33	0.17	519	0.026	2	1.46	0.005	0.11	1.3	0.18	5.3	0.8	0.19	5	39.2	0.8
1183203	Soil Pulp	27	0.11	664	0.011	1	0.75	0.007	0.14	3.0	0.22	2.6	0.3	0.26	6	55.6	0.6
1183204	Soil Pulp	16	0.06	174	0.052	<1	0.63	0.002	0.04	0.4	0.06	1.2	<0.1	<0.05	6	4.0	0.2
1183205	Soil Pulp	34	0.28	331	0.055	<1	1.59	0.006	0.15	0.5	0.08	5.5	0.4	0.20	6	19.2	0.5
1183206	Soil Pulp	17	0.20	1095	0.011	1	1.17	0.004	0.08	1.5	0.17	1.2	0.1	0.11	4	12.9	<0.2
1183207	Soil Pulp	10	0.16	198	0.011	<1	0.54	0.002	0.02	1.1	0.03	0.4	<0.1	<0.05	2	1.5	0.3
1183208	Soil Pulp	17	0.47	252	0.090	2	2.53	0.026	0.21	10.6	0.03	4.9	0.2	0.09	8	3.3	0.3
1183209	Soil Pulp	23	0.51	306	0.080	1	2.20	0.015	0.18	2.6	0.02	4.2	0.2	<0.05	7	2.1	<0.2
1183210	Soil Pulp	14	0.26	756	0.027	2	2.67	0.023	0.12	2.4	0.10	4.4	0.1	0.20	7	22.4	<0.2
1183211	Soil Pulp	36	0.32	444	0.020	2	2.51	0.005	0.09	1.3	0.16	2.9	0.3	<0.05	5	7.0	<0.2
1183212	Soil Pulp	23	0.09	532	0.014	2	0.87	0.005	0.16	0.6	0.08	1.0	0.3	0.21	7	8.9	0.3
1183213	Soil Pulp	29	0.13	151	0.028	1	1.17	0.006	0.07	0.5	0.10	3.0	0.2	0.08	5	6.3	0.2

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Project: CCJV  
 Report Date: August 25, 2011

Page: 7 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003580.1

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1183214	Soil Pulp	11.7	236.4	106.7	241	4.6	39.0	6.4	294	7.74	841.4	125.7	7.5	49	1.3	48.7	0.9	142	0.04	0.167	28
1183215	Soil Pulp	6.6	46.4	21.1	97	1.2	14.4	2.3	71	2.67	201.6	14.2	0.8	28	0.3	20.4	0.5	75	0.03	0.083	13
1183216	Soil Pulp	11.6	49.8	17.6	70	1.9	14.5	2.0	48	2.96	231.6	8.8	0.7	26	0.5	21.7	0.3	55	0.02	0.083	10
1183217	Soil Pulp	14.4	97.7	62.0	171	1.9	26.7	4.2	257	5.65	400.1	46.5	5.9	133	0.9	48.5	0.7	119	0.04	0.194	33
1183218	Soil Pulp	2.0	15.1	6.6	29	0.5	5.4	1.2	37	0.91	26.3	2.2	<0.1	15	0.3	2.8	0.2	34	0.03	0.057	6
1183219	Soil Pulp	6.0	68.1	18.7	92	0.7	13.1	1.6	67	2.64	237.3	11.5	0.3	44	0.3	11.3	0.3	62	0.04	0.105	19
1183220	Soil Pulp	10.6	152.4	42.3	261	1.3	34.9	5.7	274	6.19	603.6	37.3	4.2	37	0.7	25.5	0.8	116	0.03	0.159	20
1183221	Soil Pulp	9.2	55.8	23.3	104	1.0	19.0	3.5	101	3.04	143.9	9.4	0.3	55	0.4	10.7	0.5	70	0.04	0.128	17
1183222	Soil Pulp	3.2	61.5	11.8	109	0.4	25.3	5.3	149	3.27	185.7	11.7	0.5	24	0.7	10.1	0.3	66	0.04	0.084	13
1183223	Soil Pulp	5.6	72.3	15.2	132	1.4	32.3	5.6	132	3.72	96.5	16.7	0.6	21	0.6	7.6	0.3	72	0.05	0.109	12
1183224	Soil Pulp	5.0	57.0	15.1	119	0.7	27.3	5.3	243	3.78	183.3	15.6	0.6	19	0.4	11.2	0.4	77	0.05	0.126	13
1184195	Soil Pulp	2.3	13.0	9.8	36	2.9	7.3	2.0	59	1.00	9.5	2.6	0.1	13	<0.1	1.6	0.2	45	0.03	0.040	9
1184196	Soil Pulp	4.8	13.7	14.7	47	1.3	9.5	2.6	84	2.75	29.5	2.7	0.2	21	<0.1	3.0	0.2	115	0.03	0.111	8
1184197	Soil Pulp	3.5	28.7	10.4	102	0.9	23.1	5.5	166	2.11	18.3	6.6	0.4	30	0.3	3.1	0.2	57	0.13	0.105	13
1184198	Soil Pulp	2.7	8.7	8.7	31	0.2	6.9	1.8	52	0.94	14.2	1.1	<0.1	10	0.1	1.0	0.3	59	0.04	0.043	11
1184199	Soil Pulp	2.9	14.3	9.3	42	0.3	7.4	1.7	43	0.68	10.2	1.4	<0.1	19	0.2	1.7	0.1	34	0.03	0.080	8
1186154	Soil Pulp	4.3	16.3	8.3	45	0.3	8.8	2.6	65	1.42	16.8	3.0	<0.1	9	<0.1	1.8	0.3	52	0.02	0.055	9
1186155	Soil Pulp	3.9	16.3	13.9	59	0.8	11.8	3.2	144	2.33	17.7	2.4	0.1	13	0.1	2.3	0.3	77	0.03	0.083	10
1186156	Soil Pulp	3.0	33.7	13.7	74	3.4	16.9	5.3	230	2.46	22.1	3.5	0.3	13	0.2	2.8	0.3	55	0.03	0.128	7
1186157	Soil Pulp	6.9	25.6	15.9	74	2.1	10.3	2.1	33	1.15	13.9	2.3	0.1	33	0.1	5.2	0.1	73	0.01	0.044	10
1186158	Soil Pulp	3.1	28.5	15.5	96	0.4	23.7	9.2	457	2.48	16.4	3.7	0.6	21	0.3	3.0	0.2	52	0.08	0.077	10
1186159	Soil Pulp	3.3	61.2	23.8	82	0.2	25.6	16.7	1803	5.51	23.4	5.0	0.4	11	0.1	2.2	0.3	55	0.03	0.111	8
1186160	Soil Pulp	2.2	37.0	11.3	67	0.4	16.8	5.0	155	2.45	15.8	5.1	0.3	9	0.2	1.4	0.2	34	0.02	0.116	6
1186161	Soil Pulp	2.6	41.6	25.2	74	1.4	23.9	4.6	118	3.40	22.2	23.6	0.4	41	0.1	2.4	0.4	41	0.02	0.122	5
1186162	Soil Pulp	2.4	40.1	12.4	78	0.4	20.6	4.9	159	2.60	27.5	5.3	0.1	17	0.1	2.7	0.2	43	0.04	0.065	7
1186163	Soil Pulp	2.4	46.7	18.9	102	0.9	32.8	7.9	225	3.30	41.4	32.7	0.9	56	0.2	3.2	0.3	36	0.09	0.097	4
1186164	Soil Pulp	3.0	55.4	18.8	111	0.7	33.5	9.8	441	3.58	24.4	14.3	0.2	16	0.1	2.9	0.4	35	0.02	0.070	8
1186165	Soil Pulp	3.2	33.5	15.5	94	0.4	19.2	4.7	92	2.77	26.3	1.5	0.2	24	0.2	3.3	0.3	102	0.01	0.078	8
1186166	Soil Pulp	2.8	29.9	12.8	70	0.7	15.7	4.3	135	2.14	27.1	6.1	0.5	14	0.1	2.0	0.3	55	0.03	0.063	10
1186167	Soil Pulp	1.7	25.6	8.2	42	0.6	9.6	2.8	66	1.36	9.7	2.4	<0.1	8	<0.1	1.2	0.2	27	0.01	0.047	8

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Page: 7 of 8 Part 2

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VAN11003580.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183214	Soil Pulp	50	0.22	221	0.052	3	1.42	0.004	0.09	0.2	0.18	4.4	0.3	0.09	8	8.0	0.3
1183215	Soil Pulp	16	0.07	183	0.017	3	0.59	0.006	0.07	0.6	0.07	1.0	0.2	<0.05	5	3.3	0.2
1183216	Soil Pulp	12	0.04	158	0.017	1	0.68	0.010	0.04	0.5	0.06	0.8	0.1	<0.05	5	3.6	<0.2
1183217	Soil Pulp	40	0.21	404	0.043	2	1.24	0.005	0.11	0.8	0.06	3.2	0.3	0.14	6	9.0	0.4
1183218	Soil Pulp	8	0.04	64	0.006	3	0.33	0.012	0.03	0.1	0.03	0.2	<0.1	<0.05	2	1.2	<0.2
1183219	Soil Pulp	16	0.03	215	0.006	2	0.46	0.004	0.06	0.3	0.04	0.6	0.2	0.05	4	5.5	0.2
1183220	Soil Pulp	39	0.27	221	0.021	1	1.42	0.004	0.10	0.7	0.06	3.8	0.3	<0.05	6	10.4	0.5
1183221	Soil Pulp	23	0.16	194	0.010	<1	1.12	0.010	0.08	0.2	0.05	0.7	0.2	0.08	5	3.9	<0.2
1183222	Soil Pulp	23	0.24	119	0.019	2	1.20	0.008	0.06	0.3	0.04	1.2	0.1	<0.05	4	1.9	<0.2
1183223	Soil Pulp	28	0.24	244	0.016	3	1.42	0.006	0.07	0.4	0.09	1.2	0.2	0.05	4	3.3	<0.2
1183224	Soil Pulp	34	0.24	233	0.015	3	1.49	0.005	0.08	0.5	0.08	1.0	0.2	0.06	5	4.4	0.2
1184195	Soil Pulp	12	0.08	122	0.008	<1	0.61	0.008	0.05	0.1	0.13	0.4	0.1	<0.05	4	0.9	<0.2
1184196	Soil Pulp	20	0.08	137	0.012	2	0.74	0.005	0.05	0.2	0.19	0.5	0.3	<0.05	6	2.6	<0.2
1184197	Soil Pulp	18	0.19	215	0.010	1	0.88	0.005	0.06	0.3	0.13	0.9	0.2	<0.05	3	1.6	<0.2
1184198	Soil Pulp	15	0.11	102	0.008	2	0.85	0.006	0.06	0.1	0.03	0.3	0.2	<0.05	7	0.7	<0.2
1184199	Soil Pulp	9	0.04	189	0.004	2	0.41	0.009	0.07	0.1	0.04	0.2	0.1	<0.05	3	1.0	<0.2
1186154	Soil Pulp	11	0.04	101	0.005	1	0.55	0.003	0.05	0.2	0.04	0.3	0.2	<0.05	5	0.8	<0.2
1186155	Soil Pulp	20	0.09	127	0.009	2	0.83	0.004	0.07	0.2	0.21	0.4	0.2	<0.05	6	1.4	<0.2
1186156	Soil Pulp	24	0.11	171	0.005	2	0.69	0.004	0.06	0.1	0.22	0.6	0.2	<0.05	5	1.9	<0.2
1186157	Soil Pulp	10	0.01	164	0.005	1	0.25	0.003	0.05	0.2	0.07	0.4	0.3	<0.05	2	2.6	<0.2
1186158	Soil Pulp	22	0.26	185	0.014	2	0.87	0.004	0.07	0.2	0.08	1.2	0.1	<0.05	3	1.5	<0.2
1186159	Soil Pulp	41	0.28	184	0.008	1	1.16	0.003	0.05	0.2	0.09	0.8	0.1	<0.05	5	1.3	<0.2
1186160	Soil Pulp	21	0.15	143	0.004	2	1.12	0.005	0.05	0.1	0.12	0.6	0.1	<0.05	3	0.5	<0.2
1186161	Soil Pulp	32	0.22	397	0.004	3	1.57	0.008	0.10	0.1	0.87	1.2	0.2	0.05	5	2.4	<0.2
1186162	Soil Pulp	20	0.18	148	0.011	2	0.83	0.004	0.06	<0.1	0.07	0.7	0.1	<0.05	4	0.8	<0.2
1186163	Soil Pulp	23	0.23	611	0.003	1	1.18	0.005	0.10	<0.1	0.12	2.0	0.1	<0.05	3	2.3	<0.2
1186164	Soil Pulp	17	0.15	145	0.005	1	0.85	0.003	0.05	<0.1	0.05	0.6	<0.1	<0.05	4	0.9	<0.2
1186165	Soil Pulp	16	0.04	130	0.007	1	0.73	0.002	0.05	0.1	0.02	0.4	0.1	<0.05	7	1.4	<0.2
1186166	Soil Pulp	15	0.10	160	0.010	2	0.69	0.004	0.07	0.1	0.03	1.0	0.1	<0.05	5	0.7	<0.2
1186167	Soil Pulp	8	0.03	153	0.004	2	0.56	0.005	0.04	<0.1	0.03	0.2	<0.1	<0.05	4	<0.5	<0.2

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Page: 8 of 8 Part 1

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**VAN11003580.1**

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1186168	Soil Pulp	4.6	47.8	12.3	123	0.9	26.9	5.7	193	2.46	23.6	9.0	0.6	43	0.8	3.8	0.3	45	0.10	0.132	14
1186169	Soil Pulp	3.5	39.5	10.0	94	0.8	23.0	5.5	193	2.47	18.4	8.8	0.7	24	<0.1	3.8	<0.1	51	0.03	0.072	8
1186170	Soil Pulp	2.3	38.4	7.4	61	0.9	17.5	6.7	1932	1.21	8.0	4.0	0.2	70	0.5	1.0	<0.1	23	0.23	0.088	3
1186171	Soil Pulp	3.4	52.9	13.3	116	0.7	33.9	10.1	1366	2.41	15.4	7.5	0.7	119	0.8	2.0	0.2	34	0.46	0.148	7
1186172	Soil Pulp	4.1	32.4	18.3	96	0.7	21.5	5.4	123	3.22	26.5	1.9	1.5	26	0.3	3.1	0.3	64	0.02	0.109	9
1186173	Soil Pulp	2.1	29.5	10.1	40	0.9	9.4	1.9	45	1.33	8.2	2.5	<0.1	23	0.4	0.9	0.1	32	0.02	0.084	7
1186174	Soil Pulp	8.7	18.6	23.8	42	4.6	7.9	1.8	52	1.19	16.6	1.4	0.1	132	0.3	5.9	0.3	79	0.03	0.259	9
1186175	Soil Pulp	13.3	11.8	44.8	40	5.0	8.7	2.0	52	2.57	36.1	5.8	0.6	49	<0.1	7.5	0.2	129	0.03	0.118	9
1186176	Soil Pulp	20.7	15.0	38.6	49	11.0	11.2	2.3	60	2.89	78.8	16.4	1.3	87	0.1	13.9	<0.1	147	0.03	0.182	9
1186177	Soil Pulp	19.3	17.8	26.9	47	17.6	11.1	3.0	104	3.89	63.8	5.2	2.0	68	0.2	10.4	0.2	214	0.04	0.309	8
1186178	Soil Pulp	20.6	31.4	29.4	67	11.5	18.8	4.4	131	4.53	59.2	13.4	1.7	84	0.2	11.4	0.2	252	0.07	0.466	10
1186179	Soil Pulp	57.6	23.2	86.5	48	12.2	10.8	1.9	76	4.09	184.9	25.9	1.0	223	<0.1	30.3	0.3	375	0.03	0.385	7

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Page: 8 of 8 Part 2

**CERTIFICATE OF ANALYSIS**

**VAN11003580.1**

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1186168	Soil Pulp	16	0.22	330	0.006	2	0.72	0.003	0.06	0.2	0.08	1.0	0.1	0.08	2	1.6	<0.2
1186169	Soil Pulp	21	0.22	149	0.006	1	1.03	0.002	0.04	0.2	0.13	1.1	0.2	<0.05	3	2.0	<0.2
1186170	Soil Pulp	11	0.10	1292	0.004	1	0.55	0.012	0.09	<0.1	0.11	1.2	0.1	0.05	2	0.9	<0.2
1186171	Soil Pulp	16	0.27	980	0.006	3	0.91	0.004	0.08	0.2	0.19	1.3	0.2	0.08	3	1.5	<0.2
1186172	Soil Pulp	14	0.08	186	0.011	<1	0.66	0.002	0.05	0.2	0.04	1.8	0.1	<0.05	5	1.7	<0.2
1186173	Soil Pulp	10	0.03	385	0.006	1	0.60	0.005	0.03	<0.1	0.08	<0.1	<0.1	<0.05	3	1.1	<0.2
1186174	Soil Pulp	25	0.03	837	0.011	<1	0.44	0.002	0.06	0.2	0.08	0.3	0.5	0.06	5	20.1	<0.2
1186175	Soil Pulp	18	0.08	282	0.015	<1	0.73	0.003	0.05	0.3	0.20	0.8	0.5	<0.05	6	9.6	<0.2
1186176	Soil Pulp	28	0.12	633	0.013	<1	0.96	0.002	0.06	0.6	1.17	1.1	0.5	0.06	4	12.2	<0.2
1186177	Soil Pulp	40	0.15	488	0.016	<1	1.70	0.003	0.08	0.4	0.67	2.2	0.6	0.07	7	7.6	<0.2
1186178	Soil Pulp	43	0.21	475	0.014	<1	1.82	0.003	0.09	0.4	0.63	2.0	0.7	0.07	6	13.2	0.3
1186179	Soil Pulp	44	0.06	1077	0.019	<1	0.68	0.003	0.15	0.6	0.79	1.4	2.1	0.29	8	35.4	<0.2

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Acme Analytical Laboratories (Vancouver) Ltd.

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**Client:** Carlin Gold Corporation  
 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

**Project:** CCJV  
**Report Date:** August 25, 2011

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

**QUALITY CONTROL REPORT**

**VAN11003580.1**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
Pulp Duplicates																					
1181788	Soil Pulp	3.5	120.6	35.8	120	1.2	26.2	4.3	104	5.33	34.6	27.9	5.0	30	<0.1	6.8	0.7	36	0.03	0.107	22
REP 1181788	QC	3.3	120.1	35.7	122	1.2	24.6	4.2	101	5.20	34.8	26.9	5.0	29	<0.1	7.4	0.7	35	0.03	0.105	20
1182145	Soil Pulp	1.2	26.2	7.4	23	4.3	8.5	1.0	24	0.81	4.3	8.8	0.2	16	0.9	3.1	0.2	28	0.06	0.155	5
REP 1182145	QC	1.1	26.3	6.3	25	4.2	9.1	1.0	26	0.86	4.4	8.3	0.2	15	0.7	3.5	0.3	29	0.06	0.169	5
1182156	Soil Pulp	2.2	67.4	12.7	168	1.4	41.1	11.2	1133	2.15	41.6	24.7	1.4	130	3.8	3.4	0.4	39	1.06	0.109	11
REP 1182156	QC	2.5	70.5	12.9	178	1.4	44.7	11.3	1160	2.25	44.2	22.8	1.6	136	3.9	3.8	0.5	46	1.08	0.118	12
1182375	Soil Pulp	2.7	33.1	21.0	62	0.3	16.1	3.6	139	4.01	52.6	14.6	0.5	23	<0.1	4.4	0.4	37	0.03	0.140	12
REP 1182375	QC	2.7	32.5	20.9	61	0.3	15.9	3.6	139	3.96	52.3	13.0	0.5	23	<0.1	4.3	0.4	36	0.04	0.141	11
1183006	Soil Pulp	2.3	37.9	7.9	139	2.7	34.5	1.6	43	0.74	7.1	6.7	0.2	28	2.8	1.5	0.2	34	0.11	0.095	7
REP 1183006	QC	2.1	37.0	8.1	138	2.8	33.7	1.5	44	0.71	6.7	9.3	0.2	28	2.9	1.6	0.2	32	0.11	0.096	7
1183043	Soil Pulp	17.1	33.1	14.7	208	5.0	35.4	7.4	180	2.92	58.0	10.4	4.1	71	1.2	11.8	0.2	165	0.22	0.304	15
REP 1183043	QC	17.6	37.0	15.4	222	5.2	36.5	7.1	178	2.97	62.1	13.1	4.0	76	1.4	12.5	0.2	175	0.22	0.318	17
1183101	Soil Pulp	10.5	24.3	15.0	580	0.5	42.7	3.1	84	1.97	40.6	4.9	1.6	48	3.5	7.7	0.3	120	0.18	0.132	10
REP 1183101	QC	10.5	23.7	14.8	579	0.5	42.1	3.0	84	1.93	39.8	4.2	1.7	47	3.7	7.8	0.3	114	0.17	0.127	10
1183164	Soil Pulp	10.3	31.6	26.7	104	0.9	17.8	2.6	58	2.04	79.3	2.6	0.1	29	0.3	10.8	0.5	86	0.01	0.082	12
REP 1183164	QC	10.4	32.9	28.2	107	0.9	18.6	2.7	61	2.08	81.9	4.8	0.1	29	0.4	11.6	0.5	91	0.01	0.084	13
1183215	Soil Pulp	6.6	46.4	21.1	97	1.2	14.4	2.3	71	2.67	201.6	14.2	0.8	28	0.3	20.4	0.5	75	0.03	0.083	13
REP 1183215	QC	6.7	46.5	21.5	94	1.2	14.9	2.4	70	2.76	201.7	17.7	0.8	28	0.4	20.8	0.5	74	0.03	0.089	13
1186165	Soil Pulp	3.2	33.5	15.5	94	0.4	19.2	4.7	92	2.77	26.3	1.5	0.2	24	0.2	3.3	0.3	102	0.01	0.078	8
REP 1186165	QC	3.3	33.5	14.6	94	0.4	18.9	4.5	95	2.79	26.6	2.7	0.1	24	0.2	3.3	0.3	103	0.01	0.078	8
1186172	Soil Pulp	4.1	32.4	18.3	96	0.7	21.5	5.4	123	3.22	26.5	1.9	1.5	26	0.3	3.1	0.3	64	0.02	0.109	9
REP 1186172	QC	4.0	31.5	17.6	95	0.6	20.4	5.0	117	3.03	26.3	4.3	1.4	26	0.2	3.1	0.3	61	0.01	0.102	9
Reference Materials																					
STD DS8	Standard	11.6	106.4	121.8	310	1.8	37.6	7.1	604	2.44	25.8	109.6	5.8	67	2.4	5.9	6.9	39	0.65	0.078	12
STD DS8	Standard	13.6	108.2	128.5	313	1.8	37.9	7.2	622	2.47	25.5	120.9	6.8	76	2.5	6.3	7.3	40	0.69	0.080	16
STD DS8	Standard	13.5	121.3	119.9	328	1.8	42.1	8.1	631	2.57	26.2	120.9	6.3	65	2.5	5.7	6.6	44	0.71	0.085	13
STD DS8	Standard	13.5	116.0	112.5	324	1.8	40.7	7.9	652	2.57	25.7	119.8	6.3	62	2.2	4.9	6.0	45	0.72	0.084	14
STD DS8	Standard	13.1	110.6	106.8	316	1.8	35.0	7.3	604	2.54	24.7	111.2	5.5	61	2.3	4.9	5.8	42	0.69	0.082	13

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Project: CCJV  
 Report Date: August 25, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003580.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
1181788	Soil Pulp	48	0.32	490	0.005	4	1.37	0.010	0.09	<0.1	0.06	3.1	0.1	0.06	4	4.7	<0.2
REP 1181788	QC	46	0.32	462	0.005	2	1.33	0.009	0.08	0.3	0.06	2.8	0.1	0.07	4	5.2	<0.2
1182145	Soil Pulp	17	0.06	277	0.003	2	0.65	0.012	0.05	0.1	1.09	0.2	0.3	0.06	2	8.2	<0.2
REP 1182145	QC	15	0.06	286	0.006	4	0.67	0.010	0.05	0.1	1.09	0.3	0.4	0.05	2	7.9	<0.2
1182156	Soil Pulp	25	0.35	893	0.012	3	1.49	0.009	0.09	0.7	0.34	2.7	0.3	0.14	4	4.4	<0.2
REP 1182156	QC	28	0.38	915	0.015	6	1.61	0.009	0.11	0.8	0.35	2.9	0.3	0.17	4	4.9	<0.2
1182375	Soil Pulp	25	0.29	175	0.005	<1	0.97	0.008	0.06	0.3	0.04	0.7	<0.1	0.14	4	1.7	<0.2
REP 1182375	QC	25	0.30	174	0.005	<1	0.96	0.008	0.06	0.2	0.03	0.7	<0.1	0.14	4	1.6	<0.2
1183006	Soil Pulp	13	0.08	466	0.005	1	0.55	0.009	0.06	0.1	0.56	0.7	0.2	0.09	2	1.8	<0.2
REP 1183006	QC	12	0.08	489	0.005	1	0.55	0.009	0.06	0.1	0.53	0.6	0.2	0.10	2	2.3	<0.2
1183043	Soil Pulp	35	0.26	636	0.010	2	1.81	0.003	0.10	1.0	0.41	2.5	0.6	0.05	4	6.6	<0.2
REP 1183043	QC	38	0.28	677	0.012	2	2.00	0.004	0.11	0.9	0.43	2.4	0.7	0.05	4	7.3	0.2
1183101	Soil Pulp	18	0.19	637	0.007	3	0.96	0.006	0.05	0.7	0.06	1.1	0.4	<0.05	4	4.6	<0.2
REP 1183101	QC	17	0.19	636	0.006	3	0.94	0.006	0.05	0.6	0.04	1.0	0.4	<0.05	4	3.8	<0.2
1183164	Soil Pulp	12	0.04	164	0.009	2	0.46	0.002	0.06	0.5	0.03	0.2	0.2	<0.05	5	4.8	<0.2
REP 1183164	QC	12	0.04	170	0.008	2	0.47	0.002	0.06	0.5	0.02	0.3	0.3	<0.05	5	4.8	<0.2
1183215	Soil Pulp	16	0.07	183	0.017	3	0.59	0.006	0.07	0.6	0.07	1.0	0.2	<0.05	5	3.3	0.2
REP 1183215	QC	16	0.07	184	0.016	<1	0.61	0.006	0.07	0.7	0.07	0.9	0.2	0.08	5	2.8	<0.2
1186165	Soil Pulp	16	0.04	130	0.007	1	0.73	0.002	0.05	0.1	0.02	0.4	0.1	<0.05	7	1.4	<0.2
REP 1186165	QC	15	0.04	133	0.007	2	0.73	0.003	0.05	0.1	0.02	0.5	0.1	<0.05	7	0.9	<0.2
1186172	Soil Pulp	14	0.08	186	0.011	<1	0.66	0.002	0.05	0.2	0.04	1.8	0.1	<0.05	5	1.7	<0.2
REP 1186172	QC	13	0.08	180	0.011	2	0.63	0.002	0.04	0.3	0.04	1.5	0.1	<0.05	4	1.5	<0.2
Reference Materials																	
STD DS8	Standard	108	0.65	271	0.109	3	0.88	0.091	0.43	3.0	0.20	1.7	5.5	0.15	5	5.3	5.1
STD DS8	Standard	116	0.67	302	0.126	2	0.94	0.098	0.42	3.3	0.20	1.7	5.6	0.13	5	5.2	5.1
STD DS8	Standard	122	0.62	276	0.122	2	0.94	0.095	0.43	2.8	0.20	2.3	5.7	0.20	5	6.5	5.2
STD DS8	Standard	121	0.63	276	0.113	2	0.95	0.105	0.47	2.9	0.23	2.4	5.6	0.19	5	5.4	4.8
STD DS8	Standard	113	0.57	270	0.112	2	0.92	0.090	0.43	3.2	0.20	1.9	5.5	0.17	5	5.6	5.2

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 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: August 25, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11003580.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD DS8	Standard	12.3	111.2	113.1	308	1.8	37.1	7.5	600	2.38	24.2	104.3	6.3	61	2.1	4.8	6.0	41	0.67	0.081	14
STD DS8	Standard	12.9	105.7	121.7	299	1.7	36.0	7.2	601	2.41	24.6	102.6	7.1	69	2.3	6.2	6.3	40	0.67	0.078	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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**Project:** CCJV  
**Report Date:** August 25, 2011

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

QUALITY CONTROL REPORT

VAN11003580.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	118	0.55	264	0.107	2	0.89	0.096	0.45	2.9	0.20	2.4	5.2	0.12	4	6.1	5.1
STD DS8	Standard	110	0.62	289	0.112	4	0.89	0.091	0.40	3.1	0.19	1.9	5.3	0.11	5	4.5	5.2
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Confirmation Email List  
Receiving Lab: Canada-Vancouver  
Received: August 05, 2011  
Report Date: August 25, 2011  
Page: 1 of 9

## CERTIFICATE OF ANALYSIS

VAN11003684.1

### CLIENT JOB INFORMATION

Project: CCJV  
Shipment ID:  
P.O. Number: X-05  
Number of Samples: 239

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	239	Sorting of samples on arrival and labeling			VAN
1DX2	236	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### SAMPLE DISPOSAL

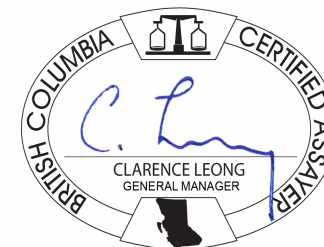
STOR-PLP Store After 90 days Invoice for Storage

### 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: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Report Email List



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Project: CCJV  
 Report Date: August 25, 2011

Page: 2 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003684.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1180340	Soil Pulp	19.9	105.9	9.6	707	4.8	126.7	2.5	155	1.30	26.4	10.7	0.2	90	8.3	9.9	0.2	358	0.70	0.289	7
1180450	Soil Pulp	8.5	67.9	16.2	301	0.9	35.9	20.0	704	3.67	1160	48.9	9.2	42	3.4	15.5	6.0	37	0.42	0.108	28
1180480	Soil Pulp	3.3	57.6	21.8	472	0.2	193.0	27.6	1622	4.48	44.2	4.5	5.1	67	2.6	4.6	0.3	25	0.50	0.129	16
1180481	Soil Pulp	2.6	44.4	21.8	167	0.3	63.6	19.1	641	3.78	18.3	2.8	3.2	54	0.6	1.1	0.3	21	0.39	0.104	10
1180482	Soil Pulp	2.1	31.4	20.7	192	0.2	83.4	15.1	531	3.50	17.1	2.4	3.5	37	0.6	1.3	0.3	24	0.39	0.116	14
1180483	Soil Pulp	1.2	30.9	17.2	108	0.2	37.4	10.8	454	2.89	12.9	2.7	2.7	40	0.2	1.0	0.3	26	0.53	0.090	8
1180485	Soil Pulp	1.1	29.0	16.8	135	0.2	45.7	11.8	578	3.22	12.3	3.0	2.2	53	0.2	0.9	0.2	24	0.62	0.091	4
1180489	Soil Pulp	3.4	70.2	14.0	236	0.6	47.0	10.2	793	2.26	44.4	11.4	1.2	114	2.2	3.6	0.2	35	0.71	0.130	6
1180490	Soil Pulp	25.8	49.0	9.1	1292	0.4	172.5	5.8	246	1.27	15.8	1.7	1.7	112	12.2	4.1	0.1	97	2.38	0.119	11
1180491	Soil Pulp	5.8	42.7	12.6	2289	0.8	125.8	6.4	619	1.38	11.1	3.3	1.5	74	10.2	2.7	0.1	44	1.20	0.128	10
1180492	Soil Pulp	32.2	51.2	43.6	498	0.5	90.6	7.7	389	2.16	18.9	1.1	4.9	74	2.8	8.9	0.2	48	1.96	0.081	17
1180493	Soil Pulp	16.1	40.4	25.7	679	0.7	79.9	5.1	223	1.64	18.8	2.4	1.3	44	4.8	6.0	0.2	113	0.41	0.115	13
1180494	Soil Pulp	10.1	28.3	13.7	154	0.6	39.1	9.5	402	1.56	10.2	2.8	1.5	35	1.5	2.6	0.2	46	0.24	0.072	6
1180495	Soil Pulp	1.9	33.6	12.2	128	0.7	35.0	5.2	174	1.22	7.9	2.7	1.3	43	1.0	1.3	0.1	41	0.59	0.062	6
1180533	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1180534	Soil Pulp	6.5	89.5	21.5	364	1.0	109.8	20.1	1942	3.67	279.9	43.3	1.6	123	2.2	25.6	0.3	32	0.28	0.124	8
1180535	Soil Pulp	4.8	88.6	22.2	425	1.1	133.4	18.4	1549	3.64	173.9	34.8	2.1	122	2.6	15.8	0.3	33	0.47	0.128	8
1180814	Soil Pulp	2.8	22.3	14.1	71	0.4	9.7	8.5	433	2.58	125.2	26.2	7.8	24	0.2	4.3	2.5	36	0.32	0.080	27
1180989	Soil Pulp	3.0	58.3	16.5	214	1.3	79.1	10.8	383	3.20	78.7	21.1	1.1	79	1.4	4.3	0.2	26	0.75	0.128	4
1180990	Soil Pulp	5.4	102.2	31.6	325	2.1	187.3	21.4	761	5.08	118.7	36.9	1.3	115	2.4	7.3	0.4	41	0.66	0.174	4
1180994	Soil Pulp	16.8	64.4	11.9	501	0.7	114.8	20.5	3946	2.78	45.1	6.1	0.7	83	5.3	4.0	0.2	76	2.60	0.176	11
1180995	Soil Pulp	6.1	52.4	12.9	243	0.6	46.5	7.6	264	1.73	8.5	6.1	0.7	60	1.2	3.0	0.2	58	1.37	0.139	10
1180996	Soil Pulp	6.0	86.4	12.8	499	0.7	59.5	8.2	601	2.23	16.3	8.9	0.7	67	4.3	3.6	0.2	61	1.09	0.187	17
1180997	Soil Pulp	6.2	63.9	13.1	342	0.8	65.8	6.6	449	1.94	11.6	5.9	0.4	64	4.3	3.5	0.2	65	0.79	0.201	13
1180998	Soil Pulp	7.8	86.9	17.0	392	0.9	85.9	10.1	1526	2.72	19.1	8.5	0.9	93	3.9	3.8	0.2	72	0.90	0.249	13
1181130	Soil Pulp	1.4	15.5	19.0	63	0.3	19.2	5.7	165	3.49	13.6	<0.5	3.5	15	<0.1	0.9	0.3	33	0.01	0.084	23
1181131	Soil Pulp	4.4	47.7	24.3	67	0.9	15.9	2.8	87	3.59	76.1	12.6	3.1	23	<0.1	14.1	0.4	52	<0.01	0.087	16
1181132	Soil Pulp	0.7	17.4	18.7	40	<0.1	13.4	3.3	170	2.70	12.9	<0.5	3.1	37	<0.1	0.8	0.2	27	0.02	0.081	18
1181133	Soil Pulp	0.5	16.8	6.6	29	0.2	14.6	2.2	26	1.08	6.2	1.3	0.2	14	<0.1	0.7	0.1	14	0.08	0.060	5
1181134	Soil Pulp	1.9	24.2	20.4	75	0.2	23.7	6.7	193	4.23	21.8	0.8	3.8	25	0.1	1.6	0.3	36	0.04	0.141	16

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Project: CCJV  
 Report Date: August 25, 2011

Page: 2 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003684.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	0.2
1180340	Soil Pulp	52	0.10	970	0.002	3	0.73	0.006	0.10	0.1	1.51	0.5	1.9	0.18	3	10.7	0.2
1180450	Soil Pulp	9	0.55	229	0.117	2	1.65	0.035	0.26	13.2	0.04	3.4	0.4	<0.05	5	1.9	<0.2
1180480	Soil Pulp	29	0.50	335	0.005	3	1.25	0.006	0.08	<0.1	0.07	2.6	0.2	0.12	3	2.3	<0.2
1180481	Soil Pulp	23	0.45	252	0.002	1	1.17	0.007	0.06	<0.1	0.15	3.8	0.2	0.07	3	1.4	<0.2
1180482	Soil Pulp	20	0.43	136	0.002	2	1.20	0.006	0.07	<0.1	0.07	3.1	0.1	0.06	3	1.5	<0.2
1180483	Soil Pulp	21	0.41	144	0.002	2	1.21	0.006	0.07	<0.1	0.11	3.1	<0.1	0.06	3	0.5	<0.2
1180485	Soil Pulp	22	0.50	118	0.002	<1	1.22	0.006	0.06	<0.1	0.06	3.1	<0.1	0.08	4	0.9	<0.2
1180489	Soil Pulp	15	0.30	681	0.003	6	0.73	0.004	0.10	<0.1	0.32	2.6	0.1	0.10	2	2.8	<0.2
1180490	Soil Pulp	12	0.75	413	0.005	4	0.34	0.003	0.06	0.1	0.35	2.1	1.5	<0.05	<1	2.2	<0.2
1180491	Soil Pulp	10	0.21	321	0.005	4	0.49	0.003	0.08	<0.1	0.22	1.5	0.5	0.08	1	2.7	<0.2
1180492	Soil Pulp	6	0.96	334	0.002	4	0.17	0.002	0.06	0.1	0.29	2.5	0.4	<0.05	<1	1.4	<0.2
1180493	Soil Pulp	16	0.16	340	0.004	2	0.54	0.002	0.07	0.3	0.22	1.6	0.6	<0.05	2	2.2	<0.2
1180494	Soil Pulp	9	0.10	298	0.002	1	0.42	0.002	0.05	0.1	0.78	1.4	0.4	<0.05	1	2.1	<0.2
1180495	Soil Pulp	12	0.14	327	0.002	3	0.58	0.003	0.05	<0.1	0.63	1.4	0.3	<0.05	2	2.2	<0.2
1180533	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1180534	Soil Pulp	13	0.23	813	0.002	4	0.65	0.003	0.10	<0.1	0.32	3.9	0.4	0.12	2	3.3	<0.2
1180535	Soil Pulp	23	0.31	870	0.003	4	0.96	0.006	0.10	<0.1	0.43	4.2	0.3	0.13	2	3.2	<0.2
1180814	Soil Pulp	10	0.55	173	0.134	2	1.50	0.027	0.26	8.7	0.02	3.5	0.4	<0.05	6	0.8	<0.2
1180989	Soil Pulp	12	0.14	226	0.002	4	0.53	0.003	0.08	0.2	1.04	3.9	0.2	0.12	1	3.0	<0.2
1180990	Soil Pulp	19	0.17	499	0.002	7	0.64	0.004	0.10	<0.1	1.44	5.7	0.4	0.17	1	5.8	<0.2
1180994	Soil Pulp	16	0.37	489	0.006	11	0.64	0.005	0.17	<0.1	0.36	1.8	0.5	0.13	2	6.0	<0.2
1180995	Soil Pulp	15	0.24	307	0.006	7	0.75	0.004	0.13	<0.1	0.24	1.8	0.2	0.12	2	4.4	<0.2
1180996	Soil Pulp	17	0.42	355	0.007	8	0.92	0.005	0.14	0.1	0.37	2.1	0.3	0.11	3	3.2	<0.2
1180997	Soil Pulp	16	0.27	510	0.004	7	0.69	0.005	0.16	0.1	0.28	1.0	0.2	0.13	2	4.4	<0.2
1180998	Soil Pulp	17	0.19	524	0.006	8	0.71	0.005	0.17	<0.1	0.33	2.1	0.2	0.14	2	5.9	<0.2
1181130	Soil Pulp	18	0.19	72	0.003	1	1.01	0.007	0.05	<0.1	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1181131	Soil Pulp	29	0.30	191	0.004	2	0.99	0.007	0.06	0.1	0.04	1.3	0.2	0.07	4	2.5	<0.2
1181132	Soil Pulp	20	0.32	97	0.002	2	1.10	0.009	0.05	<0.1	0.01	1.3	<0.1	0.06	4	<0.5	<0.2
1181133	Soil Pulp	9	0.09	96	0.005	<1	0.47	0.017	0.03	<0.1	0.03	0.4	<0.1	<0.05	2	0.7	<0.2
1181134	Soil Pulp	26	0.29	100	0.003	2	1.13	0.006	0.08	<0.1	0.03	2.0	<0.1	0.06	5	0.5	<0.2

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Page: 3 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003684.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1181135	Soil Pulp	1.9	30.6	24.6	97	0.1	31.6	7.4	134	4.72	24.0	2.3	4.7	40	0.1	1.1	0.4	34	0.02	0.128	14
1181136	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1181137	Soil Pulp	0.7	16.2	10.9	28	0.2	12.4	4.0	65	1.30	5.4	<0.5	0.9	13	0.1	0.4	0.2	15	0.02	0.080	5
1181138	Soil Pulp	1.4	23.1	25.8	95	0.3	30.3	9.1	204	4.05	16.1	<0.5	3.3	28	<0.1	0.6	0.3	29	<0.01	0.091	7
1181139	Soil Pulp	1.4	15.8	7.8	23	0.2	4.7	1.3	20	0.86	8.1	37.6	0.2	6	<0.1	1.3	0.1	28	<0.01	0.052	10
1181140	Soil Pulp	1.5	20.4	13.0	74	0.1	24.3	6.7	365	2.14	10.3	1.6	0.5	28	0.3	0.7	0.2	29	0.26	0.099	5
1181141	Soil Pulp	2.7	34.7	17.0	98	0.2	26.2	7.1	194	3.16	26.5	5.0	3.1	17	0.1	3.3	0.3	38	0.02	0.075	11
1181142	Soil Pulp	4.0	27.2	15.6	73	0.2	20.1	4.3	93	2.53	33.4	3.6	2.6	28	0.1	5.4	0.3	43	0.26	0.063	13
1181143	Soil Pulp	1.5	25.8	12.7	43	0.2	15.6	5.5	168	1.79	10.1	<0.5	1.1	30	0.4	1.0	0.2	24	0.52	0.057	5
1181144	Soil Pulp	2.1	17.7	12.4	44	0.2	9.2	2.6	41	1.47	12.8	1.0	0.3	10	0.2	1.8	0.2	38	0.02	0.063	8
1181145	Soil Pulp	3.1	21.1	10.6	42	0.7	8.1	2.2	45	2.83	15.1	2.7	0.9	11	0.1	1.3	0.2	35	0.01	0.053	3
1181146	Soil Pulp	2.2	9.6	14.7	25	0.2	5.8	1.2	36	2.45	9.7	0.6	0.7	9	<0.1	0.7	0.2	39	<0.01	0.066	2
1181149	Soil Pulp	2.3	31.2	16.5	90	0.4	28.6	14.7	649	2.68	13.9	5.3	2.1	25	0.3	1.2	0.3	36	0.14	0.090	7
1181150	Soil Pulp	2.8	48.1	20.2	85	0.2	27.8	18.3	807	2.89	19.3	4.5	1.6	20	0.1	1.5	0.3	32	0.07	0.056	4
1181151	Soil Pulp	1.8	19.0	6.1	32	0.1	8.4	2.1	34	0.94	9.5	3.2	0.2	15	<0.1	1.1	0.2	29	0.09	0.033	5
1181152	Soil Pulp	2.1	42.0	18.8	108	<0.1	34.1	9.8	251	3.56	20.3	3.1	2.2	25	0.1	1.3	0.3	31	0.09	0.068	4
1181153	Soil Pulp	2.1	32.5	14.7	95	0.1	26.7	7.4	173	2.90	23.1	3.5	1.9	14	0.1	2.0	0.2	38	0.02	0.066	5
1181154	Soil Pulp	1.9	17.9	17.8	56	<0.1	13.9	4.4	111	3.02	17.4	7.7	1.1	18	<0.1	1.1	0.2	45	0.03	0.087	4
1181155	Soil Pulp	4.2	15.6	16.5	56	0.1	12.0	4.3	125	3.85	23.4	3.4	1.7	13	<0.1	2.1	0.3	64	0.02	0.095	7
1181156	Soil Pulp	3.9	12.6	21.9	56	0.2	12.4	2.5	88	3.70	16.8	<0.5	1.3	25	0.2	1.1	0.3	44	0.06	0.083	4
1181157	Soil Pulp	1.5	8.6	15.9	62	<0.1	12.7	4.8	102	1.93	7.3	1.9	0.7	13	0.2	0.8	0.2	37	0.03	0.056	5
1181158	Soil Pulp	1.3	10.1	17.2	61	0.1	12.2	4.3	91	2.56	8.9	<0.5	1.2	13	0.2	0.7	0.3	38	0.02	0.076	3
1181159	Soil Pulp	1.4	11.3	15.7	71	<0.1	13.5	4.1	114	2.29	9.9	0.8	0.8	13	0.2	0.9	0.2	34	0.02	0.080	4
1181160	Soil Pulp	6.2	12.6	15.1	107	0.2	19.7	3.8	108	2.25	14.4	1.6	0.7	11	0.6	2.0	0.2	84	0.02	0.088	9
1181161	Soil Pulp	2.6	7.9	11.5	64	0.1	11.0	3.0	94	1.51	8.1	<0.5	0.3	9	0.4	1.1	0.2	51	0.03	0.039	7
1181162	Soil Pulp	2.2	11.3	8.8	38	0.1	8.3	2.2	40	1.12	8.9	<0.5	0.8	9	<0.1	1.0	0.2	39	0.01	0.035	5
1181163	Soil Pulp	3.0	22.9	11.3	80	0.1	19.6	3.8	90	2.15	20.3	<0.5	0.9	17	0.1	2.2	0.2	48	0.02	0.076	5
1181164	Soil Pulp	1.0	8.5	8.2	27	0.1	6.7	2.5	49	0.85	3.5	<0.5	0.2	9	0.1	0.3	0.1	20	0.02	0.052	4
1181165	Soil Pulp	2.0	71.6	14.6	106	0.5	41.0	7.1	488	2.06	46.6	21.9	1.0	77	0.3	5.7	0.2	28	0.49	0.083	8
1181166	Soil Pulp	3.7	32.5	20.6	73	0.2	18.8	3.8	86	4.05	20.0	0.8	2.4	15	0.9	2.4	0.3	33	0.02	0.100	16

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 Report Date: August 25, 2011

Page: 3 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003684.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181135	Soil Pulp	34	0.38	152	0.002	3	1.43	0.008	0.06	<0.1	0.02	2.8	<0.1	0.13	5	<0.5	<0.2
1181136	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1181137	Soil Pulp	10	0.07	115	0.002	1	0.62	0.012	0.04	<0.1	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
1181138	Soil Pulp	23	0.37	113	0.001	1	1.42	0.009	0.06	<0.1	0.02	2.4	0.1	0.06	5	<0.5	<0.2
1181139	Soil Pulp	8	0.01	84	0.006	<1	0.37	0.006	0.03	<0.1	<0.01	0.2	<0.1	<0.05	3	<0.5	<0.2
1181140	Soil Pulp	17	0.26	152	0.002	2	0.91	0.008	0.06	<0.1	0.02	0.8	<0.1	<0.05	3	<0.5	<0.2
1181141	Soil Pulp	22	0.28	141	0.003	2	1.19	0.008	0.05	<0.1	0.02	2.1	0.1	<0.05	4	0.7	<0.2
1181142	Soil Pulp	20	0.22	106	0.004	2	0.67	0.005	0.04	0.1	0.02	1.4	<0.1	0.07	4	1.3	<0.2
1181143	Soil Pulp	15	0.18	163	0.004	1	0.63	0.007	0.05	<0.1	0.05	1.4	<0.1	0.09	3	1.1	<0.2
1181144	Soil Pulp	10	0.02	122	0.002	1	0.51	0.006	0.04	0.1	0.02	0.4	<0.1	<0.05	4	<0.5	<0.2
1181145	Soil Pulp	17	0.10	85	0.002	<1	0.77	0.008	0.04	<0.1	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
1181146	Soil Pulp	13	0.14	76	0.001	<1	0.92	0.006	0.05	<0.1	0.01	1.0	<0.1	<0.05	4	<0.5	<0.2
1181149	Soil Pulp	26	0.35	362	0.004	1	1.13	0.006	0.07	0.1	0.10	2.8	0.1	<0.05	4	<0.5	<0.2
1181150	Soil Pulp	31	0.27	361	0.003	2	1.08	0.006	0.05	<0.1	0.06	2.3	0.1	<0.05	4	<0.5	<0.2
1181151	Soil Pulp	9	0.02	210	0.004	2	0.32	0.007	0.03	0.1	0.03	0.7	<0.1	<0.05	2	<0.5	<0.2
1181152	Soil Pulp	28	0.31	392	0.002	1	1.25	0.006	0.06	<0.1	0.03	2.8	0.1	0.05	4	0.5	<0.2
1181153	Soil Pulp	22	0.23	126	0.003	2	1.00	0.005	0.06	0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
1181154	Soil Pulp	15	0.11	106	0.004	2	0.77	0.008	0.05	<0.1	<0.01	1.8	0.1	0.06	5	<0.5	<0.2
1181155	Soil Pulp	22	0.14	94	0.005	1	1.06	0.005	0.04	0.2	0.04	1.5	0.1	<0.05	6	<0.5	<0.2
1181156	Soil Pulp	23	0.25	163	0.003	<1	1.05	0.007	0.09	<0.1	0.03	1.3	0.2	0.06	5	<0.5	<0.2
1181157	Soil Pulp	8	0.04	84	0.003	<1	0.66	0.007	0.06	<0.1	0.02	1.2	0.1	0.06	4	<0.5	<0.2
1181158	Soil Pulp	12	0.08	107	0.002	<1	0.87	0.007	0.08	<0.1	0.01	1.4	0.1	<0.05	5	<0.5	<0.2
1181159	Soil Pulp	12	0.10	118	0.003	<1	0.82	0.007	0.07	<0.1	0.03	1.2	0.1	<0.05	4	0.6	<0.2
1181160	Soil Pulp	16	0.13	133	0.005	<1	0.85	0.005	0.06	0.1	<0.01	1.0	0.2	<0.05	4	0.6	<0.2
1181161	Soil Pulp	10	0.05	133	0.004	<1	0.61	0.005	0.05	0.1	<0.01	0.6	0.1	<0.05	4	<0.5	<0.2
1181162	Soil Pulp	8	0.05	175	0.003	<1	0.68	0.007	0.04	0.1	0.03	0.9	0.2	<0.05	4	<0.5	<0.2
1181163	Soil Pulp	19	0.18	284	0.004	2	0.88	0.006	0.07	0.1	0.03	1.5	0.1	0.06	4	0.6	<0.2
1181164	Soil Pulp	7	0.04	137	0.002	<1	0.47	0.009	0.04	<0.1	0.02	0.4	<0.1	<0.05	3	<0.5	<0.2
1181165	Soil Pulp	21	0.21	2687	0.004	2	1.01	0.011	0.07	0.2	0.27	3.1	0.2	0.08	3	1.2	<0.2
1181166	Soil Pulp	19	0.13	98	0.003	1	0.95	0.007	0.06	0.7	0.02	1.9	<0.1	0.08	4	0.8	<0.2

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Project: CCJV  
 Report Date: August 25, 2011

Page: 4 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003684.1

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1181167	Soil Pulp	3.0	11.9	11.5	50	0.1	11.3	3.6	131	2.15	13.2	<0.5	1.2	7	0.1	1.4	0.2	75	0.02	0.039	10
1181168	Soil Pulp	2.3	19.3	11.9	77	0.1	15.8	4.5	175	2.77	17.4	<0.5	0.7	7	0.3	1.4	0.2	54	0.02	0.074	6
1181169	Soil Pulp	2.5	11.4	8.5	41	0.2	10.2	2.9	58	1.27	8.9	0.7	0.2	6	0.2	1.0	0.2	49	0.02	0.042	9
1181170	Soil Pulp	1.9	58.0	11.2	122	0.7	34.3	7.3	208	1.85	17.8	8.7	1.1	77	0.8	1.4	0.2	36	0.38	0.071	6
1181171	Soil Pulp	1.7	235.4	14.5	178	1.2	50.3	8.9	255	1.74	22.5	18.1	1.1	184	0.6	2.3	0.2	32	0.97	0.069	6
1181172	Soil Pulp	2.1	69.0	8.4	120	0.7	24.2	5.0	301	1.47	15.2	4.7	1.1	73	0.5	1.5	0.1	43	1.06	0.096	8
1181173	Soil Pulp	4.2	29.8	13.4	141	0.2	21.9	7.0	243	2.36	21.6	1.8	2.4	16	0.7	2.4	0.3	72	0.10	0.070	13
1181174	Soil Pulp	0.8	11.1	4.0	23	0.3	3.7	0.8	25	0.39	3.8	1.8	0.6	14	0.2	0.4	<0.1	25	0.08	0.022	8
1181175	Soil Pulp	4.0	36.4	11.4	136	0.1	29.8	8.0	209	2.45	22.7	5.3	3.0	27	0.4	2.6	0.2	71	0.26	0.071	13
1181176	Soil Pulp	3.0	23.8	9.7	90	0.5	15.1	3.5	78	1.50	27.7	2.7	0.1	9	0.8	2.4	0.2	51	0.02	0.098	5
1181177	Soil Pulp	9.8	14.2	9.0	81	<0.1	16.2	2.7	62	1.67	19.0	0.6	2.3	7	0.3	2.4	0.2	111	0.03	0.029	14
1181178	Soil Pulp	15.2	40.2	12.5	208	0.6	43.4	14.2	602	2.05	12.7	1.8	2.9	48	1.7	3.2	0.2	87	0.77	0.122	14
1181179	Soil Pulp	19.9	19.9	8.0	295	0.2	42.8	2.4	74	1.19	17.1	2.1	0.3	12	1.0	4.8	0.2	127	0.08	0.047	12
1181180	Soil Pulp	8.3	17.0	10.9	104	0.4	19.4	2.8	59	1.24	13.3	3.2	0.3	11	0.4	2.1	0.2	73	0.04	0.068	14
1181181	Soil Pulp	7.6	10.5	14.9	116	0.2	18.3	2.9	107	1.91	16.3	1.9	1.9	14	0.4	1.9	0.2	103	0.06	0.108	11
1181182	Soil Pulp	2.4	4.6	10.8	37	0.2	7.4	1.6	53	1.06	8.9	1.3	0.6	6	<0.1	0.6	0.2	47	0.02	0.048	9
1181183	Soil Pulp	2.3	46.4	9.6	157	0.7	19.6	5.1	195	1.39	5.6	7.4	1.9	59	2.0	0.9	0.2	30	1.01	0.052	8
1181184	Soil Pulp	30.6	110.0	35.2	7119	1.1	149.3	5.7	3517	5.95	57.4	1.3	1.0	69	19.9	9.0	0.2	205	1.31	0.071	7
1181185	Soil Pulp	2.7	29.9	6.2	48	0.3	22.9	7.6	169	2.49	5.8	2.5	0.8	26	0.1	0.9	0.3	30	0.71	0.038	10
1181186	Soil Pulp	44.9	76.6	12.1	707	0.6	170.5	6.5	416	1.58	46.8	3.5	1.9	77	8.8	12.9	0.1	203	1.21	0.099	17
1181187	Soil Pulp	18.4	30.4	24.5	379	1.2	47.0	8.8	741	2.06	24.0	2.4	1.9	45	4.2	4.8	0.2	127	0.31	0.131	11
1181188	Soil Pulp	6.9	32.2	45.4	780	0.6	95.5	3.2	438	0.81	7.4	4.2	0.6	43	24.5	2.3	<0.1	60	0.61	0.079	5
1181189	Soil Pulp	5.9	28.5	41.8	1887	0.7	124.8	3.3	703	1.04	10.3	3.3	1.7	63	21.0	4.0	0.2	114	1.07	0.103	9
1181190	Soil Pulp	9.5	47.7	29.9	2664	1.0	259.7	7.9	627	2.05	18.4	5.6	2.3	64	12.3	5.5	0.2	137	0.61	0.125	10
1181191	Soil Pulp	5.6	7.2	13.7	77	0.3	10.3	0.7	51	0.42	4.8	1.5	0.2	6	0.3	1.5	<0.1	68	0.01	0.029	11
1181192	Soil Pulp	26.9	45.7	17.9	667	1.3	88.7	9.7	608	2.01	19.7	4.9	0.8	37	10.2	7.4	0.2	126	0.36	0.121	8
1181193	Soil Pulp	15.2	21.9	14.1	331	0.9	45.9	3.6	93	1.15	10.1	1.7	1.7	42	1.8	5.3	0.1	102	0.31	0.112	11
1181194	Soil Pulp	8.0	26.2	11.0	155	0.5	27.0	5.1	133	1.70	12.9	8.0	1.9	30	0.8	3.5	0.2	70	0.18	0.112	12
1181195	Soil Pulp	3.0	12.2	9.2	49	0.5	14.2	1.9	26	1.01	8.5	6.2	1.3	19	0.4	1.2	0.1	41	0.14	0.060	6
1181196	Soil Pulp	2.3	20.5	14.3	91	0.5	20.7	5.0	173	1.67	10.4	4.3	1.7	33	0.4	1.2	0.2	48	0.43	0.062	6

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Page: 4 of 9 Part 2

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Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181167	Soil Pulp	15	0.11	120	0.008	<1	1.03	0.003	0.04	0.2	<0.01	1.3	0.2	<0.05	6	<0.5	<0.2
1181168	Soil Pulp	16	0.17	106	0.005	<1	1.01	0.005	0.05	0.2	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1181169	Soil Pulp	8	0.04	112	0.006	<1	0.58	0.005	0.04	0.1	0.02	0.6	0.1	<0.05	4	<0.5	<0.2
1181170	Soil Pulp	19	0.26	497	0.002	3	1.06	0.011	0.09	0.1	0.19	2.5	0.2	0.08	3	1.0	<0.2
1181171	Soil Pulp	22	0.28	731	0.002	1	1.13	0.009	0.08	<0.1	0.30	3.8	0.1	0.07	3	2.0	<0.2
1181172	Soil Pulp	20	0.30	518	0.005	3	1.02	0.011	0.08	0.2	0.12	2.2	0.2	0.11	3	1.6	<0.2
1181173	Soil Pulp	18	0.28	436	0.008	2	0.97	0.004	0.09	0.4	0.04	1.7	0.2	<0.05	4	0.9	<0.2
1181174	Soil Pulp	7	0.06	296	0.007	2	0.37	0.012	0.04	0.1	0.03	0.6	<0.1	<0.05	3	<0.5	<0.2
1181175	Soil Pulp	22	0.34	662	0.004	<1	1.31	0.004	0.07	0.3	0.08	2.3	0.2	<0.05	4	0.6	<0.2
1181176	Soil Pulp	11	0.05	191	0.003	2	0.60	0.004	0.07	<0.1	0.02	0.6	0.1	<0.05	4	0.8	<0.2
1181177	Soil Pulp	10	0.06	225	0.008	<1	0.62	0.003	0.05	0.3	0.03	0.9	0.3	<0.05	5	0.6	<0.2
1181178	Soil Pulp	13	0.30	933	0.006	2	0.72	0.009	0.10	0.1	0.17	2.6	0.4	0.07	2	2.3	<0.2
1181179	Soil Pulp	13	0.08	347	0.005	3	0.49	0.004	0.06	0.2	0.10	0.8	1.0	<0.05	3	1.5	<0.2
1181180	Soil Pulp	9	0.07	207	0.004	2	0.47	0.003	0.06	0.1	0.03	0.9	0.2	<0.05	3	1.2	<0.2
1181181	Soil Pulp	14	0.14	291	0.007	3	0.77	0.003	0.06	0.2	0.01	1.3	0.3	<0.05	4	1.0	<0.2
1181182	Soil Pulp	7	0.07	148	0.003	2	0.57	0.003	0.03	0.1	0.04	0.6	0.2	<0.05	3	<0.5	<0.2
1181183	Soil Pulp	11	0.15	487	0.003	3	0.59	0.005	0.07	0.1	0.16	2.2	0.1	0.07	2	1.7	<0.2
1181184	Soil Pulp	16	0.12	248	0.004	4	0.60	0.006	0.05	<0.1	0.37	3.8	0.4	<0.05	2	8.1	<0.2
1181185	Soil Pulp	4	0.08	350	0.004	2	0.60	0.009	0.03	0.1	0.02	1.7	0.1	<0.05	3	0.8	0.2
1181186	Soil Pulp	14	0.36	652	0.003	4	0.45	0.002	0.06	0.5	0.55	3.1	1.2	<0.05	1	1.8	0.3
1181187	Soil Pulp	19	0.10	461	0.002	3	0.61	0.002	0.06	0.2	0.31	2.6	0.4	<0.05	2	2.8	<0.2
1181188	Soil Pulp	8	0.08	248	0.006	2	0.33	0.015	0.04	0.2	0.25	1.6	0.8	<0.05	1	2.1	<0.2
1181189	Soil Pulp	15	0.15	284	0.004	4	0.50	0.005	0.05	0.2	0.39	1.9	0.5	0.08	1	3.0	<0.2
1181190	Soil Pulp	23	0.14	579	0.003	3	0.87	0.002	0.06	0.2	0.54	3.2	0.7	<0.05	2	4.8	<0.2
1181191	Soil Pulp	8	0.02	86	0.003	2	0.28	0.004	0.04	<0.1	<0.01	0.5	0.3	<0.05	2	1.3	<0.2
1181192	Soil Pulp	15	0.12	615	0.003	2	0.52	0.004	0.05	0.2	0.22	1.6	0.6	<0.05	2	2.9	<0.2
1181193	Soil Pulp	17	0.13	334	0.006	3	0.48	0.007	0.07	0.2	0.28	1.3	0.4	<0.05	2	3.1	<0.2
1181194	Soil Pulp	17	0.24	304	0.005	3	0.82	0.006	0.10	0.3	0.46	2.0	0.4	<0.05	3	1.6	<0.2
1181195	Soil Pulp	11	0.13	255	0.004	1	0.51	0.007	0.04	<0.1	0.23	1.5	0.2	<0.05	2	0.9	<0.2
1181196	Soil Pulp	16	0.19	319	0.002	<1	0.81	0.008	0.05	0.1	0.34	2.2	0.2	<0.05	3	2.0	<0.2

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Page: 5 of 9 Part 1

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Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1181197	Soil Pulp	0.4	4.1	0.8	10	0.1	2.3	0.8	16	0.36	1.1	2.9	<0.1	6	<0.1	0.1	<0.1	13	0.03	0.018	<1
1181198	Soil Pulp	1.0	11.8	7.1	49	0.4	10.5	0.9	15	1.00	26.0	1.1	0.8	29	0.3	2.3	<0.1	12	<0.01	0.028	4
1181844	Soil Pulp	2.5	46.0	13.2	99	0.4	23.2	5.2	149	2.60	18.6	5.1	1.0	10	0.2	1.7	0.2	39	0.04	0.073	6
1181845	Soil Pulp	3.0	71.7	11.9	126	1.0	35.7	8.4	191	2.56	53.7	17.2	0.5	18	0.5	5.3	0.2	41	0.07	0.129	9
1181846	Soil Pulp	3.0	37.9	14.4	168	0.2	33.5	15.6	385	2.92	24.4	8.6	2.6	21	0.6	2.4	0.2	44	0.15	0.102	10
1181847	Soil Pulp	4.1	33.4	10.9	170	0.3	31.1	6.7	169	2.47	24.8	5.0	1.9	19	0.5	3.1	0.2	46	0.15	0.115	10
1181848	Soil Pulp	1.9	23.9	5.3	58	0.5	15.2	13.6	620	1.13	7.6	5.0	0.4	16	0.9	1.0	<0.1	21	0.18	0.090	7
1182461	Soil Pulp	1.3	47.2	26.8	147	1.4	47.5	7.8	297	2.53	16.9	7.0	1.2	192	0.3	1.0	0.2	21	1.15	0.096	2
1182462	Soil Pulp	1.1	34.4	15.4	107	0.9	33.5	5.2	143	1.94	32.0	12.1	0.7	53	0.5	1.2	0.1	20	0.90	0.074	3
1182463	Soil Pulp	3.6	42.3	20.4	168	1.0	68.8	8.9	204	2.64	25.6	7.8	1.7	53	1.0	3.4	0.2	39	0.62	0.061	4
1182464	Soil Pulp	4.0	31.6	12.0	140	0.6	26.5	8.1	445	1.87	12.4	4.1	2.4	50	0.7	2.1	0.2	65	0.37	0.114	10
1182465	Soil Pulp	1.4	42.3	10.9	126	1.1	31.0	4.4	113	1.70	8.6	7.4	2.2	63	0.6	0.7	0.2	57	0.38	0.096	11
1182466	Soil Pulp	3.6	26.6	10.6	139	0.5	23.8	5.9	309	1.55	10.7	1.9	2.2	45	1.4	2.5	0.1	62	0.46	0.114	10
1182467	Soil Pulp	11.8	48.6	19.4	768	0.8	68.3	7.5	435	2.15	17.3	8.1	2.6	59	6.8	4.9	0.2	132	0.56	0.140	15
1182801	Soil Pulp	12.8	89.9	12.0	1450	1.7	159.1	7.1	501	2.61	123.5	14.2	2.0	91	22.2	18.8	0.3	162	0.59	0.246	18
1182802	Soil Pulp	8.8	171.5	23.9	263	18.4	116.3	87.3	1830	5.51	59.7	9.7	2.8	99	1.1	4.8	0.3	52	0.13	0.180	6
1182803	Soil Pulp	23.9	140.9	14.4	917	3.0	181.5	11.1	330	2.83	72.0	8.7	1.8	179	8.7	15.4	0.2	262	1.48	0.258	14
1182804	Soil Pulp	17.9	115.0	11.0	4079	2.0	388.7	36.0	885	2.40	62.6	6.9	1.5	141	20.4	10.7	0.2	207	1.23	0.195	8
1182805	Soil Pulp	20.6	97.4	11.8	1273	1.4	147.9	9.3	263	2.55	31.4	7.7	1.7	70	9.0	10.5	0.2	154	0.93	0.198	13
1182806	Soil Pulp	21.9	131.2	12.0	1520	2.3	171.9	9.2	304	2.36	36.1	7.6	1.5	96	12.1	14.6	0.2	194	0.91	0.212	14
1182807	Soil Pulp	12.9	73.7	8.6	788	0.9	145.2	13.0	387	1.85	46.3	4.5	0.7	89	5.7	7.5	0.2	114	0.40	0.112	2
1183251	Soil Pulp	2.8	14.8	10.9	44	0.1	9.7	3.3	90	2.37	13.6	1.2	0.2	8	<0.1	1.1	0.2	36	0.02	0.054	6
1183252	Soil Pulp	1.5	22.8	9.3	24	0.4	7.3	2.3	65	1.45	6.8	1.5	<0.1	8	0.2	0.4	0.2	18	0.02	0.100	2
1183253	Soil Pulp	2.6	17.3	13.3	47	0.1	12.9	4.6	109	3.36	12.2	1.6	0.4	13	0.1	0.7	0.2	26	0.02	0.082	3
1183254	Soil Pulp	2.1	16.0	9.9	41	0.2	10.0	3.2	98	2.18	9.3	0.9	<0.1	8	<0.1	0.8	0.2	31	0.01	0.057	3
1183255	Soil Pulp	2.8	20.3	12.8	34	0.3	6.9	1.9	28	1.78	13.0	3.7	0.2	8	<0.1	0.8	0.2	36	<0.01	0.056	3
1183256	Soil Pulp	2.7	68.3	13.6	73	0.2	21.0	8.7	461	2.62	15.3	8.3	0.3	13	0.1	2.0	0.3	40	0.03	0.064	6
1183257	Soil Pulp	0.4	15.3	2.9	11	<0.1	3.3	1.8	84	0.60	1.3	2.2	<0.1	4	<0.1	0.2	<0.1	11	0.02	0.023	<1
1183258	Soil Pulp	0.5	25.1	4.9	16	0.6	4.4	1.9	80	0.74	10.0	4.5	<0.1	3	0.1	0.7	<0.1	15	0.02	0.042	1
1183259	Soil Pulp	1.3	35.8	5.2	36	0.2	7.9	2.2	53	1.64	7.1	3.6	<0.1	3	<0.1	0.7	0.1	32	0.01	0.041	2

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Project: CCJV  
 Report Date: August 25, 2011

Page: 5 of 9 Part 2

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VAN11003684.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181197	Soil Pulp	3	0.01	19	0.011	<1	0.12	0.019	0.02	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
1181198	Soil Pulp	11	0.04	65	0.002	<1	0.18	<0.001	0.02	0.2	0.27	1.0	0.1	<0.05	<1	3.2	<0.2
1181844	Soil Pulp	21	0.25	331	0.004	2	0.99	0.006	0.05	0.2	0.06	2.0	0.1	<0.05	3	0.8	<0.2
1181845	Soil Pulp	24	0.28	629	0.003	<1	1.19	0.005	0.07	0.1	0.20	1.7	0.2	<0.05	3	0.6	<0.2
1181846	Soil Pulp	22	0.34	365	0.004	3	1.09	0.005	0.09	0.3	0.13	3.2	0.1	<0.05	3	0.6	<0.2
1181847	Soil Pulp	22	0.32	256	0.005	2	0.95	0.004	0.10	0.2	0.08	2.3	0.1	<0.05	4	<0.5	<0.2
1181848	Soil Pulp	10	0.10	347	0.006	1	0.58	0.015	0.05	0.1	0.13	1.2	<0.1	<0.05	2	<0.5	<0.2
1182461	Soil Pulp	29	0.47	346	0.002	4	1.20	0.004	0.08	<0.1	0.18	3.0	0.1	0.06	3	5.1	<0.2
1182462	Soil Pulp	18	0.22	463	0.002	2	0.79	0.004	0.06	0.1	0.49	2.1	<0.1	<0.05	2	2.4	<0.2
1182463	Soil Pulp	20	0.27	600	0.002	1	1.16	0.005	0.09	<0.1	1.72	3.1	0.3	<0.05	3	3.3	<0.2
1182464	Soil Pulp	18	0.32	607	0.004	4	0.95	0.005	0.12	0.3	0.33	2.5	0.2	<0.05	3	1.5	<0.2
1182465	Soil Pulp	20	0.35	342	0.006	1	1.25	0.005	0.10	0.4	0.35	3.1	0.3	<0.05	4	1.8	<0.2
1182466	Soil Pulp	15	0.23	512	0.004	2	0.70	0.004	0.08	0.4	0.41	1.9	0.4	<0.05	2	2.0	<0.2
1182467	Soil Pulp	21	0.30	740	0.005	2	1.04	0.007	0.14	0.3	0.32	2.8	0.5	<0.05	3	2.2	<0.2
1182801	Soil Pulp	30	0.23	1090	0.014	3	1.16	0.007	0.17	2.5	0.44	2.5	0.6	<0.05	3	5.9	0.2
1182802	Soil Pulp	48	0.10	491	0.002	3	1.44	0.009	0.11	0.1	0.72	18.4	0.6	0.32	2	3.8	<0.2
1182803	Soil Pulp	42	0.42	818	0.004	7	0.59	0.004	0.11	0.2	1.15	4.0	0.9	0.12	2	8.2	<0.2
1182804	Soil Pulp	24	0.28	1145	0.003	6	0.71	0.003	0.11	0.2	1.94	4.0	1.2	0.14	2	7.8	0.2
1182805	Soil Pulp	19	0.21	498	0.003	6	0.41	0.003	0.08	0.2	0.48	3.0	0.6	0.06	1	5.2	<0.2
1182806	Soil Pulp	22	0.17	559	0.003	6	0.41	0.003	0.07	0.1	0.53	2.6	0.5	0.07	1	6.8	<0.2
1182807	Soil Pulp	12	0.07	565	0.001	5	0.42	0.002	0.07	<0.1	1.52	2.2	1.0	0.16	1	4.0	<0.2
1183251	Soil Pulp	12	0.09	64	0.006	5	0.80	0.005	0.03	0.2	0.03	0.5	<0.1	<0.05	4	0.6	<0.2
1183252	Soil Pulp	9	0.03	71	<0.001	3	0.61	0.007	0.02	<0.1	0.05	<0.1	<0.1	<0.05	2	<0.5	<0.2
1183253	Soil Pulp	17	0.13	65	0.007	3	0.61	0.007	0.04	<0.1	0.04	1.0	<0.1	<0.05	3	0.7	<0.2
1183254	Soil Pulp	12	0.05	47	0.006	3	0.46	0.005	0.03	<0.1	0.02	0.3	<0.1	<0.05	3	0.5	<0.2
1183255	Soil Pulp	10	0.02	70	0.003	2	0.55	0.003	0.03	0.1	0.03	0.5	<0.1	<0.05	4	0.7	<0.2
1183256	Soil Pulp	21	0.15	130	0.011	2	0.85	0.005	0.03	0.2	0.04	0.8	0.1	<0.05	4	1.2	<0.2
1183257	Soil Pulp	6	0.02	50	0.008	4	0.23	0.014	0.02	<0.1	0.03	0.1	<0.1	<0.05	1	<0.5	<0.2
1183258	Soil Pulp	8	0.04	34	0.007	3	0.58	0.012	0.02	<0.1	0.03	0.2	<0.1	<0.05	2	<0.5	<0.2
1183259	Soil Pulp	12	0.02	36	0.006	2	0.35	0.008	0.02	<0.1	0.03	0.3	<0.1	<0.05	3	<0.5	<0.2

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Project: CCJV  
 Report Date: August 25, 2011

Page: 6 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003684.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1183260	Soil Pulp	1.9	59.4	7.4	57	0.1	10.6	3.5	121	1.66	10.8	5.8	<0.1	6	0.1	1.2	0.2	44	0.02	0.030	3
1183261	Soil Pulp	3.3	28.1	9.1	65	0.1	11.1	3.2	52	2.52	13.4	4.7	0.7	7	<0.1	1.3	0.2	53	<0.01	0.039	4
1183262	Soil Pulp	3.1	97.7	20.3	157	0.5	21.4	24.7	1347	6.40	11.3	5.5	1.2	6	0.6	1.6	0.4	71	0.02	0.103	3
1183263	Soil Pulp	0.3	6.8	1.7	7	0.1	2.0	0.7	15	0.27	0.7	1.4	<0.1	4	<0.1	0.2	<0.1	8	0.02	0.033	<1
1183264	Soil Pulp	3.0	27.6	10.6	52	0.5	10.6	4.5	282	2.44	18.4	1.9	<0.1	8	0.2	1.3	0.2	49	0.02	0.062	4
1183265	Soil Pulp	0.1	4.1	1.1	8	0.2	1.5	0.6	65	0.21	<0.5	1.8	<0.1	6	0.3	<0.1	<0.1	6	0.02	0.052	<1
1183266	Soil Pulp	2.9	40.0	17.4	132	0.6	16.5	19.0	2111	2.59	14.0	2.3	0.2	10	1.1	1.5	0.3	50	0.03	0.069	5
1183267	Soil Pulp	2.9	67.7	20.0	141	0.4	27.8	13.6	793	3.09	16.9	5.7	0.2	21	1.5	2.0	0.3	34	0.08	0.139	3
1183268	Soil Pulp	0.4	13.6	3.4	22	0.2	5.6	2.1	497	0.40	0.6	1.2	<0.1	6	0.5	<0.1	<0.1	9	0.02	0.046	1
1183269	Soil Pulp	3.0	78.2	32.4	117	0.9	37.8	49.3	1951	3.10	14.0	10.3	0.7	27	0.4	1.5	0.3	27	0.07	0.139	4
1183270	Soil Pulp	1.1	30.4	12.8	119	0.2	27.0	7.3	192	2.37	11.2	2.4	0.8	6	0.3	1.3	0.2	26	0.02	0.060	1
1183271	Soil Pulp	0.7	6.9	4.2	20	0.3	3.2	2.0	97	0.68	5.2	1.6	<0.1	6	0.2	0.4	<0.1	15	0.02	0.026	2
1183272	Soil Pulp	0.9	12.3	6.8	43	0.2	6.8	2.3	148	1.20	31.8	1.9	<0.1	11	0.4	1.0	0.1	24	0.01	0.072	3
1183273	Soil Pulp	1.5	26.5	16.0	250	1.8	66.3	10.3	386	2.54	22.3	4.9	0.8	48	6.5	2.9	0.1	30	0.67	0.174	10
1183274	Soil Pulp	1.6	12.9	15.6	91	0.3	26.1	5.8	284	3.34	9.2	<0.5	0.5	20	0.6	0.9	0.2	43	0.21	0.120	3
1183275	Soil Pulp	0.6	9.8	5.2	43	0.4	9.4	3.2	341	0.80	2.3	0.6	<0.1	24	0.8	0.6	<0.1	10	0.41	0.108	2
1183276	Soil Pulp	1.2	14.1	8.9	39	0.3	7.5	2.1	55	0.87	16.8	<0.5	<0.1	8	0.2	0.9	0.1	23	0.02	0.038	2
1183277	Soil Pulp	0.5	7.5	5.1	6	0.7	1.5	0.2	5	0.22	1.7	1.2	<0.1	11	0.2	0.3	<0.1	11	<0.01	0.030	<1
1183278	Soil Pulp	1.2	15.8	13.5	30	0.6	6.6	1.5	25	0.65	17.9	1.7	<0.1	11	0.2	1.6	<0.1	20	0.01	0.046	3
1183279	Soil Pulp	1.1	38.7	4.4	49	0.5	21.3	3.4	118	0.76	2.8	2.2	0.3	114	3.4	0.8	<0.1	24	3.03	0.071	3
1183280	Soil Pulp	10.8	18.7	6.7	258	<0.1	43.7	5.5	141	1.51	10.2	1.0	1.2	10	2.2	1.6	0.1	71	0.14	0.038	8
1183281	Soil Pulp	7.0	36.2	2.8	89	0.2	48.5	2.4	116	0.59	5.4	<0.5	0.2	109	2.2	1.5	<0.1	34	2.76	0.047	5
1183282	Soil Pulp	6.6	19.3	2.7	75	<0.1	27.0	2.2	107	0.48	3.5	1.2	0.1	86	2.6	1.0	<0.1	17	2.11	0.044	3
1183283	Soil Pulp	5.3	19.3	1.9	46	<0.1	22.8	2.0	161	0.46	2.1	<0.5	0.1	132	1.0	0.9	<0.1	12	3.04	0.063	3
1183284	Soil Pulp	3.7	9.0	2.2	29	<0.1	9.0	0.7	14	0.33	1.2	<0.5	0.2	67	1.1	0.5	0.1	11	1.30	0.040	2
1183285	Soil Pulp	5.2	33.0	5.1	122	0.2	39.2	5.3	319	1.00	5.6	<0.5	0.7	96	1.5	1.8	0.1	33	2.18	0.078	6
1183286	Soil Pulp	10.8	31.9	7.9	208	0.4	38.0	6.9	182	1.46	11.0	1.7	1.0	63	1.5	2.1	0.2	50	1.11	0.080	8
1183287	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1183288	Soil Pulp	4.4	29.7	7.8	88	0.6	22.7	5.1	111	1.32	6.0	0.9	1.7	16	0.6	1.1	0.1	28	0.20	0.037	10
1183289	Soil Pulp	15.8	30.0	6.9	298	0.3	64.3	6.2	219	1.53	12.0	0.8	1.2	53	2.0	1.9	0.1	62	1.18	0.064	10

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Page: 6 of 9 Part 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15															
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183260	Soil Pulp	11	0.03	54	0.008	2	0.46	0.007	0.02	0.1	0.01	0.5	<0.1	<0.05	4	0.6	<0.2
1183261	Soil Pulp	18	0.02	59	0.005	2	0.51	0.002	0.02	<0.1	0.02	1.2	<0.1	<0.05	5	1.3	<0.2
1183262	Soil Pulp	62	0.12	122	0.014	2	1.40	0.005	0.04	0.1	0.05	1.6	<0.1	<0.05	9	0.8	<0.2
1183263	Soil Pulp	1	0.01	39	0.003	<1	0.12	0.011	0.01	<0.1	0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
1183264	Soil Pulp	19	0.04	125	0.004	1	0.57	0.005	0.03	<0.1	0.03	0.2	<0.1	<0.05	5	0.8	<0.2
1183265	Soil Pulp	1	0.01	38	0.002	<1	0.14	0.013	0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
1183266	Soil Pulp	21	0.07	503	0.005	2	0.89	0.005	0.05	0.1	0.04	0.5	<0.1	<0.05	5	<0.5	<0.2
1183267	Soil Pulp	31	0.11	553	0.003	2	0.71	0.003	0.05	<0.1	0.04	0.4	<0.1	<0.05	3	1.0	<0.2
1183268	Soil Pulp	3	0.02	142	0.005	2	0.25	0.013	0.02	<0.1	0.04	<0.1	<0.1	<0.05	2	<0.5	<0.2
1183269	Soil Pulp	23	0.23	1117	0.008	3	1.22	0.004	0.07	<0.1	0.16	1.7	0.2	0.08	3	1.5	<0.2
1183270	Soil Pulp	20	0.29	138	0.001	1	1.02	0.003	0.03	<0.1	0.02	1.9	<0.1	<0.05	3	0.6	<0.2
1183271	Soil Pulp	4	0.02	65	0.013	1	0.55	0.011	0.02	<0.1	0.04	0.2	<0.1	<0.05	3	<0.5	<0.2
1183272	Soil Pulp	7	0.04	64	0.002	1	0.36	0.007	0.03	0.3	0.01	0.1	<0.1	<0.05	2	<0.5	<0.2
1183273	Soil Pulp	22	0.16	331	0.005	1	0.87	0.005	0.04	<0.1	0.16	1.7	<0.1	0.06	2	2.1	<0.2
1183274	Soil Pulp	15	0.17	272	0.005	2	0.74	0.005	0.02	<0.1	0.02	1.0	<0.1	<0.05	3	1.4	<0.2
1183275	Soil Pulp	5	0.04	131	0.004	2	0.44	0.014	0.02	<0.1	0.05	0.2	<0.1	0.07	2	1.0	<0.2
1183276	Soil Pulp	5	0.01	69	0.003	1	0.20	0.007	0.02	<0.1	0.02	0.1	<0.1	<0.05	2	0.7	<0.2
1183277	Soil Pulp	5	<0.01	62	0.003	1	0.13	0.005	0.01	<0.1	0.03	0.1	<0.1	<0.05	1	0.6	<0.2
1183278	Soil Pulp	5	0.01	95	0.002	2	0.31	0.005	0.02	<0.1	0.02	0.2	<0.1	<0.05	2	0.7	<0.2
1183279	Soil Pulp	7	0.41	520	0.006	5	0.57	0.007	0.03	<0.1	0.09	1.0	<0.1	0.24	1	1.7	<0.2
1183280	Soil Pulp	15	0.18	334	0.004	3	0.85	0.004	0.05	0.2	0.05	1.4	0.5	<0.05	3	0.9	<0.2
1183281	Soil Pulp	7	0.18	427	0.005	4	0.44	0.011	0.02	<0.1	0.11	0.6	0.2	0.11	1	2.1	<0.2
1183282	Soil Pulp	6	0.14	286	0.005	3	0.30	0.011	0.02	<0.1	0.10	0.5	0.2	0.12	<1	1.5	<0.2
1183283	Soil Pulp	5	0.21	276	0.006	4	0.37	0.009	0.02	<0.1	0.08	0.3	0.1	0.20	<1	1.5	<0.2
1183284	Soil Pulp	5	0.11	175	0.007	1	0.28	0.009	0.02	<0.1	0.05	0.4	<0.1	0.12	1	1.1	<0.2
1183285	Soil Pulp	9	0.32	670	0.004	4	0.56	0.006	0.05	0.1	0.09	1.3	0.2	0.13	1	1.2	<0.2
1183286	Soil Pulp	11	0.18	582	0.004	3	0.58	0.004	0.06	0.1	0.11	1.7	0.2	0.11	2	1.1	<0.2
1183287	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1183288	Soil Pulp	8	0.08	647	0.003	2	0.61	0.010	0.06	<0.1	0.05	1.4	<0.1	<0.05	2	0.7	<0.2
1183289	Soil Pulp	17	0.27	637	0.005	4	0.80	0.007	0.08	0.2	0.10	2.0	0.4	0.06	2	1.1	<0.2

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Project: CCJV  
 Report Date: August 25, 2011

Page: 7 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003684.1

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1183290	Soil Pulp	41.3	20.6	5.9	495	<0.1	87.0	4.1	83	1.12	21.0	<0.5	1.1	10	3.3	7.8	0.1	428	0.15	0.014	10
1183291	Soil Pulp	3.3	22.2	7.2	73	1.3	14.1	3.5	74	1.29	4.4	<0.5	0.5	7	1.5	1.2	0.1	28	0.07	0.054	6
1183292	Soil Pulp	3.4	13.7	9.4	128	1.1	11.5	3.1	46	0.72	1.8	<0.5	0.1	20	4.4	0.6	0.1	86	0.10	0.094	5
1183293	Soil Pulp	6.6	34.8	16.2	137	0.5	42.6	14.7	234	3.99	11.1	<0.5	3.2	40	0.6	1.7	0.2	44	0.14	0.050	10
1183294	Soil Pulp	11.6	21.1	2.8	79	<0.1	38.7	4.0	379	0.59	4.7	<0.5	0.2	28	2.6	1.1	<0.1	59	0.50	0.034	4
1183295	Soil Pulp	29.7	52.5	12.8	768	0.5	98.4	9.1	340	1.98	28.0	1.1	2.8	25	12.7	9.3	0.2	764	0.39	0.062	15
1183296	Soil Pulp	3.8	15.4	6.7	167	1.1	14.7	5.4	227	1.25	6.5	<0.5	0.7	13	4.7	1.0	0.1	57	0.16	0.066	6
1183297	Soil Pulp	18.2	32.0	10.7	802	0.1	79.8	7.3	175	2.42	23.2	1.2	4.0	13	4.2	4.8	0.3	283	0.11	0.057	18
1183427	Soil Pulp	3.3	16.5	8.4	102	0.1	16.7	5.0	126	2.01	81.8	<0.5	1.1	6	0.5	1.3	0.2	44	0.03	0.037	9
1183509	Soil Pulp	10.7	40.4	15.2	172	0.9	37.1	5.8	166	2.49	21.3	4.8	0.4	20	0.4	3.7	0.2	87	0.06	0.111	8
1183885	Soil Pulp	10.2	29.3	21.8	154	0.7	26.5	2.9	88	3.05	66.5	2.0	0.5	34	0.4	5.9	0.6	282	0.07	0.220	10
1185879	Soil Pulp	2.8	44.9	37.0	96	0.7	15.7	11.4	622	3.34	435.7	74.2	7.2	15	0.3	16.7	1.0	33	0.17	0.098	24
1185880	Soil Pulp	7.8	131.2	37.4	90	0.3	15.6	4.0	160	18.11	308.0	36.5	4.8	5	<0.1	12.7	0.8	57	0.02	0.224	7
1185881	Soil Pulp	5.6	64.8	14.6	60	0.3	15.1	4.6	209	11.09	54.9	5.9	4.2	13	<0.1	2.8	0.3	35	0.05	0.185	10
1185882	Soil Pulp	4.4	180.9	23.1	159	0.5	53.0	15.3	438	10.13	260.9	73.6	5.3	30	<0.1	9.2	0.7	73	0.03	0.159	14
1185883	Soil Pulp	3.6	159.5	12.5	153	0.7	47.3	16.1	759	4.89	456.6	62.3	1.2	12	0.2	7.6	0.3	45	0.04	0.096	13
1185884	Soil Pulp	3.1	94.8	14.0	137	0.6	51.1	18.7	1436	2.95	161.8	17.6	0.6	12	0.2	27.2	0.2	47	0.05	0.097	12
1185885	Soil Pulp	13.7	215.3	19.3	227	0.3	71.0	18.9	1023	4.67	120.9	31.0	1.2	161	0.2	10.0	0.5	71	0.24	0.078	15
1185886	Soil Pulp	2.5	118.5	15.1	188	0.5	103.5	33.3	975	3.60	36.1	13.8	3.3	189	0.2	3.7	0.3	72	0.65	0.092	11
1185887	Soil Pulp	3.3	107.3	16.4	168	0.3	74.5	24.4	1122	3.49	58.8	10.0	3.0	120	0.2	7.7	0.3	70	0.15	0.082	15
1370131	Soil Pulp	3.7	8.0	8.9	56	0.3	6.0	1.3	30	0.88	17.3	7.5	1.2	16	2.6	3.8	0.2	68	0.06	0.027	11
1370132	Soil Pulp	9.2	19.2	15.2	179	4.5	20.0	5.0	162	2.75	44.6	7.0	2.8	31	1.0	8.1	0.3	153	0.08	0.181	14
1370133	Soil Pulp	6.1	10.3	12.9	55	1.3	8.8	1.9	78	1.78	45.6	2.0	0.2	25	0.6	4.7	0.3	130	0.10	0.165	10
1370138	Soil Pulp	9.9	17.1	16.8	116	3.8	16.1	3.0	120	3.16	60.0	3.1	1.5	19	1.3	6.5	0.3	146	0.04	0.169	12
1370139	Soil Pulp	10.7	28.7	17.2	217	1.0	39.7	4.5	92	2.83	41.6	9.1	3.2	15	1.7	5.1	0.4	153	0.02	0.064	16
1370140	Soil Pulp	11.6	14.2	24.9	156	0.8	22.5	3.9	152	2.72	73.7	0.6	2.2	13	2.5	5.0	0.7	193	0.06	0.163	15
1370141	Soil Pulp	15.9	66.9	14.1	354	1.5	63.1	4.4	78	2.26	69.1	6.6	2.6	51	2.2	12.6	0.5	169	0.11	0.156	17
1370142	Soil Pulp	5.4	55.6	14.4	257	1.6	42.1	6.8	302	1.99	51.5	8.1	2.2	104	2.6	7.9	0.3	155	0.76	0.171	15
1370143	Soil Pulp	7.1	53.4	11.4	337	0.8	55.7	9.0	407	2.25	49.6	9.5	3.0	48	4.9	8.6	0.4	84	0.27	0.114	19
1370243	Soil Pulp	16.1	57.0	16.0	59	1.3	12.0	2.2	59	3.32	188.7	28.5	0.3	87	0.1	41.9	0.3	108	0.04	0.199	14

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Project: CCJV  
 Report Date: August 25, 2011

Page: 7 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003684.1

Method	Analyte	1DX15															
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183290	Soil Pulp	29	0.13	323	0.008	2	0.72	0.011	0.06	0.2	0.02	1.2	1.3	<0.05	3	1.8	<0.2
1183291	Soil Pulp	5	0.05	240	0.005	<1	0.36	0.010	0.07	<0.1	0.02	0.8	<0.1	<0.05	2	0.5	<0.2
1183292	Soil Pulp	16	0.07	316	0.005	<1	0.57	0.012	0.06	<0.1	0.02	0.2	0.2	<0.05	3	0.6	<0.2
1183293	Soil Pulp	17	0.15	1786	0.002	3	0.95	0.005	0.11	<0.1	0.05	2.9	0.2	0.13	3	0.9	<0.2
1183294	Soil Pulp	10	0.09	344	0.009	3	0.46	0.016	0.04	0.1	0.02	0.8	0.3	<0.05	2	0.6	<0.2
1183295	Soil Pulp	71	0.55	440	0.009	6	1.43	0.006	0.15	0.4	0.08	3.4	0.8	<0.05	5	2.7	<0.2
1183296	Soil Pulp	11	0.15	370	0.007	2	0.73	0.010	0.07	0.2	0.03	0.9	0.2	<0.05	3	1.0	<0.2
1183297	Soil Pulp	26	0.33	638	0.007	1	1.15	0.003	0.10	0.3	0.03	2.0	0.6	<0.05	4	1.2	<0.2
1183427	Soil Pulp	10	0.08	293	0.006	1	0.77	0.006	0.05	0.2	<0.01	1.0	0.2	<0.05	3	<0.5	<0.2
1183509	Soil Pulp	20	0.18	151	0.005	3	0.84	0.003	0.09	0.1	0.14	0.5	0.3	<0.05	4	1.6	<0.2
1183885	Soil Pulp	41	0.11	333	0.024	3	1.07	0.003	0.08	0.6	0.09	1.2	0.4	<0.05	8	5.1	<0.2
1185879	Soil Pulp	14	0.40	124	0.040	2	1.98	0.008	0.14	8.3	0.04	3.5	0.3	<0.05	6	0.9	<0.2
1185880	Soil Pulp	37	0.20	41	0.018	<1	1.21	0.004	0.05	2.2	0.01	4.9	0.1	0.11	7	3.6	<0.2
1185881	Soil Pulp	21	0.43	67	0.044	<1	2.19	0.012	0.15	0.2	0.02	2.7	0.3	0.31	7	2.3	<0.2
1185882	Soil Pulp	83	0.65	536	0.050	<1	3.01	0.013	0.32	0.2	0.02	5.0	0.4	0.15	8	4.6	<0.2
1185883	Soil Pulp	37	0.46	249	0.024	<1	1.54	0.005	0.08	0.3	0.02	2.0	0.2	<0.05	4	2.1	<0.2
1185884	Soil Pulp	42	0.36	343	0.013	<1	1.36	0.008	0.05	0.2	0.04	1.8	0.2	<0.05	4	1.7	<0.2
1185885	Soil Pulp	48	0.59	780	0.038	<1	2.00	0.007	0.16	0.2	0.02	2.1	0.2	0.08	7	2.6	0.2
1185886	Soil Pulp	66	0.91	2047	0.099	<1	3.33	0.023	0.33	0.4	0.02	4.9	0.2	<0.05	8	1.8	<0.2
1185887	Soil Pulp	62	0.74	1871	0.054	<1	2.23	0.007	0.22	0.2	0.03	4.2	0.4	<0.05	7	1.8	<0.2
1370131	Soil Pulp	8	0.05	166	0.039	<1	0.42	0.005	0.05	5.1	<0.01	0.6	0.2	<0.05	4	1.0	<0.2
1370132	Soil Pulp	32	0.26	296	0.019	<1	1.64	0.004	0.08	1.7	0.25	1.8	0.3	<0.05	5	3.5	0.2
1370133	Soil Pulp	18	0.09	272	0.012	1	0.68	0.005	0.05	0.9	0.05	0.5	0.3	<0.05	5	1.8	<0.2
1370138	Soil Pulp	22	0.15	212	0.021	<1	1.07	0.003	0.06	3.2	0.10	1.2	0.3	<0.05	7	3.2	<0.2
1370139	Soil Pulp	23	0.13	296	0.008	<1	1.13	0.003	0.06	1.0	0.03	1.7	0.3	<0.05	5	2.0	<0.2
1370140	Soil Pulp	25	0.13	228	0.011	<1	0.80	0.003	0.07	0.6	0.03	1.2	0.3	<0.05	5	1.5	<0.2
1370141	Soil Pulp	31	0.27	510	0.017	2	1.20	0.005	0.14	2.2	0.19	1.8	0.7	<0.05	4	7.4	<0.2
1370142	Soil Pulp	36	0.33	1160	0.012	4	1.23	0.008	0.15	1.6	0.41	2.2	0.4	<0.05	4	3.6	<0.2
1370143	Soil Pulp	24	0.29	1537	0.022	4	1.16	0.008	0.18	1.4	0.25	2.5	0.3	<0.05	3	2.2	<0.2
1370243	Soil Pulp	30	0.06	796	0.003	2	0.57	0.004	0.15	0.4	0.17	1.0	0.8	0.27	3	6.7	<0.2

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Project: CCJV  
 Report Date: August 25, 2011

Page: 8 of 9 Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 P	1DX15 La
		ppm		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1		0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1370244	Soil Pulp	22.3	212.4	20.0	363	4.3	98.7	9.9	120	5.78	93.6	11.6	2.9	375	0.7	26.1	0.3	104	0.14	0.557	15		
1370245	Soil Pulp	19.3	137.7	21.3	453	2.8	91.3	12.0	121	5.69	122.4	24.2	2.0	474	0.7	40.9	0.4	63	0.05	0.238	21		
1370246	Soil Pulp	5.0	132.5	19.0	150	0.4	32.3	9.1	567	7.79	154.2	20.9	4.1	104	0.3	7.6	0.3	34	0.01	0.191	9		
1370247	Soil Pulp	5.1	94.3	19.6	196	0.7	54.0	11.2	228	4.22	52.2	8.9	1.4	32	0.3	3.4	0.3	17	<0.01	0.136	14		
1370284	Soil Pulp	3.5	46.2	11.0	117	0.5	31.1	11.8	330	2.59	99.1	14.4	1.9	18	0.4	5.1	0.3	41	0.08	0.073	15		
1370285	Soil Pulp	2.7	12.0	8.4	55	0.2	11.6	3.0	93	2.00	29.0	1.5	1.2	6	0.3	1.8	0.2	66	0.02	0.061	10		
1370286	Soil Pulp	5.1	18.0	13.2	101	0.6	16.8	4.2	101	3.38	47.6	1.2	2.7	11	1.5	2.9	0.3	100	0.02	0.114	12		
1370287	Soil Pulp	5.6	16.1	12.0	96	0.5	19.2	3.5	113	2.91	42.9	2.6	2.0	12	0.4	3.1	0.3	93	0.02	0.135	11		
1370288	Soil Pulp	19.9	10.2	9.1	35	1.4	5.6	0.9	21	0.64	12.9	<0.5	0.6	90	0.6	6.4	0.2	71	0.03	0.065	11		
1370289	Soil Pulp	0.3	10.4	0.6	5	0.6	2.5	0.7	11	0.23	<0.5	<0.5	<0.1	6	0.1	0.1	<0.1	11	0.02	0.026	<1		
1370290	Soil Pulp	10.6	10.5	13.4	44	3.1	9.8	1.2	23	0.78	11.2	<0.5	0.2	30	0.9	2.6	0.2	95	0.02	0.058	13		
1370291	Soil Pulp	40.2	29.7	21.5	53	16.2	9.1	0.5	12	1.55	22.8	6.0	0.3	37	1.2	6.3	0.3	789	0.01	0.253	24		
1370292	Soil Pulp	12.5	23.0	7.8	668	1.4	119.1	4.9	72	2.52	56.9	8.5	3.2	8	2.8	10.3	0.2	90	0.06	0.071	20		
1370293	Soil Pulp	7.8	11.4	8.6	111	0.6	19.6	1.6	39	0.80	37.6	<0.5	1.0	14	0.8	2.4	0.1	102	0.03	0.043	16		
1370294	Soil Pulp	5.8	16.9	4.9	76	1.9	26.8	1.2	17	0.66	11.9	<0.5	0.2	4	1.3	2.2	0.1	102	0.01	0.032	11		
1370295	Soil Pulp	12.2	64.2	11.5	634	2.1	174.3	7.3	446	1.89	41.7	2.2	1.4	59	5.3	7.4	0.2	209	1.55	0.104	9		
1370296	Soil Pulp	0.7	23.5	1.3	95	0.2	27.3	0.8	69	0.27	<0.5	2.8	0.1	112	4.2	2.1	0.7	7	2.38	0.054	2		
1370297	Soil Pulp	2.9	11.6	3.6	59	0.2	9.4	2.8	50	1.09	4.0	<0.5	0.9	15	2.0	0.4	0.2	27	0.16	0.031	7		
1370298	Soil Pulp	7.0	24.9	23.4	114	0.4	24.8	4.1	53	1.43	18.0	1.5	0.4	32	0.2	2.5	0.2	68	<0.01	0.058	16		
1370299	Soil Pulp	10.3	15.7	10.3	92	0.7	22.7	2.7	44	1.81	18.8	1.1	1.9	6	0.3	2.7	0.2	104	0.01	0.037	18		
1370300	Soil Pulp	23.9	22.8	11.5	561	0.4	73.0	15.8	659	2.75	81.4	3.3	0.5	22	2.4	4.3	0.2	68	0.09	0.140	5		
1370301	Soil Pulp	4.1	58.2	9.6	375	1.0	65.7	11.3	245	3.56	9.9	1.3	3.1	26	9.0	2.5	0.2	22	0.38	0.032	18		
1370302	Soil Pulp	13.7	13.6	10.2	86	1.1	21.8	2.4	38	1.55	20.7	0.9	0.7	8	0.2	3.2	0.2	101	0.02	0.036	17		
1370303	Soil Pulp	13.8	43.7	7.5	3077	0.7	248.0	25.7	1395	2.85	46.0	<0.5	0.7	191	5.2	5.0	<0.1	76	11.36	0.080	3		
1370304	Soil Pulp	42.5	14.6	9.7	657	1.7	61.6	1.7	50	1.26	29.7	<0.5	0.1	8	7.1	13.3	0.1	991	0.04	0.066	13		
1370305	Soil Pulp	46.2	11.3	12.3	197	1.2	39.7	1.5	20	1.30	15.2	<0.5	0.3	13	2.4	8.6	0.2	856	0.02	0.047	21		
1370306	Soil Pulp	3.0	57.9	29.6	268	2.0	45.4	11.7	569	7.07	20.6	3.7	4.1	2	1.3	5.5	0.2	14	<0.01	0.036	24		
1370307	Soil Pulp	1.6	10.6	1.7	14	1.8	3.3	0.6	11	0.26	0.9	<0.5	<0.1	8	0.8	0.3	<0.1	29	0.03	0.020	3		
1370308	Soil Pulp	37.8	28.3	19.7	373	0.7	78.9	4.3	76	2.84	45.7	2.0	0.5	12	1.5	11.1	0.2	365	0.02	0.115	13		
1370309	Soil Pulp	7.6	20.8	11.3	128	0.4	23.0	3.0	34	1.42	10.0	0.7	1.4	10	1.4	2.6	0.2	73	0.01	0.041	12		

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Page: 8 of 9 Part 2

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VAN11003684.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1370244	Soil Pulp	44	0.08	123	0.006	3	1.60	0.017	0.39	0.6	1.22	7.7	1.6	0.88	3	11.4	<0.2
1370245	Soil Pulp	30	0.03	961	0.003	3	0.98	0.006	0.17	0.6	0.45	4.1	1.4	0.33	3	6.4	0.4
1370246	Soil Pulp	25	0.03	327	0.002	3	0.54	0.014	0.20	0.1	0.12	12.1	0.5	0.49	2	3.6	<0.2
1370247	Soil Pulp	11	0.03	266	0.002	3	0.43	0.004	0.08	<0.1	0.15	2.6	0.2	0.13	1	3.0	<0.2
1370284	Soil Pulp	23	0.34	390	0.030	2	1.16	0.008	0.11	1.6	0.05	1.8	0.2	0.06	3	0.9	<0.2
1370285	Soil Pulp	19	0.12	153	0.010	2	1.08	0.003	0.04	1.1	0.05	0.9	0.2	<0.05	5	1.2	<0.2
1370286	Soil Pulp	21	0.14	328	0.008	1	1.19	0.003	0.06	0.6	0.04	1.4	0.2	<0.05	6	1.2	<0.2
1370287	Soil Pulp	24	0.16	253	0.010	2	1.14	0.005	0.06	0.8	0.05	1.3	0.2	<0.05	5	1.5	<0.2
1370288	Soil Pulp	15	0.03	770	0.014	4	0.36	0.007	0.07	0.6	0.03	0.6	0.4	0.12	3	6.9	<0.2
1370289	Soil Pulp	3	0.01	48	0.006	<1	0.13	0.020	0.02	<0.1	0.01	0.2	<0.1	<0.05	<1	0.5	<0.2
1370290	Soil Pulp	13	0.02	163	0.010	1	0.39	0.004	0.05	0.2	0.06	0.3	0.5	<0.05	4	2.7	<0.2
1370291	Soil Pulp	41	0.05	550	0.006	4	1.04	0.005	0.20	0.7	0.85	0.6	3.8	0.21	5	27.5	<0.2
1370292	Soil Pulp	19	0.19	457	0.003	2	1.37	0.007	0.06	0.5	0.08	2.0	0.3	<0.05	4	3.4	<0.2
1370293	Soil Pulp	13	0.05	147	0.006	1	0.46	0.005	0.05	0.2	0.07	0.7	0.3	<0.05	3	1.5	<0.2
1370294	Soil Pulp	17	0.03	120	0.005	<1	0.45	0.005	0.04	0.2	0.03	0.2	0.2	<0.05	3	1.1	<0.2
1370295	Soil Pulp	73	0.70	551	0.003	4	0.74	0.006	0.10	0.3	0.79	2.6	0.4	0.06	2	5.8	<0.2
1370296	Soil Pulp	3	0.24	212	0.006	4	0.38	0.015	0.01	<0.1	0.09	0.1	<0.1	0.17	<1	3.2	<0.2
1370297	Soil Pulp	6	0.05	530	0.004	<1	0.61	0.010	0.08	<0.1	0.02	0.6	<0.1	0.06	2	<0.5	<0.2
1370298	Soil Pulp	6	0.02	163	0.004	1	0.33	0.002	0.07	0.1	0.01	0.3	0.1	<0.05	2	1.7	<0.2
1370299	Soil Pulp	11	0.04	132	0.009	1	0.56	0.002	0.05	0.1	0.01	0.7	0.2	<0.05	4	1.0	<0.2
1370300	Soil Pulp	15	0.09	316	0.004	2	0.82	0.008	0.08	0.2	0.09	1.0	0.4	<0.05	3	1.4	<0.2
1370301	Soil Pulp	10	0.06	568	0.003	1	0.60	0.008	0.04	0.1	0.14	4.0	0.1	<0.05	1	1.4	<0.2
1370302	Soil Pulp	10	0.05	96	0.009	<1	0.52	0.003	0.06	0.2	0.01	0.5	0.3	<0.05	5	0.7	<0.2
1370303	Soil Pulp	10	0.80	263	0.003	4	0.36	0.004	0.04	<0.1	0.43	1.2	0.4	0.25	<1	6.2	<0.2
1370304	Soil Pulp	62	0.09	269	0.010	2	0.71	0.008	0.10	0.4	0.02	0.7	4.2	0.06	4	2.8	<0.2
1370305	Soil Pulp	31	0.08	262	0.008	1	0.76	0.007	0.08	0.3	0.03	0.5	3.0	<0.05	4	4.1	<0.2
1370306	Soil Pulp	12	0.04	157	0.002	2	0.47	0.003	0.04	<0.1	0.13	4.0	0.2	<0.05	<1	2.9	<0.2
1370307	Soil Pulp	5	0.01	171	0.010	<1	0.21	0.020	0.02	<0.1	0.03	0.3	<0.1	0.05	<1	0.5	<0.2
1370308	Soil Pulp	23	0.06	173	0.008	2	0.60	0.004	0.07	0.2	0.04	0.6	0.6	<0.05	3	4.7	<0.2
1370309	Soil Pulp	8	0.05	142	0.007	1	0.45	0.005	0.08	0.1	<0.01	0.6	0.2	<0.05	3	1.3	<0.2

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Project: CCJV  
 Report Date: August 25, 2011

Page: 9 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003684.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 P	1DX15 La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1370310	Soil Pulp	23.4	9.6	8.3	150	0.9	35.0	2.0	21	0.93	12.5	<0.5	0.6	13	0.8	4.2	0.1	190	<0.01	0.024	17		
1370311	Soil Pulp	44.0	13.4	24.9	243	1.1	46.9	1.8	28	1.37	23.3	<0.5	0.4	19	3.0	9.4	0.2	547	0.03	0.045	24		
1370312	Soil Pulp	10.4	33.5	22.8	158	0.4	36.7	6.7	130	4.14	37.4	<0.5	1.6	5	1.0	5.6	0.2	93	<0.01	0.089	15		
1370313	Soil Pulp	2.1	7.6	1.7	21	0.2	4.0	1.2	14	0.62	2.5	<0.5	<0.1	6	0.3	0.6	<0.1	24	0.03	0.022	2		
1370314	Soil Pulp	16.4	84.4	23.3	343	0.9	91.7	10.6	196	2.79	24.1	3.8	3.2	108	2.2	4.8	0.3	45	0.67	0.130	15		
1370315	Soil Pulp	18.7	38.3	8.7	1027	0.7	98.2	5.0	132	0.98	26.5	<0.5	0.6	95	5.4	7.3	0.1	691	2.14	0.051	8		
1370316	Soil Pulp	0.3	5.9	0.4	84	0.1	6.1	0.7	15	0.20	4.6	2.0	<0.1	25	1.7	0.2	<0.1	19	0.41	0.012	<1		
1370317	Soil Pulp	6.2	8.0	2.2	63	1.0	12.6	0.8	14	0.36	4.9	1.7	<0.1	4	1.8	2.3	<0.1	232	0.02	0.030	4		
1370318	Soil Pulp	13.6	10.9	5.9	246	0.6	26.3	2.0	65	0.84	9.7	<0.5	<0.1	9	2.1	2.5	0.1	405	0.05	0.076	7		
1370319	Soil Pulp	9.6	6.9	2.8	75	0.7	15.2	0.7	11	0.27	3.8	1.6	0.6	5	2.0	1.4	<0.1	265	0.01	0.012	14		
1370320	Soil Pulp	17.8	43.0	8.6	827	0.8	111.0	6.7	264	1.49	25.8	2.4	1.4	22	10.1	8.4	0.2	529	0.31	0.058	10		
1370321	Soil Pulp	8.7	17.3	5.1	586	0.6	35.2	3.7	106	0.70	16.9	1.8	0.5	32	8.7	4.4	0.1	241	0.61	0.025	5		
1370325	Soil Pulp	8.2	30.8	10.9	148	0.4	24.8	4.1	81	1.70	17.2	2.6	1.0	19	0.8	2.7	0.2	108	0.10	0.088	10		
1370326	Soil Pulp	51.4	12.1	5.5	290	0.4	131.1	1.7	27	0.74	16.6	1.3	0.3	3	1.1	9.2	0.1	791	0.02	0.029	14		
1370327	Soil Pulp	7.5	11.7	4.0	57	1.6	14.6	0.8	13	0.41	4.4	1.0	<0.1	4	1.6	2.0	<0.1	71	0.02	0.040	4		
1370328	Soil Pulp	3.6	4.4	7.5	57	0.6	6.5	1.2	41	0.63	7.3	0.9	0.4	7	0.2	1.1	0.1	108	0.02	0.045	9		
1370329	Soil Pulp	8.6	15.7	8.0	156	0.6	39.8	2.2	19	0.94	9.8	0.8	0.2	7	0.5	2.8	0.1	119	0.02	0.059	9		
1370330	Soil Pulp	13.4	24.0	9.6	188	0.2	43.7	3.4	28	1.30	14.6	0.5	0.1	9	0.3	3.8	0.1	105	0.02	0.060	10		
1370331	Soil Pulp	100.1	17.6	12.6	173	2.5	75.4	1.0	24	1.87	47.7	3.1	0.4	102	0.5	18.8	0.2	618	0.01	0.064	7		
1370332	Soil Pulp	2.9	10.3	5.6	24	2.9	5.1	0.7	10	0.31	2.4	<0.5	<0.1	8	0.4	1.4	<0.1	88	0.01	0.053	5		
1370333	Soil Pulp	6.4	7.6	8.9	40	0.4	7.2	1.3	27	0.79	8.6	<0.5	0.2	11	0.2	2.0	0.1	181	0.02	0.070	8		
1370334	Soil Pulp	5.3	15.7	8.1	54	0.2	9.3	2.0	46	1.09	10.0	2.4	0.3	9	0.3	1.9	0.2	105	0.01	0.043	10		
1370335	Soil Pulp	6.3	43.4	17.4	116	0.2	19.5	5.0	171	2.61	30.1	5.8	0.5	12	0.2	2.6	0.2	74	0.05	0.079	8		
1370336	Soil Pulp	8.2	245.1	35.1	132	3.5	30.9	6.4	137	4.39	229.7	69.9	3.2	300	0.6	53.2	0.3	59	0.04	0.125	9		
1370337	Soil Pulp	2.0	20.3	17.2	92	0.7	26.2	11.5	749	1.97	7.4	4.0	1.6	39	0.2	0.5	0.2	24	0.37	0.069	7		
1370338	Soil Pulp	1.5	30.1	17.5	74	0.9	26.5	22.2	940	2.42	6.4	6.3	1.5	13	0.1	0.4	0.3	15	0.10	0.081	8		
1370339	Soil Pulp	1.5	18.9	7.5	53	0.3	19.4	8.7	354	1.43	4.6	2.9	1.4	12	0.1	0.4	0.1	14	0.09	0.040	8		
1370340	Soil Pulp	0.7	31.8	7.8	30	1.0	9.8	1.6	24	0.62	3.2	4.1	0.9	20	0.2	0.3	0.1	25	0.09	0.055	6		
1370341	Soil Pulp	1.5	50.0	14.9	89	2.2	38.5	5.8	57	1.48	8.0	7.7	2.0	20	0.4	0.6	0.2	36	0.12	0.086	7		

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Page: 9 of 9 Part 2

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Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1370310	Soil Pulp	12	0.04	174	0.009	1	0.49	0.006	0.05	0.2	<0.01	0.6	0.8	<0.05	3	1.9	<0.2
1370311	Soil Pulp	27	0.07	203	0.005	1	0.68	0.008	0.09	0.3	0.06	0.6	2.0	<0.05	3	4.0	<0.2
1370312	Soil Pulp	9	0.04	93	0.005	<1	0.66	0.002	0.05	<0.1	<0.01	1.4	0.2	<0.05	3	1.9	<0.2
1370313	Soil Pulp	2	0.02	46	0.007	<1	0.17	0.018	0.03	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
1370314	Soil Pulp	10	0.19	558	0.003	4	0.32	0.002	0.12	<0.1	0.34	2.9	0.2	0.12	<1	3.1	<0.2
1370315	Soil Pulp	38	0.29	469	0.008	3	0.81	0.015	0.10	0.2	0.23	1.6	1.5	0.10	2	4.1	<0.2
1370316	Soil Pulp	<1	0.03	67	0.012	1	0.21	0.029	0.02	<0.1	0.02	0.3	<0.1	0.11	<1	0.8	<0.2
1370317	Soil Pulp	11	0.02	190	0.006	1	0.25	0.010	0.03	<0.1	0.03	0.2	0.6	0.08	2	0.6	<0.2
1370318	Soil Pulp	18	0.09	276	0.003	3	0.56	0.008	0.08	0.1	0.03	0.3	0.7	<0.05	3	1.2	<0.2
1370319	Soil Pulp	10	0.03	243	0.008	2	0.31	0.002	0.06	0.2	0.02	0.5	0.8	<0.05	2	<0.5	<0.2
1370320	Soil Pulp	105	0.18	2146	0.009	3	1.01	0.007	0.07	0.2	0.09	3.3	0.9	<0.05	4	5.0	<0.2
1370321	Soil Pulp	11	0.13	275	0.005	1	0.53	0.020	0.04	0.1	0.10	1.2	0.3	0.10	2	1.2	<0.2
1370325	Soil Pulp	17	0.13	553	0.003	3	0.83	0.003	0.09	0.2	0.14	1.3	0.3	0.09	3	1.5	<0.2
1370326	Soil Pulp	19	0.05	219	0.009	3	0.43	0.003	0.09	0.3	0.03	0.6	0.9	<0.05	2	8.5	<0.2
1370327	Soil Pulp	10	0.02	82	0.004	1	0.34	0.008	0.03	<0.1	0.07	0.2	0.2	<0.05	2	1.0	<0.2
1370328	Soil Pulp	10	0.05	119	0.006	2	0.53	0.003	0.03	0.2	0.02	0.6	0.3	<0.05	3	0.9	<0.2
1370329	Soil Pulp	17	0.04	157	0.003	2	0.56	0.003	0.05	0.2	0.03	0.4	0.3	<0.05	3	1.8	<0.2
1370330	Soil Pulp	11	0.02	158	0.002	2	0.44	0.002	0.04	0.1	0.03	0.4	0.3	<0.05	2	2.1	<0.2
1370331	Soil Pulp	26	0.02	365	0.004	2	0.35	0.005	0.10	0.9	0.09	0.5	5.4	0.34	3	11.5	<0.2
1370332	Soil Pulp	6	0.01	142	0.002	<1	0.23	0.008	0.03	<0.1	0.03	0.2	0.3	<0.05	2	0.9	<0.2
1370333	Soil Pulp	10	0.04	140	0.004	2	0.44	0.004	0.05	0.2	0.02	0.3	0.6	<0.05	3	1.2	<0.2
1370334	Soil Pulp	12	0.08	139	0.005	2	0.62	0.002	0.06	0.3	0.02	0.6	0.4	<0.05	4	1.1	<0.2
1370335	Soil Pulp	17	0.16	128	0.005	2	0.76	0.002	0.07	0.2	0.10	1.0	0.2	<0.05	4	1.5	<0.2
1370336	Soil Pulp	42	0.13	290	0.004	2	1.01	0.004	0.08	0.2	2.06	5.0	3.0	0.08	4	7.3	<0.2
1370337	Soil Pulp	22	0.35	1277	0.002	2	0.95	0.004	0.05	<0.1	0.17	3.0	0.1	0.10	3	0.6	<0.2
1370338	Soil Pulp	24	0.20	1708	0.004	2	0.91	0.006	0.05	<0.1	0.20	2.8	<0.1	0.09	2	0.9	<0.2
1370339	Soil Pulp	17	0.18	376	0.002	2	0.74	0.008	0.05	<0.1	0.06	1.6	<0.1	0.05	2	<0.5	<0.2
1370340	Soil Pulp	13	0.08	150	0.001	2	0.57	0.004	0.06	<0.1	0.25	1.2	0.3	0.09	3	0.8	<0.2
1370341	Soil Pulp	22	0.24	223	0.002	2	1.15	0.004	0.10	0.2	0.59	3.1	0.3	<0.05	3	1.8	<0.2

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Project: CCJV  
 Report Date: August 25, 2011

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

VAN11003684.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
Pulp Duplicates																					
1180495	Soil Pulp	1.9	33.6	12.2	128	0.7	35.0	5.2	174	1.22	7.9	2.7	1.3	43	1.0	1.3	0.1	41	0.59	0.062	6
REP 1180495	QC	1.7	34.6	12.2	133	0.7	35.7	5.4	174	1.23	7.8	1.9	1.3	44	1.0	1.2	0.1	44	0.58	0.062	6
1180998	Soil Pulp	7.8	86.9	17.0	392	0.9	85.9	10.1	1526	2.72	19.1	8.5	0.9	93	3.9	3.8	0.2	72	0.90	0.249	13
REP 1180998	QC	7.8	84.6	16.8	381	0.9	83.2	9.9	1472	2.69	18.9	8.7	0.9	89	3.7	3.9	0.2	72	0.88	0.233	12
1181159	Soil Pulp	1.4	11.3	15.7	71	<0.1	13.5	4.1	114	2.29	9.9	0.8	0.8	13	0.2	0.9	0.2	34	0.02	0.080	4
REP 1181159	QC	1.6	11.3	16.2	72	<0.1	13.8	3.9	111	2.20	10.3	<0.5	0.8	14	0.3	0.9	0.2	35	0.02	0.080	5
1181171	Soil Pulp	1.7	235.4	14.5	178	1.2	50.3	8.9	255	1.74	22.5	18.1	1.1	184	0.6	2.3	0.2	32	0.97	0.069	6
REP 1181171	QC	2.0	258.6	15.6	185	1.2	54.5	9.9	278	1.87	22.7	23.1	1.2	200	0.7	2.6	0.2	35	1.03	0.075	6
1181195	Soil Pulp	3.0	12.2	9.2	49	0.5	14.2	1.9	26	1.01	8.5	6.2	1.3	19	0.4	1.2	0.1	41	0.14	0.060	6
REP 1181195	QC	2.8	12.2	8.9	49	0.5	13.7	1.9	26	1.00	9.0	2.7	1.3	19	0.3	1.0	0.1	40	0.14	0.059	6
1182461	Soil Pulp	1.3	47.2	26.8	147	1.4	47.5	7.8	297	2.53	16.9	7.0	1.2	192	0.3	1.0	0.2	21	1.15	0.096	2
REP 1182461	QC	1.3	45.8	26.1	148	1.5	47.4	7.6	284	2.51	17.5	6.7	1.1	184	0.5	1.2	0.2	22	1.09	0.093	2
1183261	Soil Pulp	3.3	28.1	9.1	65	0.1	11.1	3.2	52	2.52	13.4	4.7	0.7	7	<0.1	1.3	0.2	53	<0.01	0.039	4
REP 1183261	QC	3.2	27.9	9.2	65	0.1	10.7	3.1	52	2.53	13.7	2.4	0.7	7	<0.1	1.2	0.2	53	<0.01	0.038	4
1183267	Soil Pulp	2.9	67.7	20.0	141	0.4	27.8	13.6	793	3.09	16.9	5.7	0.2	21	1.5	2.0	0.3	34	0.08	0.139	3
REP 1183267	QC	3.1	69.7	20.6	146	0.4	28.8	13.7	836	3.16	17.0	6.4	0.2	22	1.6	2.2	0.3	35	0.09	0.155	3
1183290	Soil Pulp	41.3	20.6	5.9	495	<0.1	87.0	4.1	83	1.12	21.0	<0.5	1.1	10	3.3	7.8	0.1	428	0.15	0.014	10
REP 1183290	QC	39.8	20.0	5.9	474	<0.1	85.0	4.0	85	1.09	19.6	<0.5	1.0	10	3.3	7.5	0.1	408	0.15	0.013	9
1370141	Soil Pulp	15.9	66.9	14.1	354	1.5	63.1	4.4	78	2.26	69.1	6.6	2.6	51	2.2	12.6	0.5	169	0.11	0.156	17
REP 1370141	QC	16.2	69.5	13.7	362	1.5	65.1	4.5	81	2.29	71.0	8.2	2.7	51	2.2	12.9	0.5	175	0.12	0.162	17
1370288	Soil Pulp	19.9	10.2	9.1	35	1.4	5.6	0.9	21	0.64	12.9	<0.5	0.6	90	0.6	6.4	0.2	71	0.03	0.065	11
REP 1370288	QC	19.0	10.1	9.1	34	1.3	5.4	0.9	22	0.64	12.5	1.1	0.6	87	0.5	6.4	0.2	68	0.03	0.065	11
1370312	Soil Pulp	10.4	33.5	22.8	158	0.4	36.7	6.7	130	4.14	37.4	<0.5	1.6	5	1.0	5.6	0.2	93	<0.01	0.089	15
REP 1370312	QC	10.2	33.0	22.4	162	0.4	37.3	6.8	129	4.04	37.6	<0.5	1.6	5	1.1	5.2	0.2	91	<0.01	0.088	15
1370326	Soil Pulp	51.4	12.1	5.5	290	0.4	131.1	1.7	27	0.74	16.6	1.3	0.3	3	1.1	9.2	0.1	791	0.02	0.029	14
REP 1370326	QC	50.8	11.7	5.2	278	0.5	129.1	1.8	27	0.78	16.5	0.9	0.4	3	1.0	8.7	0.1	862	0.02	0.028	13
Reference Materials																					
STD DS8	Standard	13.2	108.2	104.4	275	1.7	37.4	7.4	565	2.38	28.1	114.3	5.7	57	2.3	4.8	5.5	39	0.67	0.075	13

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Project: CCJV  
 Report Date: August 25, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003684.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
1180495	Soil Pulp	12	0.14	327	0.002	3	0.58	0.003	0.05	<0.1	0.63	1.4	0.3	<0.05	2	2.2	<0.2
REP 1180495	QC	13	0.15	329	0.003	3	0.63	0.003	0.05	<0.1	0.60	1.4	0.3	<0.05	2	2.0	<0.2
1180998	Soil Pulp	17	0.19	524	0.006	8	0.71	0.005	0.17	<0.1	0.33	2.1	0.2	0.14	2	5.9	<0.2
REP 1180998	QC	18	0.19	524	0.005	7	0.70	0.005	0.17	<0.1	0.34	2.0	0.2	0.13	2	5.6	<0.2
1181159	Soil Pulp	12	0.10	118	0.003	<1	0.82	0.007	0.07	<0.1	0.03	1.2	0.1	<0.05	4	0.6	<0.2
REP 1181159	QC	12	0.11	123	0.002	<1	0.83	0.008	0.07	<0.1	0.03	1.2	0.1	<0.05	4	<0.5	<0.2
1181171	Soil Pulp	22	0.28	731	0.002	1	1.13	0.009	0.08	<0.1	0.30	3.8	0.1	0.07	3	2.0	<0.2
REP 1181171	QC	24	0.30	774	0.004	3	1.27	0.010	0.09	0.1	0.32	3.8	0.2	0.08	3	1.5	<0.2
1181195	Soil Pulp	11	0.13	255	0.004	1	0.51	0.007	0.04	<0.1	0.23	1.5	0.2	<0.05	2	0.9	<0.2
REP 1181195	QC	11	0.12	251	0.004	1	0.49	0.008	0.04	0.1	0.23	1.4	0.2	<0.05	2	1.8	<0.2
1182461	Soil Pulp	29	0.47	346	0.002	4	1.20	0.004	0.08	<0.1	0.18	3.0	0.1	0.06	3	5.1	<0.2
REP 1182461	QC	28	0.45	330	0.002	5	1.14	0.004	0.07	<0.1	0.15	2.9	0.1	0.06	3	4.3	<0.2
1183261	Soil Pulp	18	0.02	59	0.005	2	0.51	0.002	0.02	<0.1	0.02	1.2	<0.1	<0.05	5	1.3	<0.2
REP 1183261	QC	17	0.02	58	0.005	2	0.51	0.002	0.02	<0.1	0.02	1.1	<0.1	<0.05	5	1.2	<0.2
1183267	Soil Pulp	31	0.11	553	0.003	2	0.71	0.003	0.05	<0.1	0.04	0.4	<0.1	<0.05	3	1.0	<0.2
REP 1183267	QC	32	0.12	567	0.003	2	0.75	0.003	0.06	<0.1	0.04	0.5	<0.1	0.07	3	<0.5	<0.2
1183290	Soil Pulp	29	0.13	323	0.008	2	0.72	0.011	0.06	0.2	0.02	1.2	1.3	<0.05	3	1.8	<0.2
REP 1183290	QC	29	0.12	322	0.008	2	0.69	0.011	0.06	0.2	0.03	1.2	1.2	<0.05	3	1.7	<0.2
1370141	Soil Pulp	31	0.27	510	0.017	2	1.20	0.005	0.14	2.2	0.19	1.8	0.7	<0.05	4	7.4	<0.2
REP 1370141	QC	32	0.27	541	0.021	2	1.25	0.005	0.14	2.1	0.18	1.9	0.6	<0.05	4	7.4	0.2
1370288	Soil Pulp	15	0.03	770	0.014	4	0.36	0.007	0.07	0.6	0.03	0.6	0.4	0.12	3	6.9	<0.2
REP 1370288	QC	16	0.03	747	0.014	3	0.34	0.007	0.08	0.6	0.05	0.6	0.5	0.11	3	6.9	<0.2
1370312	Soil Pulp	9	0.04	93	0.005	<1	0.66	0.002	0.05	<0.1	<0.01	1.4	0.2	<0.05	3	1.9	<0.2
REP 1370312	QC	9	0.05	90	0.005	<1	0.66	0.002	0.06	<0.1	<0.01	1.3	0.2	<0.05	3	1.8	<0.2
1370326	Soil Pulp	19	0.05	219	0.009	3	0.43	0.003	0.09	0.3	0.03	0.6	0.9	<0.05	2	8.5	<0.2
REP 1370326	QC	19	0.05	220	0.010	3	0.43	0.003	0.10	0.3	0.02	0.7	1.0	<0.05	2	7.7	<0.2
Reference Materials																	
STD DS8	Standard	112	0.61	267	0.104	3	0.86	0.083	0.41	3.2	0.21	2.0	5.2	0.24	4	5.4	4.7

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Project: CCJV  
 Report Date: August 25, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11003684.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD DS8	Standard	12.5	99.4	120.5	307	1.7	36.2	7.0	589	2.34	23.6	132.8	6.1	66	2.2	5.6	6.4	38	0.64	0.074	13
STD DS8	Standard	12.8	107.7	117.8	299	1.7	36.8	7.8	596	2.40	24.7	120.7	5.9	62	2.5	5.3	6.2	42	0.68	0.077	14
STD DS8	Standard	12.3	104.0	118.7	288	1.7	35.9	7.1	574	2.28	23.0	104.8	6.5	65	2.2	5.7	6.6	39	0.65	0.076	14
STD DS8	Standard	13.1	107.3	126.4	294	1.5	37.5	7.5	607	2.39	24.0	100.3	7.0	72	2.2	5.9	6.6	41	0.67	0.076	16
STD DS8	Standard	14.6	118.3	103.2	333	2.0	39.3	7.7	651	2.56	27.0	109.2	6.2	69	2.3	5.3	5.9	44	0.74	0.080	15
STD DS8	Standard	11.6	110.4	111.7	302	1.7	36.7	7.2	570	2.36	23.8	104.2	5.6	57	2.2	5.3	6.3	40	0.61	0.077	11
STD DS8	Standard	13.5	118.5	121.4	322	1.9	40.1	8.2	628	2.59	26.5	112.3	6.7	69	2.5	6.1	7.0	43	0.70	0.081	14
STD DS8	Standard	12.6	111.7	124.5	321	1.8	38.7	7.8	618	2.47	25.1	116.5	7.2	66	2.2	5.8	5.9	42	0.66	0.082	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: August 25, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003684.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	108	0.57	262	0.102	2	0.89	0.102	0.43	3.1	0.22	2.3	5.5	0.14	5	5.4	5.4
STD DS8	Standard	116	0.59	271	0.116	2	0.89	0.092	0.41	3.0	0.19	2.2	5.4	0.17	5	5.2	4.9
STD DS8	Standard	106	0.61	269	0.114	3	0.86	0.099	0.40	2.8	0.18	1.9	5.2	0.15	4	4.6	4.9
STD DS8	Standard	111	0.57	284	0.121	2	0.90	0.092	0.37	3.2	0.20	2.4	5.7	0.15	5	4.9	5.0
STD DS8	Standard	124	0.62	312	0.121	2	0.98	0.117	0.46	3.1	0.23	2.6	5.4	0.14	5	5.4	4.7
STD DS8	Standard	109	0.57	241	0.100	5	0.79	0.072	0.38	2.7	0.20	1.8	5.2	0.16	4	4.7	4.6
STD DS8	Standard	121	0.63	296	0.125	2	0.93	0.095	0.43	3.3	0.23	2.3	5.7	0.16	5	5.2	5.5
STD DS8	Standard	118	0.61	276	0.114	3	0.93	0.092	0.42	3.0	0.18	2.0	5.5	0.18	5	5.2	5.1
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Confirmation Email List  
Receiving Lab: Canada-Vancouver  
Received: August 04, 2011  
Report Date: August 22, 2011  
Page: 1 of 10

## CERTIFICATE OF ANALYSIS

VAN11003707.1

### CLIENT JOB INFORMATION

Project: CCJV  
Shipment ID:  
P.O. Number: X-03  
Number of Samples: 255

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	253	Sorting of samples on arrival and labeling			VAN
1DX2	248	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

### 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: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Report Email List



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Project: CCJV  
 Report Date: August 22, 2011

Page: 2 of 10 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11003707.1**

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1180584	Soil Pulp	8.4	105.2	13.9	558	1.4	167.6	6.8	245	1.98	28.3	5.0	0.5	116	7.1	6.2	0.2	102	0.54	0.173	14
1181147	Soil Pulp	3.5	16.9	17.8	67	0.2	17.2	5.0	60	2.25	20.3	1.9	0.2	17	0.2	1.6	0.3	38	<0.01	0.074	5
1181148	Soil Pulp	2.3	27.0	11.7	110	0.3	16.9	4.8	109	3.96	17.6	2.3	1.0	14	0.2	1.2	0.3	55	0.02	0.070	4
1181261	Soil Pulp	6.9	15.3	10.8	93	0.4	16.4	3.9	59	2.06	15.1	1.2	3.1	5	0.4	2.0	0.2	125	0.01	0.030	18
1181262	Soil Pulp	3.6	57.8	30.0	78	3.4	15.1	1.6	50	0.64	6.1	2.5	<0.1	37	1.2	1.8	<0.1	13	1.00	0.047	6
1181263	Soil Pulp	6.3	31.5	18.0	62	0.1	12.7	3.0	58	4.68	23.2	2.6	1.8	9	0.1	2.3	0.5	65	0.02	0.087	7
1181264	Soil Pulp	0.2	10.5	0.5	32	<0.1	2.5	0.3	10	0.15	4.4	2.8	<0.1	75	0.4	0.3	<0.1	3	2.38	0.034	<1
1181265	Soil Pulp	79.1	116.4	16.6	1887	1.0	344.8	12.9	312	3.30	54.9	2.9	1.7	258	8.7	24.1	0.2	186	8.82	0.106	9
1181266	Soil Pulp	1.9	26.3	2.7	86	0.5	33.0	1.7	106	0.58	4.0	3.1	0.2	73	3.1	2.1	<0.1	14	1.34	0.040	2
1181267	Soil Pulp	5.9	48.3	10.7	364	1.2	53.9	6.3	200	1.55	16.5	5.7	1.5	90	5.0	4.4	0.2	75	1.56	0.098	8
1181268	Soil Pulp	6.0	60.9	14.0	1410	1.0	118.1	7.5	275	1.96	56.0	5.3	2.1	85	12.0	7.9	0.3	85	1.01	0.160	13
1181270	Soil Pulp	12.7	62.7	29.4	468	0.8	60.3	9.1	260	2.39	53.7	5.9	3.1	59	3.4	6.7	0.3	95	0.83	0.094	14
1181271	Soil Pulp	10.4	36.1	21.1	256	0.2	40.9	11.3	124	3.05	28.5	5.0	2.4	13	1.2	4.9	0.2	69	0.14	0.071	15
1181272	Soil Pulp	15.9	265.3	43.4	658	4.6	111.9	49.6	905	6.81	29.1	21.3	5.2	64	8.0	8.4	0.3	53	0.80	0.198	21
1181273	Soil Pulp	26.4	182.9	55.4	778	1.5	135.5	22.0	538	4.49	271.1	14.1	3.1	101	5.5	13.8	0.3	135	1.50	0.178	14
1181274	Soil Pulp	26.2	203.1	84.8	1278	1.3	172.6	19.7	544	4.89	169.5	14.0	4.7	116	8.1	14.6	0.4	173	1.52	0.146	21
1181275	Soil Pulp	10.0	54.2	32.0	310	1.1	58.6	11.4	264	3.28	70.6	4.1	3.0	54	2.3	6.8	0.3	28	0.46	0.045	13
1181276	Soil Pulp	61.6	38.3	116.2	685	0.6	144.6	5.9	323	2.00	42.7	3.1	2.3	143	4.8	10.7	0.2	72	3.08	0.126	9
1181277	Soil Pulp	69.4	91.4	138.9	1302	0.8	174.6	6.7	262	2.00	47.0	2.1	2.2	170	10.8	22.1	0.2	206	3.86	0.129	11
1181278	Soil Pulp	9.4	54.7	18.9	271	1.2	63.6	10.5	210	2.61	11.4	4.3	2.5	78	1.1	4.1	0.2	21	2.79	0.084	10
1181279	Soil Pulp	7.7	26.9	22.5	125	0.7	23.6	3.8	62	1.48	12.9	3.6	0.8	61	0.9	2.5	0.2	32	0.20	0.073	10
1181456	Soil Pulp	2.8	84.9	21.8	95	0.9	20.4	6.6	297	5.96	44.8	14.1	2.2	22	0.2	5.0	0.5	58	0.04	0.132	6
1181457	Soil Pulp	1.2	30.3	6.9	55	1.1	13.9	2.3	31	1.46	9.5	5.1	0.4	8	<0.1	1.2	0.1	18	0.02	0.041	4
1181458	Soil Pulp	4.6	73.2	13.7	193	1.3	47.9	7.5	183	3.34	41.2	12.7	4.2	25	0.5	6.1	0.3	46	0.06	0.086	18
1181459	Soil Pulp	5.8	34.1	16.1	95	0.4	19.8	3.8	101	2.57	40.5	4.6	0.8	13	0.2	4.5	0.4	85	0.02	0.052	16
1181482	Soil Pulp	3.3	32.1	18.1	77	0.3	19.9	5.1	160	4.62	63.1	8.0	3.4	11	0.1	7.9	0.6	68	0.02	0.059	15
1181657	Soil Pulp	2.8	47.7	10.6	152	0.7	36.3	5.8	256	2.09	62.6	10.6	1.9	107	1.0	2.9	0.2	62	0.49	0.087	9
1181659	Soil Pulp	30.4	52.8	10.5	235	0.6	41.3	4.3	143	2.65	38.4	7.3	3.4	62	2.0	8.0	0.2	59	0.35	0.194	14
1181660	Soil Pulp	3.8	24.4	4.9	431	1.1	97.1	6.8	646	1.18	12.7	6.8	0.1	65	5.3	1.3	0.1	33	0.32	0.065	6

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Project: CCJV  
 Report Date: August 22, 2011

Page: 2 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11003707.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1180584	Soil Pulp	22	0.24	893	0.007	3	1.06	0.005	0.10	1.0	0.45	1.1	0.5	0.09	3	4.5	<0.2
1181147	Soil Pulp	12	0.04	82	0.003	<1	0.60	0.007	0.06	<0.1	0.03	0.5	0.1	<0.05	5	<0.5	<0.2
1181148	Soil Pulp	29	0.12	138	0.005	<1	0.91	0.005	0.05	0.2	0.03	1.5	0.1	<0.05	5	0.6	<0.2
1181261	Soil Pulp	15	0.11	213	0.008	<1	0.97	0.002	0.06	0.2	0.01	1.3	0.3	<0.05	6	1.3	<0.2
1181262	Soil Pulp	3	0.05	300	0.007	<1	0.21	0.023	0.03	<0.1	0.35	0.4	0.1	0.07	<1	2.1	<0.2
1181263	Soil Pulp	16	0.06	79	0.003	<1	0.97	0.003	0.05	0.2	0.04	0.8	<0.1	<0.05	7	1.3	<0.2
1181264	Soil Pulp	1	0.21	93	0.010	4	0.24	0.023	0.01	<0.1	0.03	0.2	<0.1	0.27	<1	2.3	<0.2
1181265	Soil Pulp	21	3.16	548	0.004	6	0.38	0.005	0.09	0.5	0.24	3.3	4.1	0.14	<1	7.6	<0.2
1181266	Soil Pulp	4	0.08	473	0.011	2	0.34	0.029	0.02	<0.1	0.11	0.4	0.1	0.15	<1	1.6	<0.2
1181267	Soil Pulp	17	0.29	718	0.005	5	0.68	0.007	0.08	0.3	0.32	1.8	0.2	0.11	2	2.1	<0.2
1181268	Soil Pulp	20	0.40	952	0.020	5	0.91	0.011	0.14	1.2	0.34	2.0	0.3	0.12	2	3.9	<0.2
1181270	Soil Pulp	21	0.44	733	0.008	3	0.89	0.005	0.11	0.5	0.19	2.4	0.3	0.11	2	2.7	<0.2
1181271	Soil Pulp	16	0.37	440	0.003	1	0.97	0.004	0.11	0.1	0.03	1.7	0.2	<0.05	3	1.6	<0.2
1181272	Soil Pulp	24	1.33	867	0.004	3	1.76	0.006	0.15	<0.1	0.35	6.4	0.6	0.12	5	7.1	<0.2
1181273	Soil Pulp	18	0.75	770	0.004	7	0.83	0.004	0.13	0.2	0.24	3.9	0.4	0.12	2	3.8	<0.2
1181274	Soil Pulp	35	1.11	1359	0.005	4	1.38	0.004	0.15	0.2	0.16	5.7	0.4	0.10	3	4.4	0.2
1181275	Soil Pulp	10	0.20	1138	0.003	2	0.66	0.010	0.13	<0.1	0.08	2.6	0.2	0.11	2	2.5	<0.2
1181276	Soil Pulp	10	1.49	357	0.002	3	0.23	0.003	0.06	0.4	0.32	1.9	0.5	0.08	<1	2.3	<0.2
1181277	Soil Pulp	18	1.56	444	0.003	5	0.33	0.004	0.09	0.3	0.52	2.6	1.3	0.07	<1	5.1	<0.2
1181278	Soil Pulp	6	1.26	499	0.002	4	0.19	0.003	0.08	<0.1	0.18	2.6	0.1	0.15	<1	3.1	<0.2
1181279	Soil Pulp	10	0.11	326	0.004	3	0.36	0.005	0.12	0.1	0.10	0.8	0.2	0.11	2	1.4	<0.2
1181456	Soil Pulp	78	0.30	153	0.008	<1	1.69	0.006	0.07	0.2	0.10	2.3	0.1	0.06	6	3.2	<0.2
1181457	Soil Pulp	17	0.11	107	0.007	<1	0.61	0.016	0.03	<0.1	0.08	0.8	<0.1	<0.05	2	0.8	<0.2
1181458	Soil Pulp	38	0.42	571	0.013	1	1.30	0.005	0.07	0.3	0.12	1.8	0.2	<0.05	3	2.2	<0.2
1181459	Soil Pulp	22	0.15	199	0.017	1	0.87	0.004	0.07	0.5	0.03	1.0	0.2	<0.05	7	1.2	<0.2
1181482	Soil Pulp	30	0.22	139	0.046	<1	1.06	0.003	0.05	1.5	0.05	1.3	0.1	<0.05	8	1.1	<0.2
1181657	Soil Pulp	27	0.37	948	0.008	6	1.35	0.009	0.14	0.3	0.17	3.1	0.2	0.09	4	2.6	<0.2
1181659	Soil Pulp	20	0.33	594	0.019	2	1.04	0.007	0.15	0.8	0.19	2.5	0.7	<0.05	3	2.6	<0.2
1181660	Soil Pulp	11	0.14	285	0.007	2	0.74	0.014	0.06	0.2	0.16	0.5	0.2	0.06	2	1.1	<0.2

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Project: CCJV  
 Report Date: August 22, 2011

Page: 3 of 10 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11003707.1**

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1181661	Soil Pulp	27.9	1178	9.0	804	0.8	184.0	27.8	1360	3.68	54.9	8.8	1.5	110	22.5	12.4	0.2	77	0.47	0.325	8
1181662	Soil Pulp	5.2	96.4	13.8	270	0.9	102.8	8.4	367	2.45	27.3	10.7	1.3	112	9.3	4.3	0.3	51	0.32	0.096	9
1181665	Soil Pulp	3.9	32.9	8.6	127	1.1	27.1	4.1	325	1.60	19.7	5.5	1.1	57	1.3	2.0	0.2	60	0.35	0.093	9
1181666	Soil Pulp	1.6	103.2	3.9	18	4.2	8.5	0.7	14	1.39	3.6	2.9	0.2	17	0.7	0.7	<0.1	19	0.03	0.133	11
1181677	Soil Pulp	3.7	55.5	12.3	82	1.7	26.9	4.4	139	1.59	25.9	18.7	0.4	41	0.9	3.1	0.2	57	0.12	0.085	8
1181678	Soil Pulp	1.7	23.9	9.5	38	0.4	6.1	1.3	56	0.80	10.8	4.8	0.2	11	0.3	1.2	0.2	44	0.03	0.035	11
1181679	Soil Pulp	6.3	23.0	15.8	117	0.2	20.0	4.0	149	2.85	37.0	2.8	1.3	23	0.7	4.5	0.3	101	0.08	0.071	12
1181682	Soil Pulp	3.6	75.7	16.7	134	2.5	35.8	4.8	168	2.22	37.9	22.4	1.8	55	1.4	2.5	0.3	75	0.31	0.102	11
1181683	Soil Pulp	2.7	41.1	8.4	68	0.8	17.8	2.7	97	1.46	17.3	8.4	0.5	30	0.8	2.0	0.2	41	0.12	0.084	8
1181684	Soil Pulp	4.9	55.6	11.5	124	1.3	34.5	9.9	489	2.00	23.9	12.7	1.9	60	1.0	3.8	0.2	55	0.30	0.099	12
1181685	Soil Pulp	6.9	56.4	23.8	103	1.4	22.7	2.9	77	2.42	35.6	5.4	0.3	29	0.3	5.6	0.3	93	0.03	0.135	17
1182199	Soil Pulp	2.1	21.6	3.6	26	2.1	8.3	1.8	41	0.63	3.7	4.2	0.1	8	0.3	1.2	<0.1	17	0.04	0.111	3
1182200	Soil Pulp	2.5	43.2	6.8	35	2.2	14.2	1.3	31	1.27	13.0	7.1	0.2	12	1.0	3.0	0.2	45	0.06	0.131	7
1183001	Soil Pulp	3.4	20.6	8.5	41	0.5	8.5	1.4	35	0.88	16.3	3.8	0.1	9	1.1	2.8	0.3	63	0.03	0.037	10
1183002	Soil Pulp	12.1	105.4	9.1	1409	3.1	189.0	9.6	639	1.78	39.1	10.8	0.6	80	22.9	6.5	0.2	120	0.37	0.213	9
1183009	Soil Pulp	0.5	31.1	2.2	18	1.9	9.5	0.6	8	0.35	1.2	2.4	<0.1	11	2.0	0.5	<0.1	15	0.06	0.065	3
1183039	Soil Pulp	9.2	46.0	16.5	248	0.2	39.1	4.7	130	2.27	33.4	7.0	2.4	28	0.9	6.3	0.2	91	0.13	0.125	17
1183040	Soil Pulp	7.3	18.3	16.6	90	1.0	16.5	2.4	47	1.30	21.1	3.7	0.2	21	0.5	3.8	0.2	70	0.02	0.078	12
1183383	Soil Pulp	3.4	29.0	14.4	59	0.4	12.9	3.5	89	4.17	39.4	5.9	1.4	11	<0.1	4.2	0.3	49	0.01	0.106	8
1183384	Soil Pulp	3.5	38.9	18.3	61	0.2	12.9	3.7	74	2.62	33.6	4.4	1.4	14	0.2	3.9	0.3	50	0.01	0.088	9
1183385	Soil Pulp	1.6	32.4	13.3	37	0.2	11.8	1.9	30	1.44	15.9	3.8	1.9	29	0.2	2.0	0.2	25	0.21	0.048	9
1183386	Soil Pulp	4.5	36.6	21.2	99	0.2	22.3	4.7	125	4.40	61.1	4.8	3.3	16	0.2	6.7	0.3	65	0.01	0.207	13
1183387	Soil Pulp	6.8	51.5	26.7	88	1.0	18.7	6.2	158	4.74	62.5	7.7	2.5	17	0.2	7.8	0.4	56	0.01	0.125	8
1183388	Soil Pulp	1.8	18.9	9.0	58	0.6	12.7	1.9	85	1.90	5.0	1.5	0.5	19	0.2	0.6	0.2	41	0.03	0.045	2
1183389	Soil Pulp	4.1	67.9	13.9	73	0.2	14.6	3.4	89	3.10	16.4	5.1	1.2	9	0.1	1.5	0.3	66	0.02	0.054	6
1183390	Soil Pulp	4.4	18.2	18.0	89	0.2	16.2	3.4	88	2.46	17.8	1.4	1.5	11	0.1	1.8	0.2	76	0.02	0.066	10
1183391	Soil Pulp	8.4	25.9	21.6	134	0.8	23.1	14.2	688	5.05	26.2	1.5	2.3	8	0.4	1.7	0.4	66	0.02	0.058	11
1183392	Soil Pulp	1.9	14.3	10.6	91	0.3	14.1	4.6	80	2.05	6.5	0.8	1.7	4	0.5	0.9	0.2	35	0.01	0.062	9

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Project: CCJV  
 Report Date: August 22, 2011

Page: 3 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11003707.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1181661	Soil Pulp	21	0.28	430	0.007	3	1.75	0.007	0.11	0.3	0.28	1.9	2.1	0.07	3	2.8	<0.2
1181662	Soil Pulp	17	0.17	357	0.005	2	1.08	0.005	0.08	0.3	0.32	1.6	1.3	0.06	3	3.3	<0.2
1181665	Soil Pulp	19	0.21	512	0.008	3	0.89	0.008	0.07	0.3	0.30	1.7	0.3	0.06	3	3.2	<0.2
1181666	Soil Pulp	10	0.02	158	0.004	<1	0.61	0.014	0.03	<0.1	0.48	0.6	0.9	0.08	1	1.6	<0.2
1181677	Soil Pulp	17	0.16	496	0.007	1	0.99	0.009	0.11	0.3	0.44	1.1	0.2	<0.05	4	1.7	<0.2
1181678	Soil Pulp	9	0.06	176	0.006	<1	0.56	0.005	0.06	0.3	0.04	0.2	0.2	<0.05	4	<0.5	<0.2
1181679	Soil Pulp	19	0.19	202	0.018	<1	0.82	0.004	0.09	0.4	0.03	1.1	0.2	<0.05	5	1.3	<0.2
1181682	Soil Pulp	23	0.33	692	0.006	3	1.47	0.007	0.15	0.3	0.49	2.4	0.3	<0.05	4	1.4	<0.2
1181683	Soil Pulp	14	0.16	432	0.006	1	0.80	0.008	0.12	0.2	0.26	1.1	0.2	0.05	3	2.3	<0.2
1181684	Soil Pulp	18	0.28	693	0.006	3	1.01	0.005	0.13	0.3	0.38	2.1	0.2	<0.05	3	1.7	<0.2
1181685	Soil Pulp	14	0.08	261	0.008	<1	0.70	0.003	0.07	0.2	0.05	0.5	0.2	<0.05	5	2.0	<0.2
1182199	Soil Pulp	12	0.04	169	0.004	<1	0.55	0.012	0.03	0.1	0.64	0.4	0.1	0.07	1	2.0	<0.2
1182200	Soil Pulp	20	0.12	299	0.005	1	0.86	0.010	0.06	0.2	0.58	0.4	0.3	0.06	2	3.0	<0.2
1183001	Soil Pulp	12	0.04	237	0.006	2	0.53	0.005	0.04	0.3	0.11	0.3	0.1	0.09	4	0.9	<0.2
1183002	Soil Pulp	20	0.16	904	0.008	3	0.99	0.009	0.07	0.4	1.60	1.1	0.7	0.13	3	4.0	<0.2
1183009	Soil Pulp	5	0.03	282	0.004	1	0.34	0.012	0.03	<0.1	0.29	0.4	<0.1	0.06	<1	0.7	<0.2
1183039	Soil Pulp	19	0.25	420	0.009	4	0.92	0.003	0.07	0.5	0.13	1.7	0.3	<0.05	3	1.4	<0.2
1183040	Soil Pulp	12	0.07	156	0.004	1	0.51	0.002	0.05	0.5	0.10	0.3	0.2	<0.05	3	1.6	<0.2
1183383	Soil Pulp	26	0.15	87	0.006	1	0.81	0.008	0.04	0.1	0.05	1.1	0.1	0.05	5	1.0	<0.2
1183384	Soil Pulp	25	0.07	109	0.003	1	0.68	0.003	0.04	<0.1	0.05	1.3	0.1	<0.05	4	1.4	<0.2
1183385	Soil Pulp	21	0.12	197	0.002	<1	0.62	0.003	0.04	<0.1	0.08	1.4	<0.1	0.05	3	1.3	<0.2
1183386	Soil Pulp	27	0.27	134	0.004	<1	1.06	0.004	0.05	0.1	0.02	1.6	0.1	<0.05	5	1.1	<0.2
1183387	Soil Pulp	32	0.25	133	0.004	1	1.18	0.004	0.05	0.1	0.09	1.8	0.2	<0.05	5	2.4	<0.2
1183388	Soil Pulp	34	0.07	179	0.002	1	0.63	0.007	0.05	<0.1	0.03	1.2	<0.1	<0.05	4	1.3	<0.2
1183389	Soil Pulp	23	0.14	145	0.004	<1	0.80	0.004	0.05	0.1	0.02	1.2	0.1	<0.05	6	0.6	<0.2
1183390	Soil Pulp	19	0.15	198	0.005	1	0.99	0.004	0.06	0.2	0.04	1.2	0.2	<0.05	6	0.7	<0.2
1183391	Soil Pulp	31	0.17	582	0.004	2	1.28	0.003	0.06	0.1	0.03	1.7	0.1	<0.05	6	1.0	<0.2
1183392	Soil Pulp	13	0.07	310	0.003	3	0.57	0.003	0.06	<0.1	0.02	1.2	<0.1	<0.05	4	0.5	<0.2

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Project: CCJV  
 Report Date: August 22, 2011

Page: 4 of 10 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11003707.1**

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1183393	Soil Pulp	5.1	23.8	15.1	190	1.7	22.3	8.3	251	4.39	17.0	1.6	2.9	10	0.3	1.8	0.3	74	0.03	0.060	10
1183394	Soil Pulp	5.0	36.0	18.3	138	0.5	20.5	7.0	214	6.27	21.6	2.8	2.5	10	0.3	2.1	0.3	55	0.02	0.078	7
1183395	Soil Pulp	3.5	32.8	26.9	145	2.2	18.3	5.8	226	3.99	22.8	2.2	1.6	39	0.4	1.3	0.4	52	0.05	0.093	5
1183396	Soil Pulp	1.7	18.4	16.7	92	1.2	16.9	12.6	906	2.02	35.9	1.6	0.3	44	0.3	1.0	0.2	23	0.04	0.129	3
1183397	Soil Pulp	2.2	13.1	18.1	320	0.3	31.8	9.4	381	4.08	72.0	5.5	2.3	30	1.4	1.8	0.2	85	0.46	0.112	17
1183398	Soil Pulp	3.0	20.9	96.3	112	0.4	12.5	3.9	128	1.02	19.8	2.7	0.9	13	3.2	1.5	0.2	42	0.06	0.022	10
1183399	Soil Pulp	8.3	21.3	21.7	56	2.5	15.8	1.0	37	2.21	149.9	15.8	1.7	14	0.4	3.6	0.2	15	0.14	0.032	2
1183400	Soil Pulp	1.9	15.7	13.2	65	0.6	15.2	3.0	99	2.01	25.6	1.0	0.4	14	0.5	1.4	0.2	34	0.04	0.091	4
1183401	Soil Pulp	1.2	32.0	9.8	50	0.6	19.8	2.2	48	0.94	10.7	4.2	0.6	27	1.0	0.7	0.1	24	0.30	0.029	4
1183402	Soil Pulp	6.4	19.8	11.5	144	0.3	31.6	9.2	179	6.32	23.1	1.9	3.1	7	0.6	2.2	0.3	146	0.02	0.090	7
1183403	Soil Pulp	23.4	92.9	17.0	52	1.9	13.1	1.8	141	2.01	46.9	8.0	2.7	92	0.3	7.0	0.2	66	0.03	0.111	7
1183404	Soil Pulp	9.9	9.7	14.5	39	7.0	8.7	1.1	17	0.82	6.0	1.3	0.7	22	0.5	2.4	0.2	140	0.01	0.089	11
1183405	Soil Pulp	4.8	70.0	14.8	54	0.3	12.5	2.5	33	1.34	14.4	9.8	0.3	9	0.2	1.3	0.2	40	0.03	0.063	5
1183406	Soil Pulp	10.1	296.4	55.4	156	0.4	25.0	6.8	103	15.50	74.7	211.1	2.0	8	0.1	4.8	0.4	50	0.02	0.067	3
1183407	Soil Pulp	1.4	28.2	6.7	14	0.8	3.4	0.6	18	0.40	9.9	14.8	0.9	17	0.1	0.5	<0.1	33	0.01	0.019	10
1183408	Soil Pulp	4.1	23.9	10.2	131	0.5	24.0	6.3	207	1.90	10.2	5.3	1.2	18	0.3	2.0	0.2	59	0.11	0.098	12
1183409	Soil Pulp	1.6	152.4	11.6	31	1.6	8.1	1.1	17	0.78	3.5	4.0	0.1	8	0.2	0.6	0.1	21	0.03	0.060	4
1183410	Soil Pulp	3.8	24.5	9.0	39	0.2	7.5	2.0	49	1.49	16.2	3.4	0.2	6	<0.1	1.3	0.2	71	0.02	0.031	7
1183411	Soil Pulp	1.5	17.0	5.3	16	0.7	3.7	0.9	26	0.76	10.9	2.1	<0.1	6	<0.1	1.2	0.1	31	0.03	0.040	3
1183412	Soil Pulp	2.3	210.3	13.6	17	0.5	6.5	0.9	14	1.06	4.4	10.4	0.2	9	0.2	0.4	0.2	22	0.02	0.071	5
1183413	Soil Pulp	0.6	186.8	7.2	13	0.3	3.1	0.5	7	0.61	1.9	3.3	<0.1	6	<0.1	0.2	<0.1	14	0.03	0.069	5
1183414	Soil Pulp	3.0	33.3	9.1	45	<0.1	8.4	2.0	64	1.46	13.8	2.7	0.3	6	<0.1	1.1	0.3	52	0.02	0.034	7
1183416	Soil Pulp	3.2	15.0	12.7	67	0.3	10.1	2.7	87	1.94	12.1	3.4	1.8	6	0.2	1.0	0.3	67	0.02	0.053	9
1183417	Soil Pulp	5.7	27.8	21.9	140	0.3	25.2	6.5	174	3.41	35.7	4.9	3.9	7	0.3	2.6	0.3	82	0.02	0.063	11
1183418	Soil Pulp	5.1	12.4	10.8	97	0.2	15.9	3.7	145	2.27	16.9	1.4	1.6	10	0.5	1.8	0.2	80	0.03	0.052	10
1183419	Soil Pulp	6.2	40.0	14.4	174	0.3	31.4	6.0	176	3.17	20.0	3.0	3.1	9	0.4	2.9	0.3	101	0.02	0.053	12
1183420	Soil Pulp	4.3	15.6	14.3	84	3.3	14.7	4.2	130	3.59	19.8	1.5	2.3	6	0.3	1.7	0.3	81	0.02	0.058	8
1183421	Soil Pulp	3.2	26.9	7.5	106	0.5	19.4	3.0	76	1.35	8.9	2.8	0.4	23	0.6	1.5	0.2	60	0.28	0.057	8
1183422	Soil Pulp	3.1	37.8	11.2	129	0.2	26.2	7.1	261	2.41	12.7	5.4	3.8	29	0.7	1.6	0.3	44	0.38	0.104	17

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Page: 4 of 10 Part 2

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Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183393	Soil Pulp	31	0.25	533	0.010	2	1.57	0.003	0.06	0.2	0.07	2.0	0.2	<0.05	6	0.6	<0.2
1183394	Soil Pulp	29	0.18	355	0.011	2	1.18	0.002	0.06	0.2	0.07	1.5	0.1	<0.05	6	1.3	<0.2
1183395	Soil Pulp	20	0.07	271	0.004	1	0.92	0.005	0.08	<0.1	0.08	1.5	0.1	<0.05	5	1.1	<0.2
1183396	Soil Pulp	13	0.07	296	0.004	2	0.79	0.009	0.07	<0.1	0.06	0.6	0.1	<0.05	3	1.2	<0.2
1183397	Soil Pulp	33	0.28	457	0.008	2	1.41	0.004	0.07	0.2	0.08	3.0	0.2	<0.05	4	1.0	<0.2
1183398	Soil Pulp	7	0.02	170	0.012	<1	0.27	0.005	0.05	0.2	0.03	0.6	0.1	<0.05	2	<0.5	<0.2
1183399	Soil Pulp	11	0.02	209	<0.001	3	0.19	0.001	0.03	0.1	0.65	0.9	<0.1	<0.05	<1	3.1	<0.2
1183400	Soil Pulp	13	0.07	186	0.003	2	0.59	0.004	0.05	<0.1	0.04	0.8	<0.1	<0.05	3	0.6	<0.2
1183401	Soil Pulp	11	0.08	663	0.003	<1	0.59	0.012	0.06	<0.1	0.15	1.2	<0.1	<0.05	2	0.9	<0.2
1183402	Soil Pulp	28	0.12	113	0.005	<1	1.48	0.002	0.05	0.2	0.06	2.2	0.3	<0.05	7	1.0	<0.2
1183403	Soil Pulp	14	0.03	5480	0.004	<1	1.89	0.010	0.21	0.2	0.71	1.3	1.3	<0.05	4	5.8	<0.2
1183404	Soil Pulp	13	0.03	343	0.006	<1	0.64	0.005	0.05	0.2	0.08	0.6	1.1	<0.05	3	2.2	<0.2
1183405	Soil Pulp	14	0.06	162	0.003	1	0.55	0.006	0.05	0.1	0.07	0.7	0.2	<0.05	3	0.7	<0.2
1183406	Soil Pulp	33	0.12	249	0.003	1	0.66	0.006	0.06	<0.1	0.07	2.7	0.1	0.46	4	5.9	<0.2
1183407	Soil Pulp	10	0.03	103	0.002	1	0.37	0.003	0.06	<0.1	0.60	0.6	0.5	<0.05	2	<0.5	<0.2
1183408	Soil Pulp	19	0.27	220	0.007	3	0.88	0.004	0.10	0.2	0.14	1.1	0.3	<0.05	3	1.2	<0.2
1183409	Soil Pulp	10	0.04	112	0.004	1	0.46	0.009	0.05	<0.1	0.16	0.4	0.1	<0.05	2	0.6	<0.2
1183410	Soil Pulp	12	0.06	85	0.009	<1	0.64	0.005	0.03	0.2	0.02	0.6	0.1	<0.05	4	<0.5	<0.2
1183411	Soil Pulp	8	0.02	80	0.004	<1	0.37	0.007	0.03	0.1	0.05	0.2	0.1	<0.05	3	<0.5	<0.2
1183412	Soil Pulp	18	0.04	118	0.004	<1	0.68	0.006	0.03	<0.1	0.18	0.8	0.2	<0.05	2	1.1	<0.2
1183413	Soil Pulp	9	0.02	85	0.004	1	0.54	0.006	0.03	<0.1	0.13	0.5	0.1	0.07	2	0.9	<0.2
1183414	Soil Pulp	11	0.10	86	0.006	1	0.64	0.003	0.03	0.2	0.02	0.5	0.1	0.05	3	1.0	<0.2
1183416	Soil Pulp	15	0.15	234	0.010	1	1.19	0.003	0.04	0.3	0.02	1.0	0.1	<0.05	4	0.8	<0.2
1183417	Soil Pulp	26	0.34	180	0.004	2	1.66	0.003	0.07	0.4	0.09	1.7	0.2	<0.05	5	0.9	<0.2
1183418	Soil Pulp	16	0.19	236	0.005	<1	0.89	0.002	0.04	0.3	<0.01	1.0	0.2	<0.05	4	1.3	<0.2
1183419	Soil Pulp	22	0.27	222	0.004	2	1.35	0.004	0.09	0.3	0.07	1.6	0.3	<0.05	4	1.6	<0.2
1183420	Soil Pulp	20	0.15	107	0.006	<1	1.28	0.002	0.05	0.2	0.03	1.2	0.1	<0.05	5	0.7	<0.2
1183421	Soil Pulp	13	0.18	463	0.003	2	0.83	0.011	0.08	0.2	0.09	0.8	0.2	<0.05	3	1.4	<0.2
1183422	Soil Pulp	18	0.35	345	0.009	2	1.00	0.005	0.08	0.4	0.09	1.9	<0.1	<0.05	3	0.6	<0.2

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Project: CCJV  
 Report Date: August 22, 2011

Page: 5 of 10 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11003707.1**

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1183423	Soil Pulp	8.3	37.6	13.2	302	0.7	40.4	8.2	352	2.10	17.4	4.5	2.9	48	2.5	3.7	0.2	113	0.47	0.107	13
1183424	Soil Pulp	8.9	32.6	19.2	107	1.0	18.6	3.2	102	1.86	16.2	3.5	1.3	35	0.6	2.8	0.2	65	0.06	0.075	9
1183425	Soil Pulp	16.1	23.7	10.3	359	0.9	73.8	2.9	53	1.78	20.4	2.1	1.3	117	0.4	11.2	0.2	182	0.34	0.285	8
1183426	Soil Pulp	15.4	10.9	11.7	182	1.0	21.9	1.7	49	1.28	28.2	<0.5	0.2	11	1.0	10.6	0.2	593	0.04	0.071	14
1183428	Soil Pulp	22.3	22.8	16.9	695	1.9	44.1	4.0	135	3.27	35.6	0.9	2.5	20	5.2	5.4	0.3	629	0.03	0.088	10
1183429	Soil Pulp	47.7	39.0	18.9	875	5.9	88.7	4.6	116	3.36	79.2	<0.5	2.8	18	4.3	22.0	0.3	1505	0.08	0.205	11
1183430	Soil Pulp	6.7	8.1	11.0	164	0.3	14.2	3.6	168	1.94	9.3	<0.5	2.4	7	0.4	1.2	0.2	52	0.03	0.033	11
1183431	Soil Pulp	9.2	37.0	13.3	210	0.8	34.0	3.3	63	1.37	10.5	0.8	0.4	30	3.5	2.2	0.2	109	0.18	0.087	8
1183432	Soil Pulp	5.5	15.1	18.1	75	0.7	14.6	2.2	44	1.66	13.4	<0.5	1.2	47	0.6	2.4	0.2	82	0.06	0.125	10
1183433	Soil Pulp	18.4	108.1	54.5	236	0.9	45.1	11.6	261	3.04	55.9	3.6	3.1	101	0.9	7.2	0.3	56	0.78	0.221	15
1183434	Soil Pulp	2.6	11.4	10.9	95	0.3	12.1	8.3	397	1.93	7.8	<0.5	1.5	11	2.9	1.0	0.3	51	0.06	0.064	10
1183435	Soil Pulp	3.3	23.4	8.0	161	0.3	15.5	5.4	271	1.56	8.1	<0.5	1.8	13	1.7	0.9	0.2	61	0.11	0.038	9
1183489	Soil Pulp	2.4	55.7	14.3	166	0.7	43.7	11.3	664	2.66	49.0	3.6	0.7	99	1.4	2.6	0.3	43	0.44	0.098	7
1183490	Soil Pulp	3.2	46.3	14.8	114	1.1	36.2	7.5	230	3.08	44.6	1.8	0.2	16	0.6	2.6	0.2	38	0.02	0.088	3
1183491	Soil Pulp	3.9	29.8	14.4	130	0.6	33.5	5.6	65	2.31	20.4	3.1	0.2	22	0.8	2.2	0.2	46	0.03	0.067	5
1183492	Soil Pulp	2.5	16.9	14.8	97	0.6	32.5	3.9	39	1.42	23.6	4.9	0.6	22	0.1	2.3	0.2	18	0.07	0.051	2
1183493	Soil Pulp	3.5	40.5	10.5	174	3.3	58.2	6.0	310	2.26	28.9	7.4	0.6	70	1.3	3.0	0.2	43	1.65	0.224	16
1183494	Soil Pulp	3.8	68.0	18.5	182	0.7	68.6	15.7	122	6.14	68.5	3.4	1.4	35	0.3	2.9	0.3	41	<0.01	0.128	3
1183495	Soil Pulp	7.7	32.9	19.8	121	0.8	24.3	3.6	77	2.12	42.3	1.5	0.2	38	0.2	5.0	0.4	87	0.03	0.071	7
1183496	Soil Pulp	17.9	46.1	15.5	136	1.7	30.7	3.3	79	2.21	38.6	4.6	0.4	42	0.2	7.6	0.3	168	0.01	0.089	4
1183497	Soil Pulp	28.0	95.6	21.6	70	4.5	20.4	0.7	11	3.69	73.3	2.2	0.6	300	1.9	19.8	0.3	249	0.03	0.252	5
1183498	Soil Pulp	3.3	17.2	13.9	9	1.3	12.0	0.7	8	0.42	3.8	3.7	0.4	6	0.3	2.6	0.3	138	0.01	0.024	2
1183499	Soil Pulp	18.6	30.0	18.1	61	1.6	13.6	2.0	28	1.50	30.3	4.5	0.2	38	0.3	2.7	0.3	102	<0.01	0.063	3
1183500	Soil Pulp	96.5	249.0	21.8	1008	10.1	230.9	12.9	405	7.59	168.3	11.1	1.4	560	8.2	40.2	0.2	1239	0.41	0.573	5
1183501	Soil Pulp	10.0	123.3	22.8	558	0.7	96.5	17.9	884	7.49	41.9	18.4	1.8	41	3.9	5.2	0.3	63	0.07	0.098	5
1183502	Soil Pulp	7.8	108.5	17.2	278	0.5	42.3	8.3	291	3.02	33.7	5.5	0.4	42	1.5	4.3	0.2	68	0.16	0.212	7
1183503	Soil Pulp	7.6	88.6	11.8	160	0.4	30.5	6.0	175	2.42	28.7	3.4	0.2	18	0.9	4.5	0.2	73	0.07	0.126	6
1183504	Soil Pulp	8.7	44.5	12.0	122	0.4	38.3	11.5	279	2.91	13.3	3.9	2.4	23	0.6	2.3	0.2	54	0.47	0.115	18
1183505	Soil Pulp	8.0	75.8	14.7	242	0.3	45.3	10.1	304	2.76	25.5	7.4	0.9	37	1.4	5.8	0.3	91	0.38	0.226	13
1183506	Soil Pulp	9.3	123.3	13.2	224	0.3	50.0	8.9	194	2.74	26.0	15.1	0.4	21	0.7	5.5	0.2	67	0.17	0.185	8

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Project: CCJV  
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Page: 5 of 10 Part 2

**CERTIFICATE OF ANALYSIS** VAN11003707.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	0.2
1183423	Soil Pulp	19	0.27	815	0.006	1	0.97	0.005	0.09	0.2	0.40	2.2	0.4	<0.05	3	3.1	<0.2
1183424	Soil Pulp	15	0.17	476	0.003	3	0.84	0.004	0.10	0.2	0.48	1.2	0.5	0.08	3	2.5	<0.2
1183425	Soil Pulp	33	0.08	259	0.003	3	0.93	0.002	0.05	0.2	0.07	1.0	0.3	<0.05	3	6.1	<0.2
1183426	Soil Pulp	21	0.08	146	0.008	1	0.59	0.002	0.06	0.2	0.02	0.4	0.7	<0.05	3	4.2	<0.2
1183428	Soil Pulp	34	0.23	350	0.006	2	1.50	0.003	0.09	0.3	0.17	1.8	1.2	<0.05	6	4.2	<0.2
1183429	Soil Pulp	78	0.27	292	0.008	3	1.69	0.003	0.14	0.5	0.15	2.3	2.2	<0.05	7	11.0	0.2
1183430	Soil Pulp	12	0.16	186	0.004	<1	0.77	0.002	0.06	<0.1	<0.01	0.9	0.2	<0.05	3	<0.5	<0.2
1183431	Soil Pulp	15	0.12	544	0.003	2	0.72	0.007	0.07	0.2	0.22	0.6	0.3	<0.05	2	1.7	<0.2
1183432	Soil Pulp	12	0.04	259	0.006	1	0.45	0.002	0.08	0.2	0.03	0.8	0.2	0.08	3	1.3	<0.2
1183433	Soil Pulp	11	0.19	770	0.006	5	0.68	0.004	0.20	<0.1	0.34	4.2	0.4	0.11	2	4.0	<0.2
1183434	Soil Pulp	12	0.14	345	0.009	1	0.75	0.004	0.12	0.2	<0.01	1.0	0.1	<0.05	3	0.6	<0.2
1183435	Soil Pulp	14	0.17	426	0.007	1	1.17	0.013	0.06	0.2	0.03	1.3	0.2	<0.05	4	0.9	<0.2
1183489	Soil Pulp	18	0.22	432	0.009	3	0.96	0.004	0.09	<0.1	0.07	2.3	0.1	<0.05	3	2.2	<0.2
1183490	Soil Pulp	14	0.05	436	0.003	1	0.65	0.006	0.06	<0.1	0.04	0.9	<0.1	<0.05	3	1.8	<0.2
1183491	Soil Pulp	10	0.03	364	0.003	2	0.49	0.003	0.05	<0.1	0.04	0.8	0.1	<0.05	2	2.7	<0.2
1183492	Soil Pulp	6	0.01	126	<0.001	2	0.30	0.002	0.04	<0.1	0.20	1.4	0.1	<0.05	1	2.8	<0.2
1183493	Soil Pulp	25	0.04	490	0.003	5	0.65	0.003	0.04	0.1	0.64	2.4	0.2	0.13	1	2.1	<0.2
1183494	Soil Pulp	14	0.03	132	0.002	1	0.63	0.004	0.05	<0.1	0.04	3.2	0.1	0.11	3	3.9	<0.2
1183495	Soil Pulp	12	0.03	197	0.008	4	0.34	0.002	0.09	0.2	0.20	0.6	0.5	0.18	4	3.1	<0.2
1183496	Soil Pulp	16	0.02	487	0.003	5	0.42	0.002	0.13	0.2	1.01	0.8	1.0	0.36	3	6.7	0.2
1183497	Soil Pulp	24	0.02	274	0.003	4	0.50	0.005	0.25	0.2	0.22	1.0	2.4	0.79	3	24.4	<0.2
1183498	Soil Pulp	10	0.02	1112	0.003	5	0.58	0.006	0.06	<0.1	1.43	0.8	0.6	0.16	2	1.5	<0.2
1183499	Soil Pulp	16	0.02	418	0.002	4	0.39	0.004	0.12	0.1	0.56	0.4	0.9	0.25	2	1.9	0.2
1183500	Soil Pulp	105	0.12	112	0.005	5	1.15	0.009	0.36	0.2	9.34	6.6	2.5	0.96	11	27.1	1.1
1183501	Soil Pulp	22	0.12	1058	0.002	4	0.89	0.002	0.13	<0.1	0.24	5.9	0.4	0.18	2	3.2	<0.2
1183502	Soil Pulp	16	0.10	172	0.006	4	0.62	0.002	0.11	<0.1	0.07	1.1	0.2	0.12	3	3.1	<0.2
1183503	Soil Pulp	13	0.07	204	0.002	2	0.60	0.003	0.08	0.2	0.05	0.4	0.2	0.11	3	1.8	0.2
1183504	Soil Pulp	15	0.14	586	0.004	4	0.75	0.003	0.12	0.1	0.16	3.9	0.2	<0.05	2	1.0	<0.2
1183505	Soil Pulp	21	0.25	334	0.005	2	0.89	0.004	0.12	0.1	0.09	1.3	0.2	<0.05	3	2.1	<0.2
1183506	Soil Pulp	14	0.11	221	0.003	2	0.61	0.003	0.09	0.1	0.11	1.0	0.2	<0.05	3	2.6	<0.2

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Page: 6 of 10 Part 1

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VAN11003707.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm		
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
1183507	Soil Pulp			5.2	69.6	10.0	147	0.5	31.0	5.6	309	1.92	18.5	8.0	0.2	20	0.6	2.9	0.2	58	0.22	0.150	8
1185888	Soil Pulp			2.7	102.2	12.1	150	0.5	56.0	15.4	630	3.32	76.9	9.2	1.0	45	0.2	11.1	0.3	75	0.04	0.093	12
1185889	Soil Pulp			3.0	49.6	10.9	57	0.2	20.2	3.9	199	2.45	39.9	4.8	0.1	19	0.1	4.2	0.4	69	0.05	0.087	10
1185890	Soil Pulp			2.7	73.6	11.2	73	0.7	22.9	13.4	516	2.63	185.8	8.6	2.5	28	0.2	19.0	0.3	40	0.07	0.091	12
1185891	Soil Pulp			3.2	68.4	18.2	111	0.4	34.2	8.1	418	4.34	112.2	9.5	0.8	37	0.1	10.5	0.4	58	0.04	0.094	15
1186153	Soil Pulp			5.0	30.4	19.0	78	0.2	17.4	4.8	195	3.68	28.2	2.1	0.2	15	<0.1	4.0	0.5	116	0.04	0.095	9
1370020	Soil Pulp			6.6	44.9	26.0	131	0.9	24.7	6.1	162	4.85	179.7	69.1	4.8	66	0.2	9.5	0.6	73	0.04	0.073	12
1370021	Soil Pulp			6.1	18.5	28.2	18	0.2	4.6	0.8	66	2.87	241.4	11.4	5.6	11	<0.1	15.3	0.5	37	<0.01	0.052	32
1370022	Soil Pulp			6.9	83.1	37.5	19	3.3	5.1	0.8	31	3.37	592.0	28.6	11.1	93	<0.1	43.3	0.7	81	0.02	0.108	42
1370023	Soil Pulp			3.0	44.8	12.1	88	0.6	29.5	8.3	261	3.37	57.8	6.5	0.4	22	0.2	4.1	0.3	60	0.04	0.072	11
1370024	Soil Pulp			3.1	53.2	18.5	105	0.5	31.9	8.9	299	4.12	161.0	10.3	1.6	34	0.3	12.5	0.5	63	0.07	0.089	15
1370025	Soil Pulp			2.3	67.1	14.8	114	0.5	39.0	14.9	479	3.08	145.1	18.8	5.5	27	0.1	8.6	0.5	44	0.09	0.072	18
1370026	Soil Pulp			2.3	41.9	12.9	88	0.2	31.0	10.0	395	3.13	68.2	14.9	3.1	17	0.2	4.2	0.5	47	0.06	0.073	15
1370027	Soil Pulp			6.7	105.0	38.7	53	2.0	10.7	2.2	110	8.26	477.5	24.0	7.9	83	<0.1	30.5	1.4	59	0.01	0.254	37
1370028	Soil Pulp			2.4	95.0	21.1	91	0.9	28.7	9.0	317	5.40	324.9	23.0	5.2	56	0.1	24.0	0.7	62	0.05	0.114	18
1370029	Soil Pulp			6.9	44.9	39.9	24	3.0	4.8	0.9	33	3.07	574.4	78.4	1.9	106	0.2	36.0	23.9	48	0.02	0.144	35
1370030	Soil Pulp			3.4	60.0	20.8	88	1.0	23.9	6.6	239	3.51	451.3	40.6	2.0	34	0.3	14.7	7.1	52	0.04	0.086	15
1370031	Soil Pulp			3.3	82.2	19.3	85	2.3	26.5	6.2	296	4.94	209.2	19.4	4.5	32	0.1	13.1	0.4	52	0.02	0.129	19
1370032	Soil Pulp			3.9	55.9	16.6	118	0.6	27.1	9.1	482	4.38	125.6	8.7	3.0	22	0.3	8.1	0.4	50	0.03	0.071	14
1370033	Soil Pulp			3.2	88.4	27.0	103	1.6	23.5	7.0	620	4.94	563.1	28.5	5.2	48	0.2	17.1	0.4	56	0.02	0.127	22
1370034	Soil Pulp			3.1	33.5	16.6	121	0.6	32.6	7.3	309	2.80	63.0	4.6	1.3	24	1.0	3.5	0.5	37	0.04	0.113	13
1370035	Soil Pulp			1.5	37.5	12.3	93	1.0	38.2	6.4	258	2.27	104.0	25.5	1.9	85	0.2	3.0	0.5	31	1.10	0.098	15
1370036	Soil Pulp			3.5	73.2	26.4	273	1.4	110.8	23.8	517	5.70	63.7	6.2	4.5	49	0.6	2.8	0.4	47	0.27	0.112	22
1370037	Soil Pulp			3.7	58.9	21.3	106	0.6	32.5	7.5	285	3.54	102.4	5.6	0.6	28	0.2	5.2	0.5	55	0.01	0.092	12
1370038	Soil Pulp			3.5	29.9	22.2	48	1.2	16.1	4.1	291	2.02	62.4	5.4	0.2	30	0.1	6.1	0.4	37	0.02	0.150	7
1370039	Soil Pulp			4.6	53.5	32.4	105	0.6	34.4	6.7	156	3.61	418.1	23.8	0.2	59	0.2	24.0	0.9	89	0.01	0.087	14
1370040	Soil Pulp			4.6	16.4	9.1	49	0.8	9.9	1.9	36	1.10	15.1	1.3	0.1	11	0.2	3.9	0.2	46	<0.01	0.032	9
1370041	Soil Pulp			3.8	27.3	17.9	102	0.3	18.4	4.7	98	3.74	43.7	2.1	1.5	17	0.3	4.8	0.4	60	<0.01	0.051	8
1370042	Soil Pulp			4.9	27.9	21.3	117	0.6	19.2	5.8	64	2.90	31.0	1.4	1.5	18	1.2	6.7	0.4	56	<0.01	0.053	9
1370043	Soil Pulp			2.7	19.7	10.9	99	0.2	16.7	4.8	84	2.07	15.9	0.7	0.1	10	0.8	2.1	0.3	51	0.02	0.056	6

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Project: CCJV  
 Report Date: August 22, 2011

Page: 6 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11003707.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183507	Soil Pulp	13	0.09	391	0.005	3	0.74	0.011	0.08	0.2	0.13	0.6	0.2	<0.05	3	1.3	<0.2
1185888	Soil Pulp	62	0.74	1329	0.040	<1	2.18	0.013	0.22	0.1	0.04	3.1	0.5	0.09	6	1.8	<0.2
1185889	Soil Pulp	38	0.38	486	0.025	<1	1.55	0.008	0.10	0.3	0.05	0.7	0.2	<0.05	7	1.8	<0.2
1185890	Soil Pulp	29	0.28	419	0.028	1	1.10	0.013	0.07	0.2	0.04	1.9	0.6	<0.05	4	3.2	<0.2
1185891	Soil Pulp	39	0.52	265	0.019	2	1.73	0.004	0.10	0.3	0.04	1.1	0.3	<0.05	5	2.2	<0.2
1186153	Soil Pulp	24	0.13	114	0.011	1	0.89	0.004	0.05	0.3	0.05	0.7	0.2	<0.05	8	1.6	<0.2
1370020	Soil Pulp	22	0.19	225	0.035	<1	0.87	0.003	0.07	0.4	0.04	1.5	0.4	0.08	4	5.4	0.3
1370021	Soil Pulp	16	0.18	150	0.004	<1	0.66	0.002	0.05	0.2	0.02	0.9	0.2	<0.05	3	3.1	<0.2
1370022	Soil Pulp	52	0.08	685	0.005	<1	0.68	0.005	0.12	1.3	0.07	3.4	0.8	0.19	5	17.3	0.3
1370023	Soil Pulp	32	0.34	133	0.025	1	1.50	0.010	0.07	0.3	0.05	1.0	0.2	0.05	5	2.0	<0.2
1370024	Soil Pulp	35	0.44	249	0.039	<1	1.71	0.005	0.12	0.4	0.06	1.7	0.4	<0.05	6	1.8	<0.2
1370025	Soil Pulp	29	0.51	432	0.069	1	1.71	0.012	0.18	2.0	0.02	2.7	0.3	<0.05	6	1.4	<0.2
1370026	Soil Pulp	31	0.50	321	0.068	1	2.46	0.009	0.16	3.0	0.03	2.5	0.2	<0.05	6	1.0	<0.2
1370027	Soil Pulp	53	0.19	543	0.009	2	1.04	0.008	0.17	0.3	0.06	3.1	0.9	0.20	4	14.8	0.4
1370028	Soil Pulp	55	0.79	460	0.071	<1	1.80	0.005	0.17	<0.1	0.06	2.9	0.5	0.06	6	5.3	<0.2
1370029	Soil Pulp	30	0.04	708	0.004	3	0.59	0.004	0.22	0.2	0.08	1.2	0.6	0.23	4	13.3	0.5
1370030	Soil Pulp	31	0.28	974	0.016	1	1.29	0.003	0.07	0.3	0.07	1.7	0.2	<0.05	4	4.5	<0.2
1370031	Soil Pulp	44	0.51	273	0.009	2	1.96	0.004	0.08	0.3	0.05	2.6	0.2	<0.05	6	3.0	<0.2
1370032	Soil Pulp	33	0.32	304	0.015	1	1.37	0.004	0.07	0.5	0.04	1.8	0.2	<0.05	6	1.7	<0.2
1370033	Soil Pulp	46	0.76	810	0.002	<1	2.20	0.003	0.09	<0.1	0.05	3.4	0.1	<0.05	6	2.9	<0.2
1370034	Soil Pulp	24	0.30	291	0.006	3	1.13	0.006	0.07	0.2	0.10	1.5	0.1	<0.05	3	1.6	<0.2
1370035	Soil Pulp	29	0.39	449	0.005	3	1.11	0.008	0.06	0.2	0.17	2.1	0.1	0.05	3	2.6	<0.2
1370036	Soil Pulp	38	0.54	554	0.002	2	1.76	0.006	0.08	0.2	0.17	4.0	0.2	<0.05	4	3.5	<0.2
1370037	Soil Pulp	22	0.11	194	0.005	2	0.92	0.003	0.07	0.2	0.04	1.0	0.2	<0.05	5	2.1	<0.2
1370038	Soil Pulp	14	0.04	415	0.003	3	0.76	0.010	0.07	0.1	0.26	0.3	0.3	0.07	3	2.5	<0.2
1370039	Soil Pulp	19	0.04	173	0.005	2	0.62	0.008	0.05	0.3	0.13	0.5	0.2	<0.05	4	4.6	0.4
1370040	Soil Pulp	8	0.02	154	0.008	2	0.37	0.007	0.05	0.1	0.04	0.3	0.1	<0.05	3	1.9	<0.2
1370041	Soil Pulp	16	0.08	354	0.012	2	0.83	0.004	0.06	0.2	0.03	1.5	0.2	<0.05	5	2.2	<0.2
1370042	Soil Pulp	11	0.04	217	0.003	1	0.79	0.003	0.05	<0.1	0.04	1.6	0.2	<0.05	3	1.1	<0.2
1370043	Soil Pulp	12	0.06	115	0.005	1	0.71	0.008	0.05	0.1	0.01	0.5	0.1	<0.05	4	0.6	<0.2

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Project: CCJV  
 Report Date: August 22, 2011

Page: 7 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11003707.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
1370044	Soil Pulp	7.6	17.0	51.9	33	3.2	8.5	1.1	41	1.58	30.3	4.4	0.2	28	0.3	11.2	0.3	47	0.04	0.084	8
1370045	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1370046	Soil Pulp	7.5	51.5	33.6	156	1.7	44.8	7.2	155	4.19	38.7	4.5	2.1	110	0.4	9.5	0.4	43	0.03	0.200	5
1370047	Soil Pulp	0.9	20.1	9.3	31	1.4	6.9	2.6	170	1.30	17.0	1.8	0.1	13	0.2	0.6	0.2	22	0.04	0.055	2
1370048	Soil Pulp	2.1	44.9	18.5	80	3.3	16.5	6.6	2205	2.15	123.3	4.5	0.2	41	0.6	10.3	0.3	39	0.09	0.089	4
1370049	Soil Pulp	2.4	29.1	16.2	60	2.4	18.4	4.2	122	2.89	139.2	12.9	0.5	30	0.2	5.9	0.3	32	0.02	0.086	6
1370050	Soil Pulp	2.1	31.7	23.9	70	1.1	24.0	5.3	221	5.32	219.0	8.6	1.8	31	0.2	6.9	0.3	31	0.01	0.082	3
1370119	Soil Pulp	2.6	57.5	10.5	115	0.8	32.9	7.6	205	2.93	201.0	15.3	1.6	23	0.5	6.7	0.4	41	0.06	0.071	14
1370120	Soil Pulp	11.0	45.7	18.1	300	1.1	37.7	5.6	173	2.60	32.6	3.7	1.2	29	3.4	5.6	0.3	81	0.15	0.142	11
1370121	Soil Pulp	11.7	57.4	19.6	339	0.4	66.3	12.5	405	2.98	38.3	5.5	4.0	33	2.1	6.7	0.3	91	0.24	0.141	18
1370122	Soil Pulp	7.0	11.3	14.2	57	1.0	8.0	1.6	38	1.11	15.7	2.3	0.6	29	1.2	4.4	0.3	89	0.02	0.055	17
1370123	Soil Pulp	14.0	25.6	15.9	142	3.6	24.3	1.9	53	2.42	28.5	3.4	1.5	45	1.5	7.9	0.3	301	0.04	0.425	14
1370124	Soil Pulp	20.5	47.3	19.3	116	2.7	24.7	4.3	101	2.65	52.7	7.8	2.9	41	1.0	13.4	0.3	137	0.09	0.246	14
1370125	Soil Pulp	14.0	22.8	18.4	90	2.7	17.0	1.8	37	1.53	16.0	2.3	1.0	65	2.2	6.5	0.3	170	0.05	0.209	14
1370126	Soil Pulp	7.1	20.4	17.3	80	4.1	13.9	2.8	92	3.15	33.1	2.7	2.5	28	1.2	4.7	0.3	134	0.04	0.415	14
1370127	Soil Pulp	21.4	62.4	13.3	155	9.2	33.8	2.8	61	2.85	61.7	9.0	4.2	127	1.2	13.5	0.2	245	0.29	0.446	16
1370128	Soil Pulp	8.9	15.9	13.7	49	0.9	7.5	1.1	22	0.78	9.2	4.8	0.1	46	0.8	3.6	0.3	136	0.02	0.052	20
1370129	Soil Pulp	12.8	21.0	15.4	127	1.5	23.2	2.5	76	2.17	33.0	5.0	1.7	72	1.1	6.2	0.3	190	0.18	0.320	17
1370130	Soil Pulp	12.1	35.3	13.0	123	1.7	24.0	2.8	91	2.40	88.3	17.1	3.0	62	0.8	13.7	0.5	167	0.12	0.209	19
1370134	Soil Pulp	14.3	53.1	11.9	1188	6.5	82.3	2.2	63	1.57	57.8	12.2	0.5	81	30.9	32.7	0.2	186	0.42	0.156	15
1370135	Soil Pulp	12.5	22.5	20.3	98	1.5	16.8	2.2	79	2.18	74.5	2.8	0.2	62	0.7	12.3	0.4	261	0.05	0.174	17
1370136	Soil Pulp	12.0	22.6	21.4	177	6.0	23.7	4.6	195	4.05	95.0	7.7	1.0	47	1.4	10.1	0.3	251	0.13	0.373	13
1370137	Soil Pulp	13.5	17.0	21.9	145	3.2	21.0	4.2	192	4.06	75.9	4.9	2.0	26	1.1	10.2	0.4	201	0.06	0.276	12
1370144	Soil Pulp	12.2	37.2	28.3	114	1.2	22.8	5.5	199	5.82	87.3	7.2	2.2	124	0.2	7.9	0.3	71	0.03	0.249	10
1370145	Soil Pulp	14.7	43.3	19.1	190	3.2	32.4	1.7	30	1.36	40.2	5.4	0.4	92	0.5	11.3	0.4	258	0.02	0.085	10
1370146	Soil Pulp	2.9	20.7	14.7	86	0.2	23.4	6.1	123	2.02	21.9	1.9	1.2	27	0.1	1.7	0.2	34	0.03	0.063	5
1370147	Soil Pulp	34.8	78.2	13.3	367	8.2	44.8	1.5	26	1.61	64.1	10.4	1.1	96	4.1	30.5	0.2	453	0.16	0.213	22
1370148	Soil Pulp	39.4	154.5	11.6	385	7.6	82.1	2.5	44	2.10	93.9	11.7	1.9	130	7.6	30.5	0.2	838	0.23	0.334	20
1370149	Soil Pulp	16.5	45.6	13.3	304	1.6	56.5	4.5	129	2.47	32.7	3.4	0.7	35	0.7	8.4	0.2	260	0.03	0.163	11
1370150	Soil Pulp	20.4	32.4	8.9	367	0.2	41.8	2.4	28	4.36	11.4	1.7	1.9	3	<0.1	3.9	0.2	62	<0.01	0.081	14

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Page: 7 of 10 Part 2

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Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1370044	Soil Pulp	6	0.03	1077	0.002	3	0.48	0.008	0.13	<0.1	0.23	0.3	0.3	0.17	2	4.6	<0.2
1370045	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1370046	Soil Pulp	15	0.04	725	0.003	3	1.32	0.006	0.13	<0.1	0.18	3.3	0.4	0.17	3	3.9	<0.2
1370047	Soil Pulp	7	0.04	104	0.013	2	0.76	0.015	0.04	<0.1	0.11	0.3	<0.1	0.10	3	1.2	<0.2
1370048	Soil Pulp	18	0.04	320	0.003	3	0.59	0.008	0.08	0.1	0.04	0.3	0.2	0.13	3	2.2	<0.2
1370049	Soil Pulp	22	0.10	141	0.004	2	0.85	0.007	0.06	0.2	0.23	0.6	0.1	0.13	3	3.0	<0.2
1370050	Soil Pulp	17	0.10	1041	0.001	2	0.95	0.003	0.09	0.2	0.23	1.7	0.2	0.16	3	2.4	<0.2
1370119	Soil Pulp	23	0.33	363	0.027	2	1.37	0.009	0.07	1.7	0.04	1.5	0.3	0.07	4	1.7	<0.2
1370120	Soil Pulp	21	0.21	468	0.006	4	0.85	0.006	0.09	0.3	0.20	1.4	0.3	0.06	3	2.9	<0.2
1370121	Soil Pulp	45	0.43	713	0.025	3	0.91	0.003	0.10	0.3	0.19	3.4	0.3	<0.05	3	1.9	<0.2
1370122	Soil Pulp	11	0.03	241	0.010	2	0.42	0.002	0.05	0.4	0.03	0.6	0.3	<0.05	3	4.0	<0.2
1370123	Soil Pulp	43	0.09	422	0.009	2	1.23	0.003	0.06	0.5	0.15	1.4	0.6	<0.05	5	7.6	<0.2
1370124	Soil Pulp	29	0.23	466	0.007	2	1.18	0.003	0.10	0.5	0.49	1.9	0.6	<0.05	4	15.0	<0.2
1370125	Soil Pulp	32	0.06	741	0.019	3	0.77	0.005	0.08	0.4	0.13	1.1	0.6	0.09	6	8.6	<0.2
1370126	Soil Pulp	29	0.12	440	0.012	3	1.06	0.004	0.07	0.5	0.09	1.5	0.3	<0.05	5	3.7	<0.2
1370127	Soil Pulp	49	0.14	934	0.009	2	1.83	0.004	0.12	0.6	1.19	2.3	0.8	0.11	4	13.3	0.2
1370128	Soil Pulp	21	0.03	443	0.004	1	0.47	0.003	0.06	0.5	0.03	0.2	0.5	0.06	4	4.8	<0.2
1370129	Soil Pulp	35	0.14	533	0.014	3	0.94	0.004	0.11	0.6	0.14	1.2	0.5	<0.05	4	6.7	<0.2
1370130	Soil Pulp	31	0.23	456	0.016	4	1.19	0.006	0.09	4.8	0.58	1.6	0.6	0.07	4	8.7	<0.2
1370134	Soil Pulp	37	0.13	621	0.010	2	0.94	0.010	0.09	1.8	1.15	0.9	0.7	0.10	3	8.3	0.7
1370135	Soil Pulp	29	0.13	406	0.011	2	0.84	0.003	0.10	1.1	0.06	0.6	0.4	<0.05	5	7.4	<0.2
1370136	Soil Pulp	42	0.29	409	0.015	4	1.32	0.005	0.14	1.0	0.26	1.3	0.4	<0.05	6	5.3	<0.2
1370137	Soil Pulp	31	0.27	287	0.017	1	1.29	0.004	0.10	0.9	0.09	1.6	0.3	<0.05	6	4.0	<0.2
1370144	Soil Pulp	33	0.15	653	0.004	3	0.90	0.009	0.17	0.2	0.28	1.9	0.8	0.28	3	6.1	0.2
1370145	Soil Pulp	40	0.03	489	0.004	4	0.44	0.004	0.08	0.2	1.09	0.4	1.3	0.13	4	8.1	0.3
1370146	Soil Pulp	9	0.04	212	0.001	3	0.53	0.006	0.07	<0.1	0.03	1.5	0.2	0.06	2	0.7	<0.2
1370147	Soil Pulp	42	0.03	473	0.003	6	0.55	0.004	0.10	0.6	3.24	1.4	2.4	0.16	3	11.6	0.2
1370148	Soil Pulp	87	0.05	685	0.005	12	0.85	0.004	0.15	0.6	4.16	3.1	2.7	0.24	5	20.9	0.2
1370149	Soil Pulp	39	0.07	218	0.008	4	0.67	0.004	0.09	0.2	0.20	1.1	0.8	0.09	4	7.1	<0.2
1370150	Soil Pulp	18	0.03	94	0.004	11	0.38	0.002	0.11	<0.1	0.06	1.5	0.3	<0.05	3	6.0	<0.2

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Project: CCJV  
 Report Date: August 22, 2011

Page: 8 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11003707.1

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1370248	Soil Pulp	4.6	47.1	18.1	120	0.4	30.2	8.2	370	3.42	257.2	26.1	0.1	23	0.2	4.9	0.4	52	0.02	0.148	6
1370249	Soil Pulp	2.3	66.8	41.4	87	0.4	14.7	2.9	52	7.23	59.6	32.2	1.9	121	<0.1	4.7	0.4	42	<0.01	0.118	2
1370250	Soil Pulp	2.8	89.3	15.7	198	0.6	48.9	7.8	137	7.51	43.3	8.6	5.5	29	<0.1	2.1	0.3	20	<0.01	0.102	3
1370251	Soil Pulp	3.5	45.3	26.7	144	0.2	40.2	15.6	1032	3.93	105.6	9.1	0.3	17	0.2	4.0	0.5	45	0.03	0.120	4
1370252	Soil Pulp	2.8	82.5	29.7	238	0.4	86.5	41.7	6545	6.77	111.1	19.3	1.9	106	0.4	5.4	0.3	30	0.57	0.191	8
1370253	Soil Pulp	5.7	58.1	13.6	196	0.9	54.8	6.9	123	2.57	116.5	5.8	0.4	41	0.5	5.0	0.3	43	0.06	0.156	7
1370254	Soil Pulp	3.5	97.4	52.3	88	0.8	20.6	9.2	817	5.36	296.8	98.1	5.4	18	<0.1	23.0	1.3	19	0.02	0.084	13
1370255	Soil Pulp	14.5	38.8	18.1	42	1.0	15.0	1.6	243	1.42	28.9	6.4	0.8	106	0.3	5.1	0.2	44	0.11	0.079	13
1370256	Soil Pulp	3.7	155.8	49.5	96	0.5	27.6	15.5	1977	5.35	177.1	37.1	3.5	28	0.2	23.8	0.8	28	<0.01	0.093	6
1370257	Soil Pulp	4.9	159.7	32.6	126	0.3	23.7	10.5	863	9.39	76.9	34.2	3.1	15	<0.1	6.2	0.4	40	0.01	0.128	3
1370258	Soil Pulp	7.7	165.2	34.9	109	0.3	28.6	12.9	1244	6.82	66.5	39.5	3.6	25	<0.1	4.0	0.3	32	0.02	0.111	4
1370259	Soil Pulp	6.7	229.9	45.2	191	0.7	80.4	32.6	5568	8.78	28.3	43.9	3.2	34	0.2	3.1	0.5	31	0.05	0.123	4
1370260	Soil Pulp	8.6	40.4	19.7	43	1.0	10.0	2.1	61	2.00	99.6	15.5	0.2	150	<0.1	5.7	0.3	42	0.02	0.165	3
1370261	Soil Pulp	4.6	87.6	22.0	270	1.4	122.5	25.5	1049	4.71	20.7	9.1	3.1	29	1.1	2.7	0.4	25	0.13	0.125	10
1370262	Soil Pulp	3.1	118.2	30.0	170	0.8	74.6	36.7	2084	3.25	81.4	43.3	2.6	42	0.2	3.4	0.5	26	0.27	0.084	6
1370263	Soil Pulp	5.1	142.5	49.8	278	0.8	105.0	56.4	2126	5.12	162.6	28.8	1.4	86	0.6	6.1	0.4	40	0.21	0.147	6
1370264	Soil Pulp	3.9	110.0	30.8	260	1.1	68.8	16.0	667	5.11	147.9	24.7	2.0	127	1.0	7.7	0.4	40	0.15	0.094	4
1370265	Soil Pulp	26.4	39.7	17.8	28	1.1	15.6	0.8	13	1.73	57.4	3.2	0.2	80	0.3	10.3	0.2	84	0.02	0.063	2
1370266	Soil Pulp	4.2	78.2	11.8	219	0.8	27.7	4.2	64	4.58	97.0	6.7	0.8	26	0.5	4.1	0.4	39	0.05	0.073	<1
1370267	Soil Pulp	7.3	11.8	5.2	44	0.3	14.2	1.7	18	0.87	11.5	4.1	<0.1	25	0.2	1.8	0.1	37	0.04	0.062	2
1370268	Soil Pulp	54.7	128.8	14.2	384	5.8	96.9	2.0	26	2.05	80.9	7.7	0.2	70	2.1	30.3	0.2	448	0.05	0.179	9
1370269	Soil Pulp	21.3	54.4	7.9	84	3.4	24.9	0.5	14	0.67	10.8	2.6	<0.1	44	2.8	5.8	0.2	230	0.07	0.099	5
1370270	Soil Pulp	26.9	37.3	5.6	39	1.8	13.3	0.7	46	0.63	15.2	7.1	<0.1	19	1.6	4.9	0.1	178	0.01	0.072	5
1370271	Soil Pulp	21.1	88.5	8.5	525	3.1	88.7	5.6	380	1.41	33.7	4.6	0.1	86	6.5	10.8	0.1	198	0.59	0.233	11
1370272	Soil Pulp	6.7	79.9	7.0	749	5.5	149.0	8.4	317	1.72	31.9	8.3	1.0	531	3.5	9.0	0.1	151	5.00	0.263	5
1370273	Soil Pulp	7.7	25.0	3.0	175	0.6	29.4	1.5	47	0.53	7.5	3.4	<0.1	49	3.1	3.6	<0.1	103	0.64	0.064	4
1370274	Soil Pulp	7.1	33.0	13.2	164	0.4	37.5	7.2	158	2.95	20.4	3.7	0.3	11	0.6	2.9	0.3	116	0.05	0.084	8
1370275	Soil Pulp	1.6	55.4	26.9	66	0.4	18.7	3.6	48	8.57	16.0	22.9	2.8	28	<0.1	1.8	0.5	29	<0.01	0.077	3
1370276	Soil Pulp	5.9	86.9	18.0	546	5.4	135.2	16.1	160	3.87	25.5	10.0	0.4	35	0.7	7.4	0.4	103	0.01	0.122	5
1370277	Soil Pulp	6.5	52.9	20.9	161	0.5	44.0	9.6	512	4.40	21.0	7.0	0.6	25	0.3	3.6	0.2	73	0.02	0.063	4

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Project: CCJV  
 Report Date: August 22, 2011

Page: 8 of 10 Part 2

**CERTIFICATE OF ANALYSIS**

**VAN11003707.1**

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1370248	Soil Pulp	22	0.03	474	0.004	3	0.55	0.003	0.09	0.2	0.13	0.7	0.2	0.16	2	1.7	<0.2
1370249	Soil Pulp	17	0.04	493	0.001	4	0.63	0.005	0.17	<0.1	0.19	2.5	0.2	0.19	3	1.5	0.2
1370250	Soil Pulp	13	0.02	997	0.001	5	0.42	0.002	0.12	<0.1	0.29	5.8	0.1	0.11	1	3.1	<0.2
1370251	Soil Pulp	22	0.05	363	0.004	3	0.65	0.003	0.08	<0.1	0.11	0.7	0.2	0.12	3	1.3	0.2
1370252	Soil Pulp	19	0.27	3381	0.005	6	1.01	0.004	0.12	<0.1	0.19	5.3	0.3	0.09	2	2.0	<0.2
1370253	Soil Pulp	14	0.05	701	0.001	2	0.52	0.004	0.09	<0.1	0.21	0.8	0.5	0.18	2	2.0	<0.2
1370254	Soil Pulp	12	0.10	472	0.003	3	0.80	0.007	0.11	0.2	0.18	4.9	0.5	0.13	2	4.3	<0.2
1370255	Soil Pulp	10	0.03	693	0.002	5	0.31	0.010	0.12	0.1	1.14	1.0	1.4	0.31	1	3.0	0.4
1370256	Soil Pulp	17	0.11	502	0.005	2	0.93	0.005	0.10	0.1	0.11	4.3	0.4	0.16	2	5.1	0.3
1370257	Soil Pulp	38	0.10	332	0.014	2	0.84	0.007	0.07	0.1	0.04	4.9	0.2	0.14	3	2.0	0.3
1370258	Soil Pulp	36	0.13	873	0.004	6	1.16	0.009	0.11	<0.1	0.03	4.7	0.3	0.15	3	2.8	<0.2
1370259	Soil Pulp	50	0.15	1026	0.005	5	1.26	0.012	0.11	0.1	0.12	6.0	0.3	0.22	3	1.8	0.3
1370260	Soil Pulp	9	0.02	644	0.002	5	0.40	0.006	0.11	<0.1	0.14	0.4	0.5	0.34	1	5.3	0.2
1370261	Soil Pulp	21	0.14	3094	0.002	3	0.74	0.004	0.09	<0.1	0.46	7.9	0.3	0.09	1	2.4	<0.2
1370262	Soil Pulp	26	0.29	616	0.003	2	1.01	0.003	0.07	<0.1	0.26	7.1	0.2	0.10	3	1.0	0.4
1370263	Soil Pulp	23	0.20	1504	0.005	2	1.04	0.004	0.09	0.1	0.14	4.4	0.3	0.18	2	4.2	<0.2
1370264	Soil Pulp	11	0.07	1423	<0.001	3	0.59	0.003	0.15	<0.1	0.33	4.9	0.3	0.29	1	2.3	<0.2
1370265	Soil Pulp	8	0.01	610	<0.001	5	0.23	0.002	0.12	0.5	3.39	0.6	1.2	0.44	1	4.2	0.4
1370266	Soil Pulp	20	0.02	1231	<0.001	1	0.46	0.002	0.07	<0.1	0.19	2.8	0.2	0.13	2	3.3	<0.2
1370267	Soil Pulp	5	0.01	688	0.004	<1	0.31	0.014	0.05	<0.1	0.21	0.2	0.5	0.19	1	1.1	<0.2
1370268	Soil Pulp	48	0.02	496	0.002	3	0.50	0.002	0.10	0.3	2.50	0.6	3.4	0.26	4	19.0	0.5
1370269	Soil Pulp	28	0.02	488	<0.001	6	0.27	0.001	0.08	0.1	0.58	0.2	1.3	0.22	2	9.9	0.3
1370270	Soil Pulp	15	0.01	351	0.002	2	0.37	0.008	0.05	0.2	1.14	0.2	1.7	0.12	2	6.2	<0.2
1370271	Soil Pulp	49	0.06	1042	0.002	2	0.47	0.004	0.08	0.2	0.83	0.9	0.6	0.19	2	10.8	0.4
1370272	Soil Pulp	42	2.74	1298	0.002	6	0.38	0.004	0.07	<0.1	2.55	3.0	0.2	0.15	<1	6.4	0.3
1370273	Soil Pulp	14	0.01	670	0.006	<1	0.36	0.014	0.02	<0.1	0.19	0.5	0.2	0.12	1	3.4	<0.2
1370274	Soil Pulp	24	0.16	226	0.007	3	1.08	0.002	0.06	0.1	0.10	0.8	0.3	0.07	5	1.9	<0.2
1370275	Soil Pulp	29	0.04	254	0.004	6	0.35	0.003	0.19	<0.1	0.07	7.0	0.2	0.32	4	2.1	<0.2
1370276	Soil Pulp	29	0.02	310	0.003	2	0.55	0.001	0.06	<0.1	0.39	1.2	0.2	0.18	2	19.7	<0.2
1370277	Soil Pulp	17	0.04	332	0.003	3	0.54	0.003	0.20	<0.1	0.12	2.0	0.3	0.29	3	2.1	<0.2

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Project: CCJV  
 Report Date: August 22, 2011

Page: 9 of 10 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11003707.1**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1370278	Soil Pulp	0.8	6.0	2.1	15	0.2	3.7	1.1	66	0.51	2.8	0.6	<0.1	6	<0.1	0.3	<0.1	12	0.02	0.081	<1
1370279	Soil Pulp	2.5	97.9	20.5	192	0.2	47.0	14.0	470	6.34	31.7	5.7	0.7	30	0.2	1.9	0.4	28	0.03	0.113	3
1370280	Soil Pulp	3.4	56.2	17.5	159	0.4	28.2	4.2	79	2.94	36.8	3.2	0.5	55	0.3	4.4	0.2	55	0.01	0.114	4
1370281	Soil Pulp	2.3	43.2	10.2	73	<0.1	20.5	7.7	1170	3.21	24.9	3.7	0.2	11	0.1	1.6	0.3	41	0.02	0.077	3
1370282	Soil Pulp	2.7	171.2	17.3	190	0.2	80.6	24.3	1121	6.06	453.6	16.9	0.3	10	0.2	27.4	0.5	71	0.08	0.116	5
1370283	Soil Pulp	5.0	88.5	18.8	148	1.0	81.1	8.0	188	8.88	88.8	88.8	8.8	88	8.8	5.0	8.8	11	0.11	0.181	18
1370501	Soil Pulp	2.1	38.7	18.5	114	0.7	32.2	7.4	253	3.49	44.8	9.5	1.9	15	0.3	2.0	0.2	31	0.02	0.053	4
1370502	Soil Pulp	2.0	29.3	23.4	72	2.3	16.0	3.2	93	2.36	84.8	2.3	1.1	8	0.3	8.3	0.2	45	0.01	0.040	6
1370503	Soil Pulp	1.5	22.2	14.7	122	1.2	17.2	8.0	195	2.74	23.8	4.1	0.2	15	1.2	2.3	0.3	41	0.04	0.076	4
1370504	Soil Pulp	2.6	71.8	57.8	125	1.4	45.5	20.9	1265	4.02	97.4	28.8	2.3	24	0.2	5.7	0.3	24	0.03	0.086	7
1370505	Soil Pulp	0.9	10.7	8.5	27	1.7	6.6	1.9	68	0.96	53.6	2.9	<0.1	8	0.2	0.9	<0.1	21	0.02	0.026	2
1370506	Soil Pulp	1.7	30.4	20.3	120	1.1	20.6	4.4	170	1.89	21.5	2.6	0.3	32	0.8	1.1	0.2	38	0.16	0.041	5
1370507	Soil Pulp	1.8	18.4	15.2	49	0.5	15.5	3.7	98	1.73	38.3	9.2	1.2	34	0.1	1.1	0.2	22	0.33	0.044	3
1370508	Soil Pulp	3.4	48.8	24.7	215	0.9	56.2	8.5	226	2.71	31.3	10.7	1.9	63	1.7	3.1	0.2	28	0.47	0.066	3
1370509	Soil Pulp	5.7	11.6	11.3	72	0.1	16.2	4.2	65	2.35	16.4	1.0	1.0	8	0.4	2.3	0.2	105	<0.01	0.068	8
1370510	Soil Pulp	6.8	32.0	15.1	49	0.9	20.8	3.2	108	1.62	24.5	5.7	1.7	36	0.3	2.2	0.2	37	0.08	0.071	9
1370511	Soil Pulp	4.2	54.9	12.0	98	0.9	31.6	4.2	66	1.89	16.5	8.4	0.5	21	0.5	1.8	0.2	62	0.06	0.104	6
1370512	Soil Pulp	54.4	64.7	10.6	1076	1.3	251.1	16.3	752	2.80	48.5	1.9	2.2	95	7.6	11.8	0.2	155	2.81	0.141	15
1370513	Soil Pulp	4.6	21.9	6.6	122	0.3	19.8	4.3	34	1.68	5.8	1.3	1.2	2	1.0	1.2	0.1	47	<0.01	0.036	17
1370514	Soil Pulp	2.3	13.5	5.8	134	0.4	14.4	4.4	76	1.39	3.5	<0.5	0.2	6	2.6	0.9	0.1	48	0.03	0.098	11
1370515	Soil Pulp	296.7	807.4	27.2	>10000	17.0	868.3	19.3	695	2.88	227.6	7.7	1.3	175	193.5	99.8	0.2	2399	1.50	0.348	26
1370701	Soil Pulp	13.9	93.3	7.3	544	6.6	73.6	3.1	123	1.50	22.7	5.6	<0.1	82	8.9	6.7	0.2	264	1.11	0.179	15
1370702	Soil Pulp	13.1	46.1	9.0	255	1.7	45.4	2.8	33	1.34	24.5	3.8	0.2	23	0.8	6.1	0.2	188	0.03	0.090	9
1370703	Soil Pulp	15.9	111.6	13.1	603	1.5	119.2	13.7	352	4.11	34.3	9.3	3.0	49	4.0	7.4	0.2	225	0.40	0.232	14
1370704	Soil Pulp	15.2	82.2	10.9	545	2.2	98.2	8.7	227	2.48	42.5	7.7	0.9	79	3.8	8.1	0.2	229	0.77	0.276	12
1370705	Soil Pulp	15.7	73.1	13.1	672	1.7	128.0	15.1	521	4.54	34.7	6.4	3.8	90	5.9	7.4	0.2	125	2.80	0.251	23
1370706	Soil Pulp	10.8	47.9	7.9	240	0.8	41.3	5.7	95	1.95	24.3	4.1	0.2	18	0.7	3.9	0.2	99	0.29	0.085	7
1370707	Soil Pulp	9.1	40.2	11.3	226	0.9	41.9	4.9	99	1.89	22.5	4.0	0.1	27	0.6	4.2	0.2	123	0.31	0.099	11
1370708	Soil Pulp	19.5	103.6	10.7	520	3.2	90.2	6.2	157	2.04	35.8	5.4	0.3	64	3.3	8.5	0.2	223	0.45	0.171	17
1370709	Soil Pulp	22.1	158.3	10.9	822	3.9	137.6	7.6	167	2.40	58.2	7.7	1.3	79	9.7	15.7	0.2	335	0.52	0.355	21

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Project: CCJV  
 Report Date: August 22, 2011

Page: 9 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11003707.1

Method	Analyte	Unit	MDL	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Tl ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1370278	Soil Pulp			4	0.01	37	0.001	<1	0.16	0.012	0.03	<0.1	0.05	0.2	<0.1	0.10	<1	<0.5	<0.2
1370279	Soil Pulp			11	0.04	259	0.004	3	0.51	0.003	0.17	<0.1	0.06	3.8	0.1	0.24	2	1.1	<0.2
1370280	Soil Pulp			19	0.02	217	0.002	3	0.45	0.004	0.09	<0.1	0.16	0.8	0.1	0.14	2	2.7	0.3
1370281	Soil Pulp			12	0.05	129	0.004	2	0.65	0.006	0.05	0.1	0.01	0.6	<0.1	0.07	3	0.7	<0.2
1370282	Soil Pulp			25	0.06	157	0.006	3	0.60	0.002	0.07	0.2	0.18	2.6	0.1	0.12	4	1.9	<0.2
1370501	Soil Pulp			25	0.20	232	0.002	<1	0.97	0.003	0.06	<0.1	0.06	2.1	<0.1	0.06	4	2.6	<0.2
1370502	Soil Pulp			11	0.02	140	0.006	8	0.59	0.003	0.04	0.1	0.03	0.9	0.1	0.05	3	1.2	<0.2
1370503	Soil Pulp			16	0.06	486	0.006	<1	0.68	0.009	0.06	0.2	0.06	0.6	<0.1	0.06	4	<0.5	<0.2
1370504	Soil Pulp			22	0.27	343	0.004	2	0.99	0.003	0.08	0.2	0.62	2.9	0.2	0.09	3	3.2	<0.2
1370505	Soil Pulp			6	0.03	87	0.006	<1	0.45	0.010	0.03	<0.1	0.02	0.3	<0.1	0.05	3	0.8	<0.2
1370506	Soil Pulp			16	0.08	1029	0.003	<1	0.76	0.009	0.06	0.1	0.08	0.8	0.1	<0.05	3	0.6	<0.2
1370507	Soil Pulp			16	0.23	572	0.003	3	0.80	0.005	0.06	<0.1	0.49	1.6	<0.1	<0.05	2	1.9	<0.2
1370508	Soil Pulp			18	0.23	1004	0.001	2	0.94	0.004	0.10	<0.1	1.16	2.7	0.4	0.11	2	3.4	<0.2
1370509	Soil Pulp			12	0.04	90	0.007	<1	0.56	0.003	0.04	0.1	<0.01	0.9	0.2	<0.05	4	1.4	<0.2
1370510	Soil Pulp			13	0.08	2741	<0.001	5	0.79	0.004	0.10	0.1	0.88	2.2	0.8	0.09	3	3.4	<0.2
1370511	Soil Pulp			24	0.18	820	0.002	4	1.39	0.012	0.16	0.2	0.67	1.6	0.4	<0.05	4	0.5	<0.2
1370512	Soil Pulp			19	1.30	256	0.003	4	0.37	0.004	0.06	0.2	0.54	2.6	0.6	<0.05	<1	4.0	<0.2
1370513	Soil Pulp			5	0.03	94	0.003	1	0.43	0.003	0.10	<0.1	<0.01	0.7	0.1	<0.05	2	<0.5	<0.2
1370514	Soil Pulp			10	0.10	170	0.006	3	0.77	0.008	0.14	<0.1	0.04	0.7	0.2	<0.05	4	1.7	<0.2
1370515	Soil Pulp			153	0.23	2580	0.059	15	1.18	0.005	0.31	1.4	1.80	6.9	13.6	0.15	5	77.3	0.5
1370701	Soil Pulp			47	0.07	1131	0.002	6	0.76	0.012	0.07	0.2	1.62	0.6	0.9	0.14	3	9.5	<0.2
1370702	Soil Pulp			24	0.02	219	0.004	4	0.41	0.005	0.07	0.1	0.33	0.9	0.7	0.08	3	5.0	<0.2
1370703	Soil Pulp			34	0.07	446	0.003	13	0.64	0.002	0.17	<0.1	0.42	5.1	0.6	0.05	2	6.5	<0.2
1370704	Soil Pulp			37	0.07	630	0.004	7	0.77	0.003	0.14	0.1	0.56	2.4	0.5	0.08	3	6.1	<0.2
1370705	Soil Pulp			22	0.09	717	0.003	13	0.58	0.005	0.18	0.1	1.21	5.4	0.7	0.10	2	4.5	<0.2
1370706	Soil Pulp			17	0.07	308	0.003	4	0.61	0.004	0.13	0.1	0.13	0.7	0.3	<0.05	3	2.7	<0.2
1370707	Soil Pulp			24	0.11	300	0.008	9	0.92	0.011	0.10	0.2	0.18	0.9	0.4	<0.05	4	2.1	<0.2
1370708	Soil Pulp			36	0.08	1078	0.005	5	0.74	0.008	0.10	0.2	0.30	1.4	0.7	0.08	3	12.2	<0.2
1370709	Soil Pulp			68	0.09	1852	0.006	10	0.89	0.004	0.16	0.2	0.80	3.5	0.6	0.07	3	8.7	<0.2

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Project: CCJV  
 Report Date: August 22, 2011

Page: 10 of 10 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11003707.1**

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1370710	Soil Pulp	15.1	89.1	14.3	733	3.1	129.1	7.5	298	1.96	60.5	7.6	0.4	83	3.2	7.3	0.2	238	0.63	0.163	17
1370711	Soil Pulp	26.0	148.8	10.8	1191	3.3	187.1	9.2	181	2.53	33.4	9.2	1.7	66	8.2	11.2	0.2	247	0.77	0.158	17
1370712	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1370713	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1370715	Soil Pulp	9.9	46.5	10.6	220	0.9	42.8	5.4	218	1.97	26.8	5.9	0.3	23	0.9	4.7	0.2	115	0.06	0.120	8
1370716	Soil Pulp	5.4	25.7	11.4	120	0.3	21.8	4.6	514	2.21	27.2	3.1	0.2	22	0.4	2.3	0.2	70	0.03	0.112	7
1370717	Soil Pulp	3.8	32.0	15.3	111	0.3	21.4	5.6	227	3.27	28.5	2.6	0.3	12	0.4	2.4	0.3	77	0.03	0.090	8
1370718	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1370719	Soil Pulp	3.2	25.7	12.2	102	0.2	23.1	5.4	171	2.28	77.6	10.2	1.4	8	0.2	3.1	0.2	67	0.04	0.048	12
1370720	Soil Pulp	3.0	51.8	14.7	121	1.7	56.5	10.2	1937	2.77	56.1	20.0	0.6	119	0.7	2.7	0.2	21	1.69	0.137	17
1370721	Soil Pulp	7.6	32.6	9.3	77	0.5	22.4	5.0	382	1.35	68.6	17.9	0.4	52	0.5	6.3	0.1	37	0.04	0.063	4
1370722	Soil Pulp	1.5	39.0	8.9	97	0.8	26.9	6.3	500	1.34	37.2	25.7	0.3	71	0.5	8.2	0.2	41	1.45	0.106	9
1370723	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1370725	Soil Pulp	2.4	21.3	14.3	66	0.2	18.9	5.0	97	2.66	32.1	4.6	0.8	14	0.1	3.2	0.2	33	0.02	0.068	5

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Project: CCJV  
 Report Date: August 22, 2011

Page: 10 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11003707.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1370710	Soil Pulp	63	0.09	929	0.005	6	0.68	0.007	0.13	0.2	0.28	1.3	0.4	0.07	3	10.3	<0.2
1370711	Soil Pulp	47	0.12	1401	0.006	11	0.67	0.009	0.14	0.1	0.72	4.2	0.5	<0.05	3	10.2	<0.2
1370712	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1370713	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1370714	Soil Pulp	40	0.16	245	0.008	5	1.06	0.005	0.11	0.2	0.20	1.5	0.4	0.05	3	7.3	<0.2
1370715	Soil Pulp	21	0.10	297	0.004	3	0.81	0.005	0.09	0.1	0.26	0.6	0.5	0.05	3	2.8	<0.2
1370716	Soil Pulp	17	0.07	227	0.004	3	0.71	0.004	0.08	0.1	0.13	0.4	0.3	<0.05	3	2.1	<0.2
1370717	Soil Pulp	22	0.13	137	0.006	<1	0.84	0.004	0.07	0.2	0.06	0.9	0.2	<0.05	5	1.1	<0.2
1370718	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1370719	Soil Pulp	18	0.16	173	0.007	2	0.88	0.005	0.06	0.3	0.04	1.6	0.1	<0.05	4	0.5	<0.2
1370720	Soil Pulp	17	0.12	1850	0.003	5	0.82	0.007	0.05	<0.1	0.57	3.3	0.1	0.12	2	3.0	<0.2
1370721	Soil Pulp	10	0.04	469	0.006	4	0.39	0.010	0.08	0.1	0.08	1.7	0.3	0.09	2	1.1	<0.2
1370722	Soil Pulp	14	0.16	678	0.012	3	0.66	0.019	0.05	0.1	0.23	2.3	0.2	0.07	2	1.6	<0.2
1370723	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1370725	Soil Pulp	15	0.11	104	0.003	2	0.85	0.005	0.06	<0.1	0.04	1.9	0.1	<0.05	4	<0.5	<0.2

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Project: CCJV  
 Report Date: August 22, 2011

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

VAN11003707.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																				
1181268 Soil Pulp	6.0	60.9	14.0	1410	1.0	118.1	7.5	275	1.96	56.0	5.3	2.1	85	12.0	7.9	0.3	85	1.01	0.160	13
REP 1181268 QC	6.3	62.6	14.1	1449	1.1	119.9	7.3	290	2.00	57.4	4.9	2.1	86	12.4	7.7	0.3	88	1.05	0.149	13
1181666 Soil Pulp	1.6	103.2	3.9	18	4.2	8.5	0.7	14	1.39	3.6	2.9	0.2	17	0.7	0.7	<0.1	19	0.03	0.133	11
REP 1181666 QC	1.3	98.4	3.5	17	4.1	8.3	0.6	12	1.35	3.4	2.3	0.2	16	0.6	0.7	<0.1	17	0.03	0.115	10
1183002 Soil Pulp	12.1	105.4	9.1	1409	3.1	189.0	9.6	639	1.78	39.1	10.8	0.6	80	22.9	6.5	0.2	120	0.37	0.213	9
REP 1183002 QC	11.8	106.0	8.7	1407	3.0	188.4	9.3	639	1.81	39.3	13.3	0.5	79	22.9	6.5	0.2	123	0.36	0.203	9
1183397 Soil Pulp	2.2	13.1	18.1	320	0.3	31.8	9.4	381	4.08	72.0	5.5	2.3	30	1.4	1.8	0.2	85	0.46	0.112	17
REP 1183397 QC	2.4	13.3	18.1	319	0.3	31.5	9.3	393	4.16	74.4	5.3	2.2	31	1.3	1.8	0.2	88	0.46	0.120	17
1183420 Soil Pulp	4.3	15.6	14.3	84	3.3	14.7	4.2	130	3.59	19.8	1.5	2.3	6	0.3	1.7	0.3	81	0.02	0.058	8
REP 1183420 QC	4.2	14.9	14.0	83	3.3	13.5	4.0	119	3.38	18.0	0.8	2.3	6	0.2	1.8	0.3	80	0.02	0.056	8
1183490 Soil Pulp	3.2	46.3	14.8	114	1.1	36.2	7.5	230	3.08	44.6	1.8	0.2	16	0.6	2.6	0.2	38	0.02	0.088	3
REP 1183490 QC	3.2	45.3	14.4	111	1.1	34.4	7.6	231	3.14	43.3	2.2	0.1	16	0.6	2.4	0.2	37	0.02	0.085	3
1183504 Soil Pulp	8.7	44.5	12.0	122	0.4	38.3	11.5	279	2.91	13.3	3.9	2.4	23	0.6	2.3	0.2	54	0.47	0.115	18
REP 1183504 QC	8.1	45.4	12.4	121	0.4	37.3	11.5	281	3.09	13.3	3.3	2.9	23	0.6	2.5	0.2	56	0.47	0.126	19
1370036 Soil Pulp	3.5	73.2	26.4	273	1.4	110.8	23.8	517	5.70	63.7	6.2	4.5	49	0.6	2.8	0.4	47	0.27	0.112	22
REP 1370036 QC	3.8	73.9	26.7	267	1.4	107.1	22.7	494	5.42	62.3	6.0	4.5	49	0.5	2.9	0.4	45	0.25	0.098	22
1370120 Soil Pulp	11.0	45.7	18.1	300	1.1	37.7	5.6	173	2.60	32.6	3.7	1.2	29	3.4	5.6	0.3	81	0.15	0.142	11
REP 1370120 QC	10.4	44.8	17.4	298	1.0	37.3	5.3	174	2.60	32.4	2.4	1.3	29	3.6	5.6	0.3	81	0.16	0.138	11
1370146 Soil Pulp	2.9	20.7	14.7	86	0.2	23.4	6.1	123	2.02	21.9	1.9	1.2	27	0.1	1.7	0.2	34	0.03	0.063	5
REP 1370146 QC	3.0	20.6	14.2	86	0.2	23.0	5.9	119	2.03	21.5	0.9	1.1	27	0.1	1.6	0.2	32	0.03	0.061	5
1370258 Soil Pulp	7.7	165.2	34.9	109	0.3	28.6	12.9	1244	6.82	66.5	39.5	3.6	25	<0.1	4.0	0.3	32	0.02	0.111	4
REP 1370258 QC	7.8	162.1	33.8	108	0.3	30.3	12.6	1227	6.73	65.5	37.0	3.6	25	0.1	4.0	0.3	32	0.02	0.112	4
1370276 Soil Pulp	5.9	86.9	18.0	546	5.4	135.2	16.1	160	3.87	25.5	10.0	0.4	35	0.7	7.4	0.4	103	0.01	0.122	5
REP 1370276 QC	6.1	88.7	17.5	551	5.6	137.1	16.5	160	3.75	25.1	9.5	0.3	37	0.6	7.5	0.4	107	0.01	0.117	5
1370514 Soil Pulp	2.3	13.5	5.8	134	0.4	14.4	4.4	76	1.39	3.5	<0.5	0.2	6	2.6	0.9	0.1	48	0.03	0.098	11
REP 1370514 QC	2.0	11.9	5.2	119	0.4	13.9	3.9	68	1.24	3.2	1.2	0.3	6	2.2	0.8	0.1	42	0.03	0.077	9
1370725 Soil Pulp	2.4	21.3	14.3	66	0.2	18.9	5.0	97	2.66	32.1	4.6	0.8	14	0.1	3.2	0.2	33	0.02	0.068	5
REP 1370725 QC	2.4	21.5	15.0	68	0.2	20.2	5.2	98	2.68	32.5	4.9	0.9	14	<0.1	3.5	0.2	33	0.02	0.068	5

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Project: CCJV  
 Report Date: August 22, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003707.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																
1181268 Soil Pulp	20	0.40	952	0.020	5	0.91	0.011	0.14	1.2	0.34	2.0	0.3	0.12	2	3.9	<0.2
REP 1181268 QC	21	0.40	957	0.021	5	0.93	0.012	0.15	1.5	0.32	1.9	0.4	0.12	3	4.8	<0.2
1181666 Soil Pulp	10	0.02	158	0.004	<1	0.61	0.014	0.03	<0.1	0.48	0.6	0.9	0.08	1	1.6	<0.2
REP 1181666 QC	8	0.02	156	0.005	<1	0.58	0.010	0.03	<0.1	0.47	0.5	0.8	<0.05	1	1.5	<0.2
1183002 Soil Pulp	20	0.16	904	0.008	3	0.99	0.009	0.07	0.4	1.60	1.1	0.7	0.13	3	4.0	<0.2
REP 1183002 QC	20	0.15	904	0.008	3	0.99	0.008	0.07	0.4	1.58	1.0	0.7	0.10	3	5.4	<0.2
1183397 Soil Pulp	33	0.28	457	0.008	2	1.41	0.004	0.07	0.2	0.08	3.0	0.2	<0.05	4	1.0	<0.2
REP 1183397 QC	35	0.30	466	0.009	2	1.51	0.004	0.07	0.2	0.08	3.0	0.2	<0.05	4	1.0	<0.2
1183420 Soil Pulp	20	0.15	107	0.006	<1	1.28	0.002	0.05	0.2	0.03	1.2	0.1	<0.05	5	0.7	<0.2
REP 1183420 QC	20	0.15	105	0.006	1	1.27	0.002	0.04	0.3	0.04	1.3	0.1	<0.05	5	1.6	<0.2
1183490 Soil Pulp	14	0.05	436	0.003	1	0.65	0.006	0.06	<0.1	0.04	0.9	<0.1	<0.05	3	1.8	<0.2
REP 1183490 QC	14	0.06	442	0.004	2	0.64	0.006	0.06	<0.1	0.03	0.9	<0.1	0.05	3	1.1	<0.2
1183504 Soil Pulp	15	0.14	586	0.004	4	0.75	0.003	0.12	0.1	0.16	3.9	0.2	<0.05	2	1.0	<0.2
REP 1183504 QC	15	0.16	601	0.006	4	0.84	0.003	0.13	0.1	0.16	4.5	0.3	0.06	2	1.3	<0.2
1370036 Soil Pulp	38	0.54	554	0.002	2	1.76	0.006	0.08	0.2	0.17	4.0	0.2	<0.05	4	3.5	<0.2
REP 1370036 QC	36	0.48	550	0.002	2	1.63	0.006	0.07	0.1	0.15	3.5	0.2	<0.05	4	4.0	<0.2
1370120 Soil Pulp	21	0.21	468	0.006	4	0.85	0.006	0.09	0.3	0.20	1.4	0.3	0.06	3	2.9	<0.2
REP 1370120 QC	21	0.21	465	0.006	3	0.85	0.006	0.09	0.4	0.17	1.4	0.3	0.06	3	2.0	<0.2
1370146 Soil Pulp	9	0.04	212	0.001	3	0.53	0.006	0.07	<0.1	0.03	1.5	0.2	0.06	2	0.7	<0.2
REP 1370146 QC	9	0.04	207	<0.001	2	0.50	0.005	0.06	<0.1	0.04	1.5	0.2	0.07	2	0.8	<0.2
1370258 Soil Pulp	36	0.13	873	0.004	6	1.16	0.009	0.11	<0.1	0.03	4.7	0.3	0.15	3	2.8	<0.2
REP 1370258 QC	39	0.13	851	0.005	4	1.12	0.009	0.10	<0.1	0.04	4.9	0.3	0.16	3	1.9	0.2
1370276 Soil Pulp	29	0.02	310	0.003	2	0.55	0.001	0.06	<0.1	0.39	1.2	0.2	0.18	2	19.7	<0.2
REP 1370276 QC	30	0.02	315	0.003	2	0.53	0.002	0.06	0.1	0.37	1.1	0.2	0.16	2	22.4	0.2
1370514 Soil Pulp	10	0.10	170	0.006	3	0.77	0.008	0.14	<0.1	0.04	0.7	0.2	<0.05	4	1.7	<0.2
REP 1370514 QC	9	0.08	150	0.003	3	0.66	0.006	0.11	<0.1	0.02	0.3	0.1	<0.05	3	0.7	<0.2
1370725 Soil Pulp	15	0.11	104	0.003	2	0.85	0.005	0.06	<0.1	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
REP 1370725 QC	14	0.11	103	0.003	2	0.87	0.005	0.06	<0.1	0.04	1.9	<0.1	<0.05	4	<0.5	<0.2

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**Project:** CCJV  
**Report Date:** August 22, 2011

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

QUALITY CONTROL REPORT

VAN11003707.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001	1
Reference Materials																						
STD DS8	Standard	13.4	105.0	115.9	302	1.8	37.0	7.4	613	2.42	26.2	117.3	5.9	63	2.2	4.8	5.8	41	0.71	0.078	16	
STD DS8	Standard	12.5	108.5	120.9	310	1.8	36.8	7.3	618	2.48	26.5	106.1	6.4	62	2.2	5.1	6.6	42	0.67	0.081	14	
STD DS8	Standard	15.0	119.1	101.8	328	1.8	39.3	8.1	639	2.60	28.8	114.8	5.9	63	2.5	5.3	5.9	45	0.73	0.085	15	
STD DS8	Standard	13.8	109.9	125.8	309	1.8	39.3	7.6	597	2.45	24.5	110.2	7.0	70	2.3	5.5	6.8	42	0.74	0.083	15	
STD DS8	Standard	13.0	99.2	124.9	292	1.7	34.6	7.0	572	2.30	23.3	109.7	7.2	66	2.2	5.2	6.3	39	0.64	0.073	15	
STD DS8	Standard	15.1	120.3	128.6	319	1.8	42.9	8.4	675	2.71	25.8	120.8	8.0	77	2.4	6.5	7.4	46	0.78	0.082	16	
STD DS8	Standard	13.5	110.7	127.9	311	1.8	38.5	7.6	618	2.52	24.7	111.2	6.9	72	2.4	5.7	6.9	44	0.69	0.081	15	
STD DS8	Standard	11.3	96.8	123.3	287	1.7	32.9	6.6	570	2.28	23.4	97.3	6.1	61	2.4	4.8	6.3	39	0.61	0.073	13	
STD DS8	Standard	12.7	106.9	123.7	310	1.9	36.7	7.2	636	2.55	24.8	110.6	6.5	64	2.2	5.4	6.6	42	0.66	0.083	14	
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6	
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1	
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1	
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1	
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1	
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1	
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1	
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1	
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1	
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1	

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Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003707.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Reference Materials																	
STD DS8	Standard	117	0.56	283	0.118	3	0.91	0.093	0.40	2.8	0.20	2.3	5.3	0.16	5	5.6	5.4
STD DS8	Standard	115	0.61	267	0.112	2	0.89	0.086	0.40	3.0	0.19	1.9	5.3	0.16	5	5.6	5.1
STD DS8	Standard	122	0.62	298	0.122	3	0.96	0.094	0.43	3.2	0.20	2.0	5.6	0.19	5	5.0	5.3
STD DS8	Standard	116	0.63	271	0.117	1	0.94	0.110	0.43	2.7	0.22	2.3	5.4	0.15	5	5.1	4.9
STD DS8	Standard	105	0.57	275	0.110	2	0.85	0.086	0.40	2.8	0.20	2.3	5.5	0.14	4	4.4	5.1
STD DS8	Standard	131	0.67	293	0.135	3	1.00	0.095	0.45	3.2	0.22	2.5	5.6	0.13	5	5.1	5.1
STD DS8	Standard	119	0.64	270	0.120	3	0.91	0.096	0.42	2.9	0.18	2.1	5.5	0.17	5	5.3	4.7
STD DS8	Standard	108	0.56	252	0.098	<1	0.78	0.069	0.39	3.0	0.20	1.9	5.2	0.19	4	4.9	4.2
STD DS8	Standard	120	0.61	271	0.114	2	0.90	0.078	0.43	3.2	0.21	1.8	5.4	0.21	5	5.9	4.6
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Confirmation Email List  
Receiving Lab: Canada-Vancouver  
Received: August 09, 2011  
Report Date: August 30, 2011  
Page: 1 of 4

## CERTIFICATE OF ANALYSIS

VAN11003834.1

### CLIENT JOB INFORMATION

Project: CCJV  
Shipment ID:  
P.O. Number: X-07  
Number of Samples: 62

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	62	Sorting of samples on arrival and labeling			VAN
1DX2	62	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

### 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: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Report Email List



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. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.





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Page: 2 of 4 Part 1

CERTIFICATE OF ANALYSIS

VAN11003834.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1180341	Soil Pulp	3.5	76.7	12.0	328	0.4	77.2	27.1	828	4.63	249.0	18.0	5.5	21	0.8	6.0	1.5	35	0.22	0.078	18
1180342	Soil Pulp	97.8	373.3	10.2	3327	2.7	426.5	38.7	2337	4.24	577.7	7.1	1.1	228	61.7	30.8	0.1	104	1.26	1.878	3
1180343	Soil Pulp	8.5	42.1	15.0	890	0.7	137.2	10.4	364	2.26	42.9	4.2	1.5	59	4.6	4.4	0.2	45	0.54	0.106	5
1180484	Soil Pulp	1.8	38.9	17.7	138	0.2	58.5	13.4	763	3.59	18.0	3.5	2.1	50	0.5	0.9	0.3	33	0.57	0.104	5
1180486	Soil Pulp	2.7	198.8	22.3	485	1.2	188.8	18.0	790	3.27	55.4	32.9	1.5	89	2.2	3.1	0.3	41	0.53	0.141	8
1180487	Soil Pulp	2.2	57.5	11.7	138	0.3	45.8	8.5	345	2.48	26.1	11.4	1.0	39	0.4	1.9	0.2	34	0.43	0.087	5
1180488	Soil Pulp	2.0	80.0	11.6	164	0.8	64.6	8.9	490	2.26	46.8	19.3	1.0	70	0.8	3.5	0.2	34	0.60	0.089	5
1180597	Soil Pulp	2.3	29.2	15.5	68	0.5	21.8	5.3	165	2.11	56.6	11.6	1.2	39	0.3	1.6	0.2	30	0.39	0.052	3
1180598	Soil Pulp	67.3	30.4	3.7	3946	0.5	255.5	3.5	178	26.92	362.6	1.4	1.1	220	38.9	9.1	<0.1	69	2.79	0.650	2
1180991	Soil Pulp	8.8	92.9	22.0	302	1.4	179.9	16.8	652	4.38	105.9	22.1	1.0	83	2.5	6.5	0.3	62	0.61	0.134	3
1180992	Soil Pulp	45.4	142.4	14.3	2571	1.2	455.2	133.3	2169	6.79	74.8	8.9	2.2	98	27.1	14.5	0.2	316	0.50	0.140	6
1180993	Soil Pulp	34.1	129.5	10.3	1288	2.3	210.5	10.1	316	2.07	43.7	6.6	0.8	140	10.3	12.6	0.2	277	1.05	0.190	6
1181849	Soil Pulp	18.5	66.0	11.4	738	1.1	81.8	4.7	313	1.00	26.3	2.8	0.5	78	8.6	9.5	0.1	883	1.55	0.056	9
1181850	Soil Pulp	21.0	29.1	7.4	902	1.2	140.9	11.2	194	2.35	41.1	3.2	3.1	31	2.7	10.9	0.2	240	0.26	0.186	13
1181851	Soil Pulp	45.0	55.5	23.4	1117	1.2	99.3	8.9	296	1.42	52.5	1.3	0.4	37	17.5	16.3	0.2	1127	0.46	0.148	19
1181852	Soil Pulp	10.0	18.9	15.6	116	0.1	24.0	5.0	128	2.07	20.5	<0.5	0.6	11	0.3	2.3	0.3	98	0.04	0.058	13
1181853	Soil Pulp	8.9	38.0	17.9	113	1.1	21.5	3.5	43	1.46	19.4	0.7	<0.1	9	0.4	2.7	0.2	69	0.03	0.054	9
1181854	Soil Pulp	42.5	30.9	23.0	468	1.4	82.6	7.3	172	3.97	58.6	1.7	3.3	12	1.2	8.8	0.4	353	0.03	0.134	14
1181855	Soil Pulp	7.6	47.0	22.9	199	0.2	56.3	8.0	168	3.93	25.4	2.5	1.1	15	0.3	3.4	0.3	59	0.03	0.131	12
1181856	Soil Pulp	21.6	15.7	21.1	308	0.2	31.8	2.7	206	1.73	20.5	<0.5	1.0	8	0.9	3.9	0.2	205	0.03	0.056	12
1181857	Soil Pulp	71.6	43.9	174.9	3219	1.6	140.0	5.4	2990	4.40	34.1	8.1	1.9	28	13.3	12.4	0.2	751	0.23	0.090	16
1181858	Soil Pulp	33.0	41.2	75.8	428	1.3	47.6	3.5	105	2.56	41.5	2.9	2.1	61	0.9	12.8	0.2	523	0.11	0.254	14
1181859	Soil Pulp	13.5	11.3	15.1	74	3.2	15.1	1.9	60	1.66	14.6	2.1	0.9	24	0.2	2.4	0.2	90	0.02	0.055	9
1181860	Soil Pulp	8.2	9.4	34.4	110	0.3	14.3	3.9	186	2.33	13.7	<0.5	1.4	8	0.3	1.2	0.3	73	0.03	0.042	10
1181861	Soil Pulp	21.6	15.3	21.0	152	0.5	23.9	4.3	180	2.45	24.3	0.6	1.0	20	0.8	3.3	0.2	190	0.22	0.074	11
1181862	Soil Pulp	28.2	20.8	37.8	151	3.2	26.8	3.7	103	2.97	45.5	5.0	1.8	38	0.6	12.5	0.4	169	0.05	0.197	9
1181863	Soil Pulp	9.5	22.6	28.8	65	2.2	16.6	1.1	29	1.51	17.3	3.3	0.8	116	0.4	3.5	0.5	107	0.26	0.302	11
1181864	Soil Pulp	5.1	14.6	15.2	104	0.3	13.6	4.3	180	2.89	22.3	1.2	1.3	6	0.6	2.2	0.4	117	0.02	0.053	12
1181865	Soil Pulp	73.1	35.0	50.3	533	7.3	75.4	2.8	88	3.30	84.7	6.7	1.7	26	1.3	26.1	0.4	1676	0.06	0.169	16
1181866	Soil Pulp	116.4	153.8	21.1	4031	5.9	327.0	8.9	424	2.83	37.5	5.9	1.1	76	105.8	19.8	0.3	653	0.53	0.134	13

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Project: CCJV  
 Report Date: August 30, 2011

Page: 2 of 4 Part 2

**CERTIFICATE OF ANALYSIS**

**VAN11003834.1**

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1180341	Soil Pulp	23	0.46	375	0.031	2	2.08	0.011	0.11	7.2	0.08	2.4	0.2	<0.05	4	2.8	<0.2
1180342	Soil Pulp	18	0.10	2490	0.008	4	2.07	0.003	0.06	0.2	0.84	0.9	2.5	0.09	1	23.8	0.6
1180343	Soil Pulp	16	0.21	1259	0.002	2	0.67	0.002	0.06	0.2	0.37	1.9	0.3	0.06	2	3.2	<0.2
1180484	Soil Pulp	27	0.43	173	0.003	2	1.29	0.006	0.07	0.1	0.10	3.5	0.1	0.09	4	1.7	<0.2
1180486	Soil Pulp	40	0.41	1006	0.003	4	1.76	0.005	0.11	0.1	0.37	5.1	0.2	0.09	4	5.1	<0.2
1180487	Soil Pulp	24	0.24	1218	0.002	3	1.05	0.006	0.07	<0.1	0.15	2.7	<0.1	0.05	3	1.1	<0.2
1180488	Soil Pulp	24	0.23	2611	0.002	4	0.98	0.004	0.09	<0.1	0.33	3.3	0.1	0.11	2	2.5	<0.2
1180597	Soil Pulp	18	0.20	694	0.002	2	0.76	0.003	0.06	<0.1	0.52	1.8	<0.1	<0.05	2	2.5	<0.2
1180598	Soil Pulp	9	0.45	844	0.003	4	0.09	0.002	0.02	0.4	0.34	0.9	0.5	0.12	<1	19.0	<0.2
1180991	Soil Pulp	14	0.08	782	0.001	4	0.49	0.002	0.10	0.1	1.46	4.5	0.6	0.24	1	7.6	0.2
1180992	Soil Pulp	22	0.08	448	0.002	5	4.23	0.002	0.11	0.1	2.32	6.2	2.2	0.35	2	9.2	<0.2
1180993	Soil Pulp	24	0.27	603	0.003	6	0.42	0.001	0.10	0.1	1.56	2.3	0.6	0.16	1	7.7	<0.2
1181849	Soil Pulp	47	0.14	934	0.006	3	0.99	0.009	0.07	0.2	0.19	1.3	2.2	0.09	3	5.9	<0.2
1181850	Soil Pulp	114	0.09	1394	0.005	3	1.34	0.002	0.06	0.2	0.14	2.2	1.1	<0.05	3	5.5	0.3
1181851	Soil Pulp	60	0.11	471	0.006	4	1.06	0.003	0.09	0.4	0.50	1.4	3.1	<0.05	4	4.9	<0.2
1181852	Soil Pulp	12	0.10	149	0.006	2	0.58	0.002	0.07	0.2	0.02	0.7	0.2	<0.05	3	1.2	<0.2
1181853	Soil Pulp	7	0.02	105	0.006	1	0.38	0.003	0.04	0.1	0.04	0.3	0.2	<0.05	3	1.7	<0.2
1181854	Soil Pulp	25	0.12	322	0.007	3	1.06	0.002	0.09	0.3	0.12	1.4	1.4	<0.05	5	4.7	<0.2
1181855	Soil Pulp	15	0.09	185	0.003	3	0.79	0.002	0.08	0.2	0.03	1.2	0.2	<0.05	3	2.1	<0.2
1181856	Soil Pulp	18	0.12	149	0.005	2	0.84	0.002	0.06	0.2	0.02	0.8	0.3	<0.05	3	3.2	<0.2
1181857	Soil Pulp	53	0.24	724	0.011	4	1.42	0.003	0.12	0.1	0.40	4.2	1.1	<0.05	4	8.0	<0.2
1181858	Soil Pulp	30	0.10	247	0.005	1	0.99	0.003	0.10	0.2	0.08	1.3	1.2	<0.05	3	14.2	0.2
1181859	Soil Pulp	10	0.05	149	0.012	<1	0.54	0.002	0.05	0.2	0.05	0.6	0.4	<0.05	4	1.3	<0.2
1181860	Soil Pulp	15	0.14	163	0.010	<1	0.86	0.002	0.05	0.3	0.02	1.0	0.2	<0.05	4	1.3	<0.2
1181861	Soil Pulp	21	0.19	221	0.008	1	1.01	0.004	0.07	0.4	0.08	1.1	0.4	<0.05	5	2.8	<0.2
1181862	Soil Pulp	26	0.13	163	0.012	2	0.88	0.003	0.07	0.4	0.75	1.3	0.8	0.05	6	6.9	<0.2
1181863	Soil Pulp	16	0.03	323	0.004	2	0.56	0.003	0.10	0.2	0.07	0.6	0.5	0.11	2	4.2	0.2
1181864	Soil Pulp	16	0.17	176	0.016	2	0.97	0.005	0.08	0.4	0.01	1.2	0.2	<0.05	6	1.3	<0.2
1181865	Soil Pulp	57	0.15	245	0.011	6	1.11	0.003	0.14	0.6	0.24	1.9	2.6	<0.05	6	18.4	0.3
1181866	Soil Pulp	48	0.15	1195	0.025	5	1.03	0.003	0.08	0.6	2.12	4.5	3.3	<0.05	3	12.3	0.3

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Page: 3 of 4 Part 1

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1181867	Soil Pulp	1.5	8.2	11.7	7	4.8	1.5	0.3	7	0.19	1.7	2.6	<0.1	27	0.1	0.7	0.1	46	0.02	0.032	7
1181868	Soil Pulp	26.5	14.1	14.4	13	4.2	4.2	0.4	12	1.29	16.7	1.5	0.5	50	2.0	7.0	0.2	68	0.08	0.387	6
1181869	Soil Pulp	22.9	16.8	9.7	12	2.9	9.0	0.6	15	0.48	2.0	1.3	0.4	19	0.4	6.0	0.2	73	0.03	0.036	3
1181870	Soil Pulp	4.8	12.7	35.7	67	<0.1	21.4	5.0	49	1.66	23.2	1.1	0.5	15	<0.1	1.9	0.3	32	<0.01	0.032	3
1181871	Soil Pulp	11.1	21.9	16.5	106	0.7	20.6	3.1	95	2.55	22.9	5.8	1.9	21	0.2	4.6	0.3	144	0.06	0.127	7
1183508	Soil Pulp	13.7	70.7	21.1	376	1.4	53.9	6.6	304	2.90	23.0	6.5	0.6	84	1.7	5.9	0.2	143	0.29	0.243	7
1183510	Soil Pulp	5.7	57.6	12.3	123	0.9	22.1	6.9	906	1.92	24.1	4.6	0.2	28	2.4	2.7	0.2	81	0.08	0.169	11
1183511	Soil Pulp	8.3	74.0	16.0	211	0.3	32.4	12.7	687	3.08	16.7	1.9	0.7	18	2.0	3.7	0.3	65	0.20	0.144	9
1183512	Soil Pulp	3.0	72.5	15.4	151	<0.1	30.8	15.6	1558	5.98	55.9	2.9	1.2	20	0.9	2.3	0.3	51	0.27	0.093	8
1183513	Soil Pulp	2.3	35.3	13.3	70	1.1	24.1	4.2	314	1.57	8.2	2.0	<0.1	55	3.0	1.4	0.1	30	0.32	0.197	3
1183514	Soil Pulp	7.9	64.0	9.2	173	0.3	40.4	11.5	732	2.99	23.4	0.8	0.2	11	1.5	3.5	0.3	64	0.11	0.065	4
1183515	Soil Pulp	3.7	220.8	19.3	176	0.3	63.1	15.9	1317	6.02	197.9	8.9	0.4	20	2.0	11.0	0.5	69	0.24	0.140	4
1183516	Soil Pulp	7.2	68.8	26.6	507	1.0	142.6	19.4	486	3.75	31.8	7.1	1.4	69	5.5	3.6	0.3	78	1.11	0.400	8
1183517	Soil Pulp	3.0	249.4	18.5	1378	0.3	30.0	24.2	2142	4.73	16.0	36.8	0.6	32	10.2	2.4	0.6	65	0.11	0.137	5
1183518	Soil Pulp	6.3	41.0	21.0	149	0.2	28.0	7.2	224	3.56	22.6	1.3	1.2	14	0.8	3.1	0.4	87	0.04	0.093	8
1183519	Soil Pulp	8.8	64.9	19.3	204	0.3	36.6	7.8	284	2.64	37.5	6.2	0.3	31	0.4	6.2	0.3	89	0.10	0.121	9
1183520	Soil Pulp	9.6	79.6	19.3	224	0.8	45.9	9.4	334	3.21	41.6	10.4	1.9	86	0.9	6.1	0.3	90	0.32	0.255	12
1183521	Soil Pulp	8.7	69.8	16.0	182	0.6	37.6	9.3	895	2.42	29.4	9.1	0.3	51	0.7	5.2	0.2	80	0.15	0.166	11
1183522	Soil Pulp	4.6	56.0	12.0	148	0.7	38.4	7.9	370	2.51	20.5	11.6	1.0	37	0.8	2.5	0.2	63	0.47	0.161	14
1183524	Soil Pulp	9.6	189.7	16.6	302	0.2	58.0	11.3	198	3.54	41.8	11.5	0.5	11	0.6	5.1	0.3	73	0.05	0.117	5
1183525	Soil Pulp	3.8	50.8	12.4	158	0.4	24.9	7.5	469	2.35	18.1	5.1	0.9	32	0.9	2.5	0.2	54	0.80	0.106	8
1183526	Soil Pulp	15.3	142.7	16.8	471	0.8	67.1	13.1	306	3.44	26.7	13.5	2.0	29	2.7	7.5	0.2	93	0.50	0.303	14
1183527	Soil Pulp	9.3	99.0	12.5	264	0.5	43.1	10.2	357	3.06	17.4	11.0	3.2	33	2.0	3.7	0.2	75	0.58	0.259	14
1183528	Soil Pulp	5.1	76.1	11.7	118	<0.1	34.0	7.7	167	1.97	15.9	4.3	<0.1	8	0.1	2.3	0.3	71	0.01	0.048	8
1183529	Soil Pulp	6.8	68.7	21.0	354	0.3	66.8	12.3	300	4.89	65.3	4.8	2.1	24	0.7	4.9	0.3	87	0.04	0.127	9
1183530	Soil Pulp	7.1	52.9	16.0	159	0.2	31.8	6.7	211	2.93	19.2	2.6	1.0	16	0.4	2.9	0.2	97	0.05	0.117	7
1183531	Soil Pulp	16.2	272.7	15.9	452	2.4	78.8	14.4	198	3.56	15.1	28.9	4.1	43	2.1	5.5	0.2	69	0.77	0.430	12
1183532	Soil Pulp	4.0	178.1	12.6	167	0.2	81.6	19.8	1003	4.06	22.5	6.9	0.1	9	1.0	2.4	0.4	53	0.08	0.103	6
1183533	Soil Pulp	11.1	94.1	27.3	294	1.4	80.7	18.1	1055	5.10	35.9	7.3	0.8	91	1.0	4.9	0.3	73	0.25	0.332	14
1370322	Soil Pulp	3.3	12.7	11.3	78	2.3	5.3	3.6	291	0.84	3.7	<0.5	0.1	6	2.3	0.7	0.2	53	0.04	0.045	10

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 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: August 30, 2011

Page: 3 of 4 Part 2

CERTIFICATE OF ANALYSIS

VAN11003834.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181867	Soil Pulp	9	<0.01	146	0.003	2	0.22	0.002	0.02	<0.1	0.13	0.1	0.4	<0.05	2	<0.5	<0.2
1181868	Soil Pulp	32	0.01	215	0.004	1	0.34	0.002	0.04	0.6	0.60	1.0	1.3	<0.05	2	7.4	0.3
1181869	Soil Pulp	15	0.01	262	0.008	4	0.25	0.009	0.06	0.2	3.33	0.7	1.0	<0.05	1	9.5	0.4
1181870	Soil Pulp	4	0.01	63	0.001	<1	0.30	0.003	0.04	0.3	0.03	1.0	0.4	<0.05	1	0.6	<0.2
1181871	Soil Pulp	19	0.18	242	0.003	2	0.88	0.003	0.08	0.3	0.21	1.2	0.8	<0.05	4	3.4	<0.2
1183508	Soil Pulp	19	0.04	612	0.003	5	0.51	0.003	0.15	<0.1	0.17	1.3	0.3	0.23	2	4.1	0.2
1183510	Soil Pulp	19	0.14	450	0.002	4	0.99	0.007	0.08	<0.1	0.12	0.4	0.2	0.09	4	2.1	<0.2
1183511	Soil Pulp	13	0.12	452	0.007	3	0.88	0.005	0.11	0.1	0.05	1.3	0.2	<0.05	3	2.6	<0.2
1183512	Soil Pulp	16	0.15	459	0.014	3	1.28	0.009	0.10	0.2	0.04	3.6	0.1	<0.05	5	0.9	0.2
1183513	Soil Pulp	7	0.04	451	0.003	3	0.57	0.012	0.12	<0.1	0.08	0.3	<0.1	0.19	2	1.5	<0.2
1183514	Soil Pulp	11	0.06	220	0.006	<1	0.66	0.009	0.06	0.1	0.04	1.2	0.1	<0.05	4	1.0	<0.2
1183515	Soil Pulp	17	0.08	272	0.005	2	0.86	0.006	0.09	<0.1	0.10	2.3	0.1	0.06	3	2.4	0.3
1183516	Soil Pulp	30	0.07	857	0.003	7	0.83	0.004	0.17	<0.1	0.71	4.7	0.3	0.07	2	2.9	<0.2
1183517	Soil Pulp	25	0.09	360	0.006	1	1.21	0.005	0.07	0.1	0.16	2.3	0.2	0.07	5	1.8	0.3
1183518	Soil Pulp	17	0.15	146	0.014	2	0.89	0.003	0.09	0.2	0.02	1.5	0.2	<0.05	6	1.2	<0.2
1183519	Soil Pulp	18	0.16	263	0.004	4	0.78	0.004	0.10	0.2	0.06	0.7	0.2	<0.05	5	3.0	<0.2
1183520	Soil Pulp	20	0.26	425	0.005	5	0.94	0.004	0.16	0.2	0.15	2.6	0.2	0.10	3	3.2	0.3
1183521	Soil Pulp	15	0.20	450	0.003	4	0.85	0.006	0.13	<0.1	0.23	0.7	0.2	0.08	3	2.9	0.2
1183522	Soil Pulp	22	0.30	557	0.008	4	0.99	0.006	0.10	0.2	0.30	1.9	0.2	0.05	3	1.4	<0.2
1183524	Soil Pulp	15	0.10	121	0.004	4	0.73	0.003	0.08	0.1	0.04	1.6	0.2	<0.05	4	3.3	0.3
1183525	Soil Pulp	17	0.20	452	0.010	2	0.88	0.005	0.07	0.2	0.11	1.5	0.1	<0.05	4	1.3	<0.2
1183526	Soil Pulp	16	0.15	598	0.004	4	0.96	0.003	0.14	0.1	0.17	3.0	0.4	<0.05	3	4.6	<0.2
1183527	Soil Pulp	14	0.18	560	0.003	6	0.93	0.004	0.12	<0.1	0.18	3.9	0.2	<0.05	3	2.4	<0.2
1183528	Soil Pulp	13	0.05	92	0.006	2	0.48	0.002	0.06	0.2	0.02	0.4	0.1	<0.05	5	0.9	<0.2
1183529	Soil Pulp	25	0.35	166	0.003	2	1.56	0.002	0.08	0.2	0.05	2.5	0.2	<0.05	4	2.4	<0.2
1183530	Soil Pulp	21	0.20	188	0.007	3	1.01	0.003	0.09	0.2	0.05	1.5	0.2	0.05	5	1.4	<0.2
1183531	Soil Pulp	14	0.09	677	0.004	10	0.72	0.002	0.24	<0.1	0.52	5.6	0.3	<0.05	2	6.6	<0.2
1183532	Soil Pulp	14	0.04	139	0.006	3	0.33	0.005	0.07	0.1	0.04	1.1	<0.1	0.06	3	1.2	0.2
1183533	Soil Pulp	17	0.11	596	0.004	3	0.75	0.005	0.19	0.1	0.28	1.8	0.4	0.28	2	3.4	<0.2
1370322	Soil Pulp	7	0.04	279	0.007	2	0.58	0.004	0.06	0.1	0.02	0.3	0.1	<0.05	3	<0.5	<0.2

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# AcmeLabs

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Project: CCJV

Report Date: August 30, 2011

Page: 4 of 4 Part 1

## CERTIFICATE OF ANALYSIS

## VAN11003834.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1370323	Soil Pulp	2.1	20.5	8.2	33	0.3	16.2	5.9	177	2.41	8.3	<0.5	0.3	4	0.3	0.9	0.2	29	0.02	0.057	8
1370324	Soil Pulp	6.0	66.1	17.1	142	0.9	39.8	1.5	27	0.68	3.4	<0.1	63	2.0	1.4	0.1	23	0.61	0.131	7	



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**Report Date:** August 30, 2011

**Page:** 4 of 4 **Part** 2

**CERTIFICATE OF ANALYSIS** **VAN11003834.1**

Method	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te		
Analyte	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2		
1370323	Soil Pulp	7	0.05	76	0.004	2	0.57	0.007	0.03	<0.1	0.03	0.4	0.1	<0.05	2	<0.5	<0.2	
1370324	Soil Pulp	7	0.03	342	0.002	2	0.33	0.014	0.04	<0.1	0.15	0.1	0.1	<0.05	1	0.9	<0.2	

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Project: CCJV  
 Report Date: August 30, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

VAN11003834.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 P	1DX15 La
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																							
1181856	Soil Pulp			21.6	15.7	21.1	308	0.2	31.8	2.7	206	1.73	20.5	<0.5	1.0	8	0.9	3.9	0.2	205	0.03	0.056	12
REP 1181856	QC			20.8	16.2	20.7	317	0.2	33.2	2.9	202	1.76	20.4	1.2	0.9	8	1.0	3.8	0.2	193	0.04	0.057	12
1181870	Soil Pulp			4.8	12.7	35.7	67	<0.1	21.4	5.0	49	1.66	23.2	1.1	0.5	15	<0.1	1.9	0.3	32	<0.01	0.032	3
REP 1181870	QC			5.0	13.4	36.3	71	0.1	22.4	5.3	50	1.72	24.3	<0.5	0.5	15	<0.1	2.0	0.3	33	<0.01	0.034	3
1183521	Soil Pulp			8.7	69.8	16.0	182	0.6	37.6	9.3	895	2.42	29.4	9.1	0.3	51	0.7	5.2	0.2	80	0.15	0.166	11
REP 1183521	QC			8.5	67.2	15.7	176	0.6	36.1	8.7	868	2.35	28.0	11.5	0.2	49	0.7	5.0	0.2	81	0.14	0.163	11
1370324	Soil Pulp			6.0	66.1	17.1	142	0.9	39.8	1.5	27	0.68	3.4	2.5	<0.1	63	2.0	1.4	0.1	23	0.61	0.131	7
REP 1370324	QC			6.0	65.5	17.1	137	0.8	39.2	1.4	26	0.68	3.4	2.3	<0.1	63	1.8	1.3	0.1	23	0.60	0.133	7
Reference Materials																							
STD DS8	Standard			13.0	119.8	129.0	300	1.8	38.4	7.7	580	2.46	29.5	106.8	6.0	60	2.3	5.4	6.6	45	0.66	0.084	13
STD DS8	Standard			15.0	119.1	101.8	328	1.8	39.3	8.1	639	2.60	28.8	114.8	5.9	63	2.5	5.3	5.9	45	0.73	0.085	15
STD DS8	Standard			13.4	117.0	129.2	323	1.9	39.5	7.9	643	2.61	27.2	120.8	6.6	69	2.4	5.6	7.0	45	0.73	0.086	13
STD DS8	Standard			11.4	107.3	120.1	311	1.9	38.5	7.4	571	2.62	24.7	110.3	5.7	54	1.9	5.4	6.3	39	0.62	0.077	11
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Project: CCJV  
 Report Date: August 30, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

VAN11003834.1

Method	Analyte	Unit	MDL	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Tl ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm	
Pulp Duplicates																				
1181856	Soil Pulp			18	0.12	149	0.005	2	0.84	0.002	0.06	0.2	0.02	0.8	0.3	<0.05	3	3.2	<0.2	
REP 1181856	QC			19	0.12	145	0.005	2	0.84	0.002	0.06	0.2	0.02	0.8	0.4	<0.05	3	3.1	<0.2	
1181870	Soil Pulp			4	0.01	63	0.001	<1	0.30	0.003	0.04	0.3	0.03	1.0	0.4	<0.05	1	0.6	<0.2	
REP 1181870	QC			4	0.01	63	0.001	<1	0.31	0.004	0.05	<0.1	0.03	1.0	0.4	<0.05	2	<0.5	<0.2	
1183521	Soil Pulp			15	0.20	450	0.003	4	0.85	0.006	0.13	<0.1	0.23	0.7	0.2	0.08	3	2.9	0.2	
REP 1183521	QC			15	0.20	447	0.002	4	0.82	0.006	0.13	<0.1	0.22	0.7	0.2	0.05	3	2.2	<0.2	
1370324	Soil Pulp			7	0.03	342	0.002	2	0.33	0.014	0.04	<0.1	0.15	0.1	0.1	<0.05	1	0.9	<0.2	
REP 1370324	QC			7	0.03	340	0.004	2	0.34	0.014	0.04	<0.1	0.12	0.1	0.1	0.08	1	0.8	<0.2	
Reference Materials																				
STD DS8	Standard			116	0.62	274	0.106	3	0.89	0.092	0.42	3.1	0.21	1.9	5.7	0.15	5	5.4	5.2	
STD DS8	Standard			122	0.62	298	0.122	3	0.96	0.094	0.43	3.2	0.20	2.0	5.6	0.19	5	5.0	5.3	
STD DS8	Standard			122	0.64	287	0.127	3	0.93	0.091	0.43	3.0	0.21	2.2	5.6	0.16	5	5.6	5.4	
STD DS8	Standard			111	0.56	258	0.098	2	0.82	0.074	0.39	2.9	0.19	1.8	5.4	0.11	4	5.3	4.5	
STD DS8 Expected				115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5	
BLK	Blank			<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank			<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank			<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank			<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	

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Submitted By: Confirmation Email List  
Receiving Lab: Canada-Vancouver  
Received: August 19, 2011  
Report Date: August 30, 2011  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

VAN11004076.1

### CLIENT JOB INFORMATION

Project: CCJV  
Shipment ID:  
P.O. Number: HG-MC-MP-RG-X-Y-01  
Number of Samples: 15

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	15	Sorting of samples on arrival and labeling			VAN
1DX2	15	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

### 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: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Report Email List



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Project: CCJV  
 Report Date: August 30, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

VAN11004076.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 P	1DX15 La
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																							
1180802	Soil Pulp			3.7	36.1	10.5	357	0.3	72.0	28.9	741	2.92	34.9	1.4	3.1	23	2.4	2.4	0.2	23	0.20	0.079	8
REP 1180802	QC			3.5	36.0	10.7	367	0.2	71.3	29.1	727	2.91	35.5	0.7	3.3	24	2.4	2.3	0.2	24	0.21	0.080	8
Reference Materials																							
STD DS8	Standard			11.2	96.2	110.2	283	1.6	34.0	6.7	543	2.19	22.3	142.5	5.8	55	1.9	4.7	5.8	36	0.64	0.075	13
STD DS8	Standard			12.4	112.8	117.2	283	1.6	38.3	7.6	546	2.23	23.1	97.9	6.5	54	2.1	4.9	6.1	46	0.63	0.070	12
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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 Vancouver BC V6C 2V6 Canada

**Project:** CCJV  
**Report Date:** August 30, 2011

**Page:** 1 of 1 Part 2

QUALITY CONTROL REPORT

VAN11004076.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1180802	Soil Pulp	13	0.26	395	0.002	1	1.01	0.005	0.05	0.2	0.09	2.8	0.2	0.10	2	1.5	<0.2
REP 1180802	QC	12	0.26	386	0.002	<1	1.03	0.005	0.05	0.2	0.09	2.9	0.2	0.11	2	1.6	<0.2
Reference Materials																	
STD DS8	Standard	104	0.54	254	0.094	2	0.79	0.077	0.35	2.6	0.16	1.9	4.9	0.11	4	3.4	4.4
STD DS8	Standard	118	0.54	243	0.109	3	0.83	0.072	0.35	2.8	0.20	1.8	5.1	0.26	4	4.3	4.4
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Confirmation Email List  
Receiving Lab: Canada-Vancouver  
Received: September 03, 2011  
Report Date: September 28, 2011  
Page: 1 of 11

## CERTIFICATE OF ANALYSIS

VAN11004465.1

### CLIENT JOB INFORMATION

Project: CCJV  
Shipment ID:  
P.O. Number: X-09  
Number of Samples: 281

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	281	Sorting of samples on arrival and labeling			VAN
1DX2	281	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

### 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: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Report Email List



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 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: September 28, 2011

Page: 2 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11004465.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1180829	Silt	8.1	64.1	17.6	1901	0.8	159.0	6.7	367	2.28	196.0	19.6	1.7	54	12.6	12.9	0.8	78	0.49	0.133	15
1180830	Silt	11.3	68.8	13.1	561	1.7	116.1	33.9	880	9.81	205.6	13.3	2.4	40	8.1	11.4	0.2	62	0.27	0.170	14
1180831	Silt	5.7	15.0	5.7	237	0.2	18.6	4.4	70	34.20	21.2	4.4	1.2	14	0.7	5.8	<0.1	30	0.07	0.054	3
1181371	Silt	21.6	4.6	0.8	36	<0.1	16.8	5.0	>10000	37.84	2219	2.3	0.2	120	0.3	0.6	<0.1	<2	1.57	0.191	<1
1182517	Silt	5.5	140.1	29.9	776	0.6	231.6	41.1	1618	4.60	82.9	14.5	3.3	98	4.3	11.1	0.3	33	0.57	0.135	12
1374165	Soil Pulp	17.7	21.1	14.9	105	5.6	23.9	1.8	37	1.35	38.7	2.1	<0.1	42	0.8	8.6	0.2	140	0.03	0.128	15
1374166	Soil Pulp	3.5	18.0	15.9	22	6.2	4.4	0.6	14	0.65	9.5	1.0	<0.1	10	0.5	1.2	0.2	48	0.03	0.049	12
1374167	Soil Pulp	5.3	36.8	13.1	48	2.9	14.4	2.5	52	1.37	33.4	4.0	0.3	21	0.2	3.3	0.1	46	0.02	0.124	5
1374168	Soil Pulp	3.7	19.7	14.8	55	1.0	13.3	2.7	74	2.33	43.5	2.8	0.6	13	0.1	3.1	0.2	52	0.01	0.073	6
1374169	Soil Pulp	8.5	14.1	18.4	57	3.2	11.8	2.2	57	2.20	45.3	2.9	1.7	23	0.4	4.5	0.3	139	0.02	0.108	10
1374170	Soil Pulp	5.2	14.8	15.6	67	0.6	13.7	2.8	65	1.97	40.5	3.0	0.6	13	0.1	3.4	0.2	70	0.02	0.063	9
1374171	Soil Pulp	6.7	16.2	12.1	64	1.5	13.8	2.1	56	1.26	30.0	8.7	0.4	25	0.5	5.0	0.2	79	0.08	0.080	12
1374172	Soil Pulp	3.5	31.1	13.3	49	1.0	12.9	3.3	151	1.49	28.1	4.9	0.6	19	0.5	2.3	0.3	37	0.06	0.074	8
1374173	Soil Pulp	3.2	18.4	10.4	46	0.1	9.2	2.4	98	1.74	26.7	2.9	0.2	9	0.2	2.7	0.2	66	0.02	0.057	14
1374174	Soil Pulp	2.0	11.6	6.8	28	0.3	5.6	1.4	33	0.75	13.1	2.5	<0.1	7	0.2	2.6	0.1	38	0.01	0.033	10
1374175	Soil Pulp	3.7	33.5	11.6	77	0.4	21.2	4.6	129	1.87	21.7	4.9	1.6	18	0.6	2.9	0.2	49	0.04	0.080	13
1374176	Soil Pulp	3.0	46.1	14.8	249	0.3	53.2	13.8	410	3.75	180.9	15.0	4.1	33	1.1	5.5	1.6	35	0.53	0.073	18
1374177	Soil Pulp	3.5	48.9	13.5	461	0.6	149.6	9.5	439	2.30	79.6	7.4	2.6	42	2.1	3.4	0.3	54	0.58	0.114	14
1374178	Soil Pulp	4.6	101.4	13.1	678	0.9	248.5	32.1	1551	2.45	182.8	8.0	2.6	43	3.6	3.6	0.3	44	0.69	0.130	12
1374179	Soil Pulp	4.4	24.6	14.1	130	0.7	30.2	3.6	215	1.72	61.4	8.1	1.1	29	1.9	3.2	0.3	58	0.11	0.109	12
1374180	Soil Pulp	4.8	30.5	12.8	148	0.6	20.8	3.7	113	1.36	98.4	11.0	2.6	51	1.6	5.6	0.2	40	0.35	0.085	14
1374181	Soil Pulp	3.2	21.4	13.3	64	0.9	12.7	2.1	52	1.79	126.6	4.8	0.4	18	0.3	4.2	0.5	45	0.02	0.071	14
1374182	Soil Pulp	1.1	15.8	3.7	52	0.2	7.3	2.7	125	0.71	30.0	2.6	0.2	14	1.1	1.2	<0.1	14	0.09	0.049	4
1374183	Soil Pulp	14.2	14.1	39.4	39	1.9	7.4	1.1	47	1.81	61.9	10.2	0.2	27	0.3	20.1	0.4	41	0.03	0.071	23
1374184	Soil Pulp	3.0	12.1	12.6	51	1.0	9.0	2.1	59	1.16	28.8	3.6	<0.1	11	0.6	3.1	0.3	52	0.02	0.036	12
1374185	Soil Pulp	2.3	13.0	7.3	34	0.6	5.2	1.2	27	0.89	32.2	2.0	<0.1	12	0.2	1.8	0.1	30	0.02	0.053	4
1374186	Soil Pulp	122.9	47.5	21.2	16	4.0	3.1	0.4	50	2.86	134.6	<0.5	1.9	147	0.2	53.7	0.2	266	0.03	0.771	21
1374187	Soil Pulp	18.9	13.0	13.3	14	2.3	5.8	0.3	44	0.68	8.2	1.2	0.2	22	0.4	11.2	0.1	81	0.07	0.154	7
1374188	Soil Pulp	12.3	7.6	12.6	7	3.2	1.6	0.2	6	0.47	4.5	5.6	<0.1	10	<0.1	6.8	0.1	55	<0.01	0.055	8
1374189	Soil Pulp	22.6	14.5	15.3	19	3.7	3.8	0.6	16	0.84	14.6	3.0	0.1	28	0.3	17.2	0.2	97	0.01	0.086	13

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Project: CCJV  
 Report Date: September 28, 2011

Page: 2 of 11 Part 2

CERTIFICATE OF ANALYSIS

VAN11004465.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1180829	Silt	20	0.32	581	0.022	2	0.94	0.007	0.11	0.7	0.18	1.9	0.3	0.06	3	5.8	<0.2
1180830	Silt	21	0.31	559	0.017	1	1.38	0.006	0.07	0.6	0.12	2.2	0.2	0.20	3	7.2	<0.2
1180831	Silt	7	0.07	154	0.004	3	0.65	0.002	0.04	0.2	0.09	1.4	0.1	1.02	<1	3.0	<0.2
1181371	Silt	2	0.09	392	0.002	4	0.05	0.002	0.02	1.8	0.03	0.3	<0.1	0.07	1	1.0	<0.2
1182517	Silt	45	0.36	504	0.002	2	1.39	0.006	0.08	0.1	0.14	3.9	0.4	0.20	4	5.5	<0.2
1374165	Soil Pulp	23	0.04	235	0.005	2	0.53	0.005	0.06	0.3	0.09	0.3	0.7	0.09	4	7.7	<0.2
1374166	Soil Pulp	14	0.02	144	0.004	<1	0.56	0.002	0.02	<0.1	0.05	<0.1	0.2	<0.05	4	1.9	<0.2
1374167	Soil Pulp	13	0.05	260	0.002	2	0.51	0.006	0.04	0.2	0.18	0.4	0.3	0.09	2	5.2	<0.2
1374168	Soil Pulp	14	0.07	124	0.004	1	0.63	0.002	0.05	0.2	0.04	0.8	0.1	<0.05	4	1.6	<0.2
1374169	Soil Pulp	16	0.06	213	0.005	2	0.74	0.003	0.05	0.3	0.08	0.8	0.4	0.07	4	4.7	<0.2
1374170	Soil Pulp	11	0.05	148	0.005	1	0.52	0.002	0.04	0.3	0.02	0.7	0.2	0.05	3	2.0	<0.2
1374171	Soil Pulp	14	0.14	333	0.005	2	0.67	0.005	0.05	0.4	0.28	0.5	0.3	<0.05	3	3.0	<0.2
1374172	Soil Pulp	14	0.10	699	0.004	2	0.87	0.010	0.07	0.2	0.12	0.8	0.2	0.05	3	1.6	<0.2
1374173	Soil Pulp	10	0.04	114	0.007	2	0.45	0.003	0.04	0.4	0.02	0.5	0.1	<0.05	5	<0.5	<0.2
1374174	Soil Pulp	7	0.02	85	0.003	<1	0.31	0.007	0.03	0.2	0.01	<0.1	<0.1	<0.05	3	1.0	<0.2
1374175	Soil Pulp	24	0.25	640	0.004	5	1.11	0.005	0.06	0.4	0.08	1.9	0.2	0.05	4	1.6	<0.2
1374176	Soil Pulp	25	0.55	299	0.034	2	1.80	0.015	0.12	3.6	0.06	2.7	0.2	0.06	5	4.0	<0.2
1374177	Soil Pulp	21	0.38	546	0.008	3	1.19	0.008	0.08	0.5	0.20	2.4	0.2	0.05	3	2.8	<0.2
1374178	Soil Pulp	20	0.33	382	0.006	2	2.07	0.006	0.08	0.5	0.22	2.4	0.3	0.09	3	6.1	<0.2
1374179	Soil Pulp	19	0.20	1067	0.003	3	0.93	0.004	0.07	0.3	0.13	1.5	0.1	0.05	3	3.6	<0.2
1374180	Soil Pulp	13	0.21	1560	0.005	3	0.66	0.004	0.07	0.3	0.27	1.7	0.2	0.07	2	4.8	<0.2
1374181	Soil Pulp	14	0.10	198	0.003	<1	0.62	0.004	0.04	0.2	0.02	0.4	0.1	<0.05	4	1.4	<0.2
1374182	Soil Pulp	7	0.05	219	0.008	<1	0.33	0.016	0.04	0.3	0.02	0.3	<0.1	0.06	1	1.1	<0.2
1374183	Soil Pulp	9	0.08	475	0.003	2	0.37	0.003	0.11	0.4	0.72	0.4	0.5	0.19	2	7.7	<0.2
1374184	Soil Pulp	10	0.04	124	0.006	2	0.40	0.003	0.05	0.2	0.04	0.3	0.2	<0.05	4	1.0	<0.2
1374185	Soil Pulp	5	0.02	140	0.005	<1	0.46	0.009	0.04	<0.1	0.03	0.2	<0.1	0.05	2	1.4	<0.2
1374186	Soil Pulp	34	0.03	481	0.008	<1	0.39	0.003	0.21	1.7	0.43	2.8	2.3	0.37	4	73.0	0.3
1374187	Soil Pulp	10	0.02	297	0.002	1	0.22	0.005	0.09	0.3	0.19	0.2	0.8	0.15	2	14.7	<0.2
1374188	Soil Pulp	9	0.01	252	0.003	2	0.16	0.003	0.06	0.4	0.10	0.3	0.4	0.09	1	6.1	<0.2
1374189	Soil Pulp	13	0.02	334	0.004	<1	0.31	0.005	0.07	0.4	0.14	0.2	0.7	0.15	3	18.6	<0.2

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Project: CCJV  
 Report Date: September 28, 2011

Page: 3 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11004465.1

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1374190	Soil Pulp	22.7	11.7	17.5	16	5.2	3.6	0.7	15	0.93	15.5	3.7	0.1	18	0.2	10.1	0.2	77	0.02	0.131	9
1374191	Soil Pulp	17.1	15.8	14.3	24	3.5	5.6	1.0	18	0.82	10.4	3.3	<0.1	26	0.4	5.8	0.2	96	0.02	0.075	11
1374192	Soil Pulp	6.8	13.7	13.3	25	1.2	5.2	0.9	18	0.65	12.6	2.7	<0.1	36	1.0	3.6	0.3	60	0.02	0.073	10
1374193	Soil Pulp	5.7	14.4	10.9	55	0.6	8.6	2.0	65	1.97	48.8	5.3	0.7	22	0.7	5.7	0.6	65	0.02	0.061	13
1374194	Soil Pulp	5.6	19.1	15.4	75	0.2	14.8	2.6	74	3.81	151.4	10.9	2.9	22	0.2	7.0	0.9	84	0.02	0.075	14
1374195	Soil Pulp	4.8	11.9	13.1	53	<0.1	10.5	3.0	104	3.51	93.3	5.8	2.5	9	0.2	3.8	1.1	98	0.02	0.049	10
1374196	Soil Pulp	3.3	9.3	8.5	37	0.7	6.6	1.6	42	1.13	48.3	7.7	0.2	10	0.5	3.0	0.5	51	0.02	0.032	9
1374197	Soil Pulp	1.3	11.0	6.7	52	0.2	6.2	4.8	208	1.75	81.0	12.9	6.1	16	0.4	2.1	1.7	29	0.24	0.080	27
1374198	Soil Pulp	3.1	7.6	9.4	46	0.1	8.5	2.1	44	0.94	11.4	1.0	0.5	8	0.2	1.4	0.1	76	0.02	0.028	11
1374199	Soil Pulp	3.6	39.9	15.1	102	0.7	31.5	6.8	152	2.55	22.9	5.5	2.1	19	0.4	1.7	0.2	32	0.05	0.069	7
1374200	Soil Pulp	9.3	10.0	9.9	19	3.8	5.1	0.5	11	1.11	9.6	5.2	1.0	24	0.6	3.4	0.1	166	0.06	0.365	7
1382001	Soil Pulp	47.1	38.6	22.0	170	11.8	21.6	0.8	10	1.61	23.3	32.5	1.8	199	1.1	19.6	0.2	459	0.07	0.445	15
1382002	Soil Pulp	8.3	52.4	14.2	387	0.6	58.3	7.1	62	2.49	35.5	6.1	2.2	9	1.0	2.4	0.2	22	0.05	0.038	15
1382003	Soil Pulp	8.4	54.4	65.0	144	0.6	29.7	5.9	389	2.28	22.6	5.4	1.7	155	0.7	2.5	0.5	30	0.34	0.255	15
1382004	Soil Pulp	65.4	89.6	10.0	1021	2.0	204.5	3.9	85	1.39	60.9	3.0	0.7	68	15.8	25.6	<0.1	469	1.89	0.082	11
1382005	Soil Pulp	22.3	37.5	8.3	534	0.4	103.7	7.0	101	2.54	24.4	2.2	2.1	20	1.6	7.2	0.1	141	0.20	0.042	12
1382006	Soil Pulp	5.2	36.9	11.6	173	0.6	40.6	8.5	128	2.66	14.0	2.4	1.8	27	0.6	2.3	0.2	21	0.17	0.051	12
1382007	Soil Pulp	15.0	52.3	13.4	385	1.1	79.3	11.5	189	3.20	16.2	5.2	3.0	46	1.8	5.1	0.2	33	0.99	0.074	13
1382008	Soil Pulp	36.7	36.7	12.9	413	1.6	79.4	32.6	5931	2.67	30.6	3.6	1.2	49	6.2	6.6	0.1	97	0.79	0.131	9
1382009	Soil Pulp	16.9	74.5	14.2	382	1.3	93.5	7.6	237	2.01	28.2	5.8	1.6	82	3.8	6.3	0.1	72	1.20	0.103	11
1382010	Soil Pulp	22.5	89.0	43.8	903	1.1	130.9	10.0	985	2.71	24.9	2.8	1.5	67	9.5	7.2	0.1	134	1.04	0.167	11
1382011	Soil Pulp	29.1	24.7	30.6	507	0.7	43.1	1.2	130	1.13	22.9	2.9	0.4	33	3.1	10.1	<0.1	388	0.21	0.051	7
1382012	Soil Pulp	0.5	21.0	12.3	42	0.2	42.1	16.9	310	3.19	10.6	2.4	4.1	29	0.2	1.0	0.4	6	0.32	0.040	16
1382013	Soil Pulp	24.3	9.8	11.0	62	2.3	16.9	0.7	5	0.63	10.9	6.0	0.4	42	0.8	3.9	0.1	42	0.12	0.029	9
1382014	Soil Pulp	6.4	392.0	27.2	497	1.1	122.7	40.0	429	9.39	49.9	34.1	2.0	70	1.3	8.6	0.2	17	4.56	0.179	7
1382015	Soil Pulp	4.9	14.2	9.3	113	0.4	15.7	4.3	66	1.43	6.9	0.9	0.6	8	0.8	1.4	0.1	52	0.06	0.054	10
1382016	Soil Pulp	9.4	13.3	20.3	79	0.7	16.4	2.0	30	0.93	5.5	0.8	0.2	40	1.5	1.7	0.1	92	0.04	0.066	7
1382017	Soil Pulp	3.9	25.4	10.6	121	1.2	26.1	6.8	87	1.66	3.8	1.0	0.6	44	1.0	1.3	0.1	42	0.43	0.042	8
1382018	Soil Pulp	13.2	27.2	11.6	427	0.4	48.2	6.5	106	2.34	13.3	3.2	2.0	5	1.6	3.8	0.1	76	0.03	0.039	22
1382019	Soil Pulp	17.3	23.5	8.3	440	0.4	52.3	4.7	61	1.88	10.5	1.3	2.3	5	2.3	4.8	<0.1	84	0.06	0.035	17

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Project: CCJV  
 Report Date: September 28, 2011

Page: 3 of 11 Part 2

CERTIFICATE OF ANALYSIS

VAN11004465.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1374190	Soil Pulp	11	0.02	336	0.003	2	0.34	0.005	0.08	0.4	0.11	0.1	0.4	0.16	3	21.4	<0.2
1374191	Soil Pulp	14	0.02	380	0.003	2	0.38	0.004	0.04	0.4	0.10	0.2	0.3	0.10	2	4.4	<0.2
1374192	Soil Pulp	9	0.01	252	0.002	<1	0.46	0.004	0.04	0.9	0.03	<0.1	0.2	0.06	3	2.4	<0.2
1374193	Soil Pulp	11	0.10	157	0.028	1	0.95	0.005	0.05	3.4	0.03	0.8	0.2	0.05	6	1.7	<0.2
1374194	Soil Pulp	18	0.14	192	0.082	2	1.48	0.004	0.07	5.0	0.04	1.8	0.2	0.06	11	2.2	<0.2
1374195	Soil Pulp	15	0.15	115	0.089	<1	1.08	0.003	0.06	10.2	0.01	1.5	0.1	<0.05	13	0.8	<0.2
1374196	Soil Pulp	13	0.05	154	0.024	2	0.49	0.005	0.04	3.7	0.04	0.4	0.1	<0.05	5	0.7	<0.2
1374197	Soil Pulp	8	0.40	141	0.107	<1	1.58	0.034	0.22	13.8	0.07	2.6	0.3	<0.05	6	<0.5	<0.2
1374198	Soil Pulp	9	0.04	102	0.006	2	0.45	0.002	0.04	0.1	0.01	0.5	0.2	<0.05	4	<0.5	<0.2
1374199	Soil Pulp	21	0.24	2020	0.002	2	1.02	0.003	0.08	<0.1	0.22	2.9	0.2	<0.05	3	1.1	<0.2
1374200	Soil Pulp	21	0.02	276	0.005	2	0.69	0.003	0.06	0.4	0.12	1.0	1.4	<0.05	3	3.7	<0.2
1382001	Soil Pulp	49	0.05	1169	0.003	2	1.15	0.003	0.12	0.8	3.01	2.0	4.3	0.08	6	31.5	0.4
1382002	Soil Pulp	6	0.03	188	0.002	3	0.34	0.004	0.07	<0.1	0.08	1.7	0.1	<0.05	1	2.2	<0.2
1382003	Soil Pulp	10	0.03	837	0.003	4	0.38	0.004	0.14	<0.1	0.15	2.0	0.2	0.16	1	2.6	0.3
1382004	Soil Pulp	39	0.59	485	0.003	6	0.53	0.004	0.08	0.5	0.77	2.1	0.6	<0.05	2	6.1	0.2
1382005	Soil Pulp	21	0.09	952	0.002	4	0.73	0.004	0.10	0.1	0.07	1.7	0.3	<0.05	2	4.8	<0.2
1382006	Soil Pulp	8	0.06	1158	0.002	2	0.52	0.005	0.11	<0.1	0.06	1.6	0.1	0.11	1	1.6	<0.2
1382007	Soil Pulp	8	0.31	459	0.001	4	0.24	0.002	0.07	<0.1	0.27	4.0	0.1	0.06	<1	3.1	<0.2
1382008	Soil Pulp	13	0.16	778	0.002	4	0.40	0.003	0.07	0.2	0.40	2.1	0.4	0.10	1	3.4	<0.2
1382009	Soil Pulp	13	0.15	637	0.002	4	0.36	0.003	0.07	0.1	0.71	2.8	0.2	0.09	<1	3.2	<0.2
1382010	Soil Pulp	17	0.11	371	0.004	3	0.43	0.003	0.08	0.1	0.30	2.1	0.4	0.09	1	4.7	<0.2
1382011	Soil Pulp	22	0.08	127	0.004	3	0.35	0.007	0.07	0.1	0.18	1.0	0.8	<0.05	2	6.4	<0.2
1382012	Soil Pulp	5	0.09	453	0.001	2	0.19	0.002	0.11	<0.1	0.06	2.5	<0.1	0.09	<1	0.7	<0.2
1382013	Soil Pulp	6	0.02	231	0.001	<1	0.11	0.002	0.08	0.1	0.27	0.2	0.5	0.11	<1	2.0	<0.2
1382014	Soil Pulp	7	1.07	769	0.002	3	0.50	0.004	0.07	<0.1	0.25	4.4	0.2	0.31	<1	5.0	<0.2
1382015	Soil Pulp	9	0.05	306	0.002	1	0.68	0.004	0.08	<0.1	0.02	0.7	0.1	<0.05	2	<0.5	<0.2
1382016	Soil Pulp	11	0.03	198	0.003	2	0.38	0.008	0.07	<0.1	0.02	0.5	0.3	0.06	3	0.9	<0.2
1382017	Soil Pulp	10	0.10	1261	0.005	3	0.52	0.015	0.09	<0.1	0.04	1.0	<0.1	0.07	2	1.3	<0.2
1382018	Soil Pulp	11	0.05	451	0.002	2	0.52	0.002	0.07	<0.1	0.06	1.4	0.2	<0.05	1	2.3	<0.2
1382019	Soil Pulp	9	0.03	278	0.002	2	0.38	0.003	0.07	<0.1	0.03	1.1	0.1	<0.05	1	1.9	<0.2

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Project: CCJV  
 Report Date: September 28, 2011

Page: 4 of 11 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11004465.1**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1382020	Soil Pulp	23.6	34.6	39.6	625	2.2	55.3	3.7	283	2.87	29.9	1.5	0.4	17	1.7	9.6	0.1	128	0.05	0.142	11
1382021	Soil Pulp	19.2	25.5	17.0	226	0.3	44.3	5.5	54	2.20	15.5	1.7	2.3	9	0.6	4.4	0.1	67	0.08	0.026	17
1382022	Soil Pulp	55.3	164.3	18.0	2588	1.7	158.5	5.2	281	1.15	50.8	1.7	0.4	73	50.0	27.1	<0.1	1158	1.40	0.111	16
1382023	Soil Pulp	2.9	27.4	7.9	101	0.2	23.2	14.3	1160	2.02	37.0	0.6	0.5	36	1.1	1.0	0.2	51	0.35	0.050	5
1382024	Soil Pulp	55.9	92.1	43.1	1993	1.2	172.0	11.7	447	2.85	60.0	1.7	1.7	37	15.7	22.1	0.2	250	0.65	0.067	19
1382640	Soil Pulp	16.7	93.9	30.1	124	1.2	28.5	6.7	273	6.57	208.1	29.2	6.3	71	0.6	17.5	0.7	103	0.07	0.198	14
1382641	Soil Pulp	5.5	41.8	12.6	188	0.6	34.9	12.4	479	2.68	67.9	15.3	5.1	28	1.3	5.2	0.7	69	0.24	0.116	21
1382642	Soil Pulp	37.5	164.2	52.7	89	4.8	24.6	4.1	130	6.62	987.5	127.0	8.3	128	1.4	73.0	1.0	145	0.12	0.488	16
1382643	Soil Pulp	157.1	193.3	43.4	201	13.6	39.5	4.4	544	4.85	649.7	11.2	5.3	224	6.9	155.7	0.4	1403	0.35	1.600	9
1382644	Soil Pulp	27.6	54.0	17.0	65	1.9	26.4	1.7	109	2.29	133.5	8.9	0.3	109	1.2	23.9	0.3	393	0.19	0.463	8
1382645	Soil Pulp	34.4	31.2	31.0	82	1.4	13.6	2.1	34	1.78	68.1	4.7	<0.1	68	0.8	28.3	0.8	216	0.04	0.108	16
1382646	Soil Pulp	25.9	34.6	23.1	159	1.2	21.6	2.3	46	2.41	131.5	3.3	0.9	67	0.8	37.0	0.7	189	0.06	0.195	18
1382647	Soil Pulp	20.0	18.1	21.9	57	1.4	9.7	1.7	34	1.23	54.9	4.2	0.3	53	0.7	19.7	0.5	137	0.06	0.096	17
1382648	Soil Pulp	21.3	19.7	19.8	71	3.5	13.6	2.5	82	3.21	157.2	38.4	2.7	110	2.8	43.3	0.4	419	0.26	0.450	14
1382649	Soil Pulp	19.6	34.4	24.6	72	1.9	10.7	1.5	42	2.34	125.0	15.0	0.2	70	1.5	13.6	0.7	109	0.06	0.202	10
1382650	Soil Pulp	10.0	58.2	15.0	283	0.6	52.7	7.3	191	2.81	28.6	6.4	1.6	13	1.0	4.9	0.2	126	0.08	0.121	17
1382651	Soil Pulp	17.2	31.0	36.5	80	37.4	14.4	2.3	79	3.76	116.5	20.0	0.8	69	0.8	14.0	0.6	170	0.06	0.565	11
1382652	Soil Pulp	15.5	24.9	23.1	51	15.0	11.2	1.4	33	1.80	47.1	5.0	0.2	105	0.5	6.9	0.4	185	0.05	0.217	12
1382653	Soil Pulp	35.8	29.9	18.6	132	6.2	15.6	1.9	31	1.85	44.0	0.7	0.1	46	0.5	15.1	0.4	331	0.02	0.080	22
1382654	Soil Pulp	32.0	33.8	21.9	68	8.0	16.0	2.4	71	4.59	117.7	10.0	1.8	59	0.6	14.8	0.5	592	0.07	0.750	21
1382655	Soil Pulp	33.1	48.9	16.3	119	6.8	20.2	2.1	39	2.91	56.0	5.9	0.2	46	1.3	12.8	0.3	273	0.06	0.326	20
1382656	Soil Pulp	14.8	59.3	16.6	160	2.0	34.8	7.7	272	2.99	110.9	16.2	1.6	43	1.0	15.2	0.3	163	0.13	0.206	16
1382657	Soil Pulp	11.6	70.7	15.0	133	2.5	33.2	4.7	119	5.65	272.8	18.3	4.0	46	1.1	21.1	0.3	192	0.08	0.246	14
1382658	Soil Pulp	11.3	49.5	17.1	125	1.6	25.6	4.2	109	4.21	177.9	17.8	1.7	39	1.1	10.6	0.5	177	0.08	0.378	16
1382659	Soil Pulp	17.9	50.2	18.1	315	1.0	54.2	9.0	278	2.76	46.0	5.6	1.3	35	2.6	8.8	0.3	174	0.17	0.201	19
1382660	Soil Pulp	16.8	56.2	21.4	293	1.3	54.4	7.2	285	2.75	49.1	6.0	0.5	30	1.7	8.2	0.3	133	0.12	0.140	15
1382661	Soil Pulp	12.3	56.9	21.2	291	1.3	54.2	6.4	136	3.38	53.3	8.2	3.7	25	1.0	6.8	0.3	138	0.06	0.144	17
1382662	Soil Pulp	19.1	101.3	20.8	292	3.1	49.1	5.3	97	3.24	59.2	8.1	4.6	47	1.5	13.1	0.3	294	0.02	0.133	21
1382663	Soil Pulp	39.8	63.4	18.9	406	6.0	68.4	2.9	37	2.38	59.0	1.6	1.0	39	2.3	17.6	0.3	752	0.02	0.086	33
1382664	Soil Pulp	10.3	17.4	12.1	55	5.2	9.7	1.1	20	0.90	6.0	0.7	0.3	13	0.8	3.4	0.2	168	<0.01	0.026	30

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Page: 4 of 11 Part 2

CERTIFICATE OF ANALYSIS

VAN11004465.1

Method	Analyte	1DX15															
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1382020	Soil Pulp	19	0.04	243	0.004	3	0.50	0.005	0.08	<0.1	0.08	0.8	0.4	<0.05	2	9.2	<0.2
1382021	Soil Pulp	8	0.04	371	0.003	3	0.28	0.004	0.07	<0.1	0.03	1.0	0.2	<0.05	1	1.7	<0.2
1382022	Soil Pulp	60	0.19	1298	0.019	9	0.96	0.013	0.12	0.3	0.19	2.9	2.2	<0.05	3	9.5	<0.2
1382023	Soil Pulp	10	0.11	2120	0.011	3	0.69	0.019	0.08	<0.1	0.04	1.9	0.1	0.07	2	<0.5	<0.2
1382024	Soil Pulp	18	0.12	383	0.004	5	0.43	0.003	0.08	0.3	0.12	3.5	1.1	0.05	1	6.7	<0.2
1382640	Soil Pulp	24	0.29	2037	0.065	1	1.79	0.011	0.26	3.3	0.18	4.9	0.3	0.20	6	15.7	0.2
1382641	Soil Pulp	20	0.36	499	0.043	2	1.25	0.016	0.15	4.4	0.20	2.9	0.4	<0.05	4	1.2	<0.2
1382642	Soil Pulp	39	0.15	876	0.020	<1	1.31	0.006	0.16	1.8	0.48	6.1	0.6	0.29	5	43.1	0.7
1382643	Soil Pulp	87	0.12	2515	0.017	5	1.73	0.015	0.24	3.6	2.35	6.1	2.6	0.25	6	97.9	1.3
1382644	Soil Pulp	34	0.07	685	0.005	2	1.03	0.007	0.10	1.7	0.09	0.5	0.5	0.09	3	12.1	0.3
1382645	Soil Pulp	19	0.03	353	0.004	<1	0.65	0.003	0.06	1.9	0.04	0.2	0.3	0.05	7	10.8	<0.2
1382646	Soil Pulp	27	0.07	331	0.021	<1	0.94	0.003	0.05	2.6	0.04	1.1	0.2	<0.05	7	6.8	0.2
1382647	Soil Pulp	17	0.03	334	0.012	<1	0.42	0.003	0.07	0.9	0.02	0.4	0.3	0.06	5	10.2	<0.2
1382648	Soil Pulp	49	0.14	1062	0.011	3	1.51	0.004	0.17	2.0	0.16	2.5	0.4	0.08	5	15.5	0.3
1382649	Soil Pulp	16	0.05	333	0.008	<1	0.50	0.003	0.08	0.8	0.03	0.5	0.2	0.08	5	15.2	0.4
1382650	Soil Pulp	25	0.28	437	0.004	2	1.29	0.002	0.09	0.4	0.22	1.7	0.4	<0.05	3	1.2	<0.2
1382651	Soil Pulp	48	0.12	600	0.013	<1	1.26	0.005	0.10	1.3	0.28	1.3	0.4	0.12	10	44.8	0.4
1382652	Soil Pulp	38	0.04	396	0.007	<1	1.14	0.006	0.06	1.0	0.08	0.4	0.4	<0.05	5	8.2	<0.2
1382653	Soil Pulp	36	0.04	374	0.014	<1	0.65	0.002	0.07	0.7	0.06	<0.1	0.5	<0.05	7	7.3	<0.2
1382654	Soil Pulp	127	0.14	496	0.022	1	1.41	0.003	0.11	2.2	0.55	2.2	0.9	0.08	10	15.7	<0.2
1382655	Soil Pulp	57	0.07	656	0.007	<1	0.93	0.005	0.11	0.4	0.34	0.4	0.5	0.11	6	18.1	<0.2
1382656	Soil Pulp	33	0.23	582	0.008	2	1.37	0.004	0.12	0.6	0.18	1.5	0.3	0.05	4	7.2	<0.2
1382657	Soil Pulp	44	0.20	373	0.027	<1	2.51	0.004	0.07	1.0	0.15	2.6	0.2	0.09	6	8.7	<0.2
1382658	Soil Pulp	34	0.19	516	0.028	<1	1.68	0.004	0.10	2.5	0.11	1.8	0.3	0.06	8	6.7	<0.2
1382659	Soil Pulp	31	0.22	496	0.008	2	1.00	0.003	0.11	0.7	0.12	1.7	0.4	<0.05	4	3.9	<0.2
1382660	Soil Pulp	24	0.21	599	0.007	2	1.01	0.005	0.14	0.8	0.31	1.2	0.4	<0.05	3	2.9	<0.2
1382661	Soil Pulp	28	0.24	357	0.009	1	1.34	0.003	0.10	0.8	0.24	2.1	0.3	<0.05	4	2.9	<0.2
1382662	Soil Pulp	38	0.17	427	0.006	<1	1.52	0.003	0.10	0.7	0.51	2.5	0.5	0.05	4	11.0	<0.2
1382663	Soil Pulp	83	0.08	402	0.011	<1	0.94	0.003	0.12	0.7	0.32	1.5	0.8	0.12	6	26.4	<0.2
1382664	Soil Pulp	29	0.03	204	0.015	<1	0.42	0.002	0.05	0.2	0.02	0.3	0.7	0.05	5	8.1	<0.2

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Project: CCJV  
 Report Date: September 28, 2011

Page: 5 of 11 Part 1

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**VAN11004465.1**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1382665	Soil Pulp	23.2	53.2	20.6	184	7.7	34.4	3.3	61	3.64	84.8	6.7	1.6	44	1.9	15.3	0.4	667	0.10	0.582	20
1382666	Soil Pulp	26.9	97.9	29.2	372	7.1	49.4	3.2	52	3.40	97.8	5.2	1.8	255	7.9	117.9	0.4	650	0.15	0.486	25
1382667	Soil Pulp	82.8	143.0	23.6	267	12.3	38.5	0.7	9	2.31	133.9	10.8	2.5	320	4.2	33.3	0.3	2951	0.41	0.452	20
1382668	Soil Pulp	16.4	60.5	18.5	269	5.2	46.3	5.6	159	2.56	46.8	7.0	0.5	39	1.7	8.8	0.2	272	0.14	0.244	15
1382669	Soil Pulp	4.4	59.2	17.3	116	0.9	26.2	12.7	1111	3.35	36.6	5.6	0.2	19	0.6	2.7	0.3	60	0.03	0.190	6
1382670	Soil Pulp	4.2	91.5	30.5	193	0.9	68.9	22.1	894	6.15	61.2	13.5	0.9	30	0.4	5.4	0.4	42	0.03	0.142	9
1382671	Soil Pulp	3.0	44.6	16.3	206	0.3	49.5	21.2	2363	3.29	125.4	5.4	0.4	29	1.2	6.2	0.2	35	0.16	0.128	10
1382672	Soil Pulp	6.8	43.3	19.3	199	0.3	34.2	18.1	770	2.75	38.8	2.4	0.3	21	1.5	3.5	0.3	59	0.05	0.146	10
1382673	Soil Pulp	6.7	49.2	14.9	116	0.2	23.8	5.5	354	2.63	58.0	1.3	0.1	16	0.3	4.8	0.3	78	0.02	0.078	7
1382674	Soil Pulp	5.2	52.4	14.3	120	0.4	42.7	9.2	493	2.27	53.9	3.4	0.3	23	0.7	10.3	0.3	78	0.07	0.085	10
1382675	Soil Pulp	3.1	82.6	17.9	137	0.3	35.5	6.5	182	2.77	50.5	3.7	1.0	54	0.9	4.8	0.4	58	0.22	0.116	12
1382676	Soil Pulp	3.9	93.3	20.2	188	1.6	47.7	7.7	173	3.43	261.9	17.9	0.4	97	0.6	34.4	0.3	54	0.03	0.103	16
1382677	Soil Pulp	2.6	47.3	11.5	142	0.6	31.3	5.3	89	2.41	82.2	2.4	0.1	20	0.6	16.6	0.3	53	0.02	0.075	8
1382678	Soil Pulp	3.3	45.0	18.6	100	0.2	23.3	6.8	183	3.99	138.7	9.0	3.6	35	0.2	11.6	0.4	62	0.03	0.060	9
1382679	Soil Pulp	4.6	31.9	12.6	87	0.4	21.8	4.5	106	2.39	126.9	5.8	0.3	27	0.1	13.7	0.3	68	0.01	0.054	9
1382680	Soil Pulp	5.9	147.1	27.6	166	0.4	53.2	23.5	2502	5.29	82.8	23.8	2.2	33	0.5	9.4	0.3	33	0.03	0.119	6
1382681	Soil Pulp	4.7	40.2	16.2	99	0.7	24.0	17.7	1220	2.28	90.0	7.4	0.2	60	0.6	13.1	0.3	42	0.03	0.128	8
1382682	Soil Pulp	4.0	50.3	13.9	97	0.3	17.9	4.4	122	2.33	41.1	2.1	<0.1	13	0.4	5.7	0.3	56	0.02	0.077	6
1382683	Soil Pulp	3.7	96.2	33.7	136	0.2	22.9	18.9	957	4.42	28.3	7.0	1.6	12	0.1	3.6	0.4	53	0.03	0.084	4
1383150	Soil Pulp	1.9	21.5	5.1	35	0.5	7.9	1.7	22	0.82	2.7	<0.5	0.1	9	1.1	0.8	<0.1	18	0.03	0.082	5
1383151	Soil Pulp	4.9	29.7	14.4	166	0.5	19.2	5.4	90	2.29	11.4	0.9	2.3	13	2.0	2.6	0.2	44	0.02	0.086	12
1383152	Soil Pulp	6.3	52.1	17.6	167	0.9	22.7	6.7	98	2.66	13.7	1.4	1.4	13	1.6	3.2	0.3	74	0.04	0.135	10
1383153	Soil Pulp	6.0	18.8	14.5	119	0.3	18.7	4.1	115	2.08	14.9	<0.5	0.8	15	1.1	2.6	0.2	53	0.03	0.061	11
1383154	Soil Pulp	3.8	22.1	9.3	107	0.3	24.4	6.7	154	2.12	7.5	<0.5	0.4	5	1.0	1.3	0.2	26	0.01	0.068	11
1383155	Soil Pulp	2.6	21.4	7.1	83	0.9	11.8	2.5	73	1.22	4.1	0.9	0.4	9	1.8	0.9	0.2	31	0.07	0.096	9
1383156	Soil Pulp	3.7	29.3	10.8	141	0.8	15.7	4.8	135	2.27	4.9	<0.5	1.4	14	2.5	1.3	0.2	40	0.08	0.154	10
1383157	Soil Pulp	4.3	84.8	13.5	147	0.4	31.7	7.4	112	3.49	8.1	1.0	0.6	12	0.7	1.8	0.2	48	0.02	0.098	16
1383158	Soil Pulp	5.4	44.4	39.2	125	2.1	18.1	4.1	82	3.83	16.5	0.6	0.3	48	0.2	3.9	0.5	31	0.05	0.099	10
1383159	Soil Pulp	5.4	28.2	13.1	111	0.6	21.2	3.9	99	2.76	12.4	<0.5	1.3	9	1.0	2.3	0.3	75	0.02	0.086	16
1383160	Soil Pulp	4.9	16.4	16.1	120	0.4	17.6	3.3	88	1.88	7.9	<0.5	0.6	12	4.2	2.2	0.2	60	0.05	0.051	15

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Page: 5 of 11 Part 2

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VAN11004465.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1382665	Soil Pulp	76	0.14	478	0.013	3	1.49	0.003	0.13	1.1	0.91	1.9	1.2	0.09	7	13.7	<0.2
1382666	Soil Pulp	65	0.09	1365	0.009	<1	1.02	0.004	0.17	0.7	3.22	2.0	1.2	0.21	6	26.3	0.3
1382667	Soil Pulp	142	0.13	2070	0.018	4	1.46	0.002	0.31	0.8	2.89	3.3	2.3	0.20	10	42.3	0.3
1382668	Soil Pulp	34	0.18	780	0.006	<1	1.00	0.003	0.09	0.6	0.42	0.7	0.5	0.07	4	5.8	<0.2
1382669	Soil Pulp	29	0.05	302	0.003	2	1.03	0.006	0.08	<0.1	0.11	0.3	0.2	0.15	4	1.5	<0.2
1382670	Soil Pulp	22	0.19	362	0.005	1	1.28	0.003	0.09	0.2	0.14	2.3	0.2	0.11	3	1.9	<0.2
1382671	Soil Pulp	20	0.11	1316	0.003	1	0.83	0.005	0.06	0.1	0.09	1.4	0.1	0.06	3	1.0	<0.2
1382672	Soil Pulp	21	0.05	923	0.003	3	0.70	0.003	0.10	0.1	0.04	0.6	0.2	0.09	4	0.8	<0.2
1382673	Soil Pulp	15	0.04	366	0.003	<1	0.56	0.005	0.06	0.2	0.04	0.3	0.2	0.05	4	1.2	<0.2
1382674	Soil Pulp	20	0.05	1900	0.005	<1	0.85	0.004	0.07	0.2	0.06	1.1	0.2	0.08	4	1.0	<0.2
1382675	Soil Pulp	32	0.09	1696	0.005	3	1.20	0.006	0.11	0.2	0.09	2.8	0.2	0.11	5	1.3	<0.2
1382676	Soil Pulp	21	0.10	419	0.005	1	1.09	0.004	0.10	0.2	0.06	1.0	0.3	0.11	5	2.0	<0.2
1382677	Soil Pulp	18	0.04	184	0.004	<1	0.66	0.004	0.05	0.2	0.04	0.5	0.1	0.06	5	0.5	<0.2
1382678	Soil Pulp	27	0.30	223	0.006	1	1.48	0.003	0.05	0.4	0.05	2.2	0.1	0.06	5	1.3	<0.2
1382679	Soil Pulp	13	0.04	220	0.009	2	0.45	0.003	0.05	0.3	0.05	0.7	0.2	0.06	4	1.2	<0.2
1382680	Soil Pulp	25	0.15	670	0.008	2	0.98	0.012	0.08	0.2	0.09	4.3	0.2	0.17	2	2.6	<0.2
1382681	Soil Pulp	16	0.06	267	0.005	2	0.50	0.004	0.07	0.2	0.09	0.4	0.2	0.10	3	1.6	<0.2
1382682	Soil Pulp	18	0.04	264	0.002	1	0.48	0.003	0.04	0.2	0.04	0.3	<0.1	<0.05	5	0.6	<0.2
1382683	Soil Pulp	41	0.17	260	0.007	<1	1.21	0.005	0.05	0.2	0.03	2.1	<0.1	<0.05	6	1.1	<0.2
1383150	Soil Pulp	6	0.03	143	0.004	<1	0.44	0.008	0.04	<0.1	0.03	0.2	<0.1	<0.05	2	<0.5	<0.2
1383151	Soil Pulp	10	0.26	467	0.003	<1	0.75	0.003	0.10	0.2	0.02	1.0	0.2	<0.05	3	1.3	<0.2
1383152	Soil Pulp	14	0.26	435	0.003	<1	0.94	0.002	0.09	0.1	0.06	0.9	0.2	0.06	5	1.0	<0.2
1383153	Soil Pulp	10	0.13	197	0.010	1	0.63	0.005	0.07	0.2	0.02	0.7	0.1	<0.05	4	1.2	<0.2
1383154	Soil Pulp	7	0.05	547	0.004	<1	0.63	0.005	0.05	0.2	0.03	0.5	0.1	<0.05	3	<0.5	<0.2
1383155	Soil Pulp	9	0.11	186	0.005	<1	0.76	0.007	0.05	0.1	0.03	0.2	<0.1	<0.05	3	1.1	<0.2
1383156	Soil Pulp	11	0.21	289	0.005	<1	1.10	0.006	0.09	0.2	0.03	1.1	0.1	<0.05	5	1.0	<0.2
1383157	Soil Pulp	5	0.07	171	0.003	<1	0.51	0.002	0.07	<0.1	0.02	0.8	0.1	<0.05	3	1.9	<0.2
1383158	Soil Pulp	6	0.03	484	0.004	<1	0.35	0.024	0.20	0.1	0.05	0.3	0.2	0.51	2	2.4	0.2
1383159	Soil Pulp	13	0.13	209	0.007	<1	0.92	0.002	0.06	0.2	0.03	0.9	0.2	<0.05	6	0.7	<0.2
1383160	Soil Pulp	11	0.20	287	0.008	<1	0.72	0.003	0.08	0.3	0.01	0.5	0.1	<0.05	5	1.0	<0.2

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Page: 6 of 11 Part 1

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**VAN11004465.1**

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1383161	Soil Pulp	11.0	51.2	36.4	136	1.0	19.9	1.6	31	1.65	17.4	<0.5	0.2	36	0.1	4.1	0.6	85	0.01	0.075	12
1383162	Soil Pulp	6.2	28.5	13.2	106	1.3	19.0	2.4	69	1.91	35.4	6.5	1.2	34	0.5	6.1	0.3	80	0.05	0.138	14
1383163	Soil Pulp	16.0	54.4	19.4	211	3.4	48.3	6.9	480	3.17	121.8	13.4	4.0	55	3.2	15.8	0.4	116	0.18	0.548	15
1383164	Soil Pulp	5.5	48.1	11.7	403	1.6	53.4	4.3	153	1.66	58.7	11.7	0.9	107	13.3	6.9	0.3	76	1.27	0.164	14
1383165	Soil Pulp	8.5	47.0	15.1	224	0.7	42.4	8.6	323	2.50	121.7	16.0	1.6	61	4.2	11.4	0.4	90	0.49	0.140	18
1383166	Soil Pulp	11.6	53.5	17.3	252	1.1	40.7	3.5	72	3.30	132.9	15.2	0.9	37	1.7	18.7	0.3	123	0.07	0.267	15
1383167	Soil Pulp	5.6	18.0	8.3	45	0.7	7.7	1.3	28	1.10	24.8	2.2	<0.1	15	1.3	4.9	0.2	52	0.04	0.044	14
1383168	Soil Pulp	11.8	26.0	16.7	115	1.7	25.4	1.2	23	0.84	9.2	<0.5	<0.1	23	0.4	4.9	0.2	60	0.03	0.070	7
1383169	Soil Pulp	10.0	28.2	19.8	261	4.3	38.5	3.8	81	2.63	63.2	6.7	0.4	17	0.9	12.0	0.3	103	0.02	0.149	15
1383174	Soil Pulp	4.2	26.1	21.0	95	0.5	22.2	7.2	162	3.52	27.5	1.2	0.4	25	0.3	3.7	0.3	34	0.03	0.106	14
1383175	Soil Pulp	5.5	16.2	19.8	44	0.4	9.5	2.2	42	2.00	30.4	3.1	0.4	14	0.1	7.6	0.3	48	<0.01	0.061	19
1383176	Soil Pulp	15.5	62.6	32.7	91	4.8	20.9	2.5	50	4.85	134.4	7.3	0.5	108	0.5	14.9	0.4	119	0.02	0.252	8
1383177	Soil Pulp	7.6	38.3	29.8	69	1.1	7.7	1.3	36	3.43	162.8	34.0	1.9	63	0.2	12.6	0.4	40	0.02	0.078	7
1383178	Soil Pulp	52.1	83.0	34.7	17	18.0	3.9	0.4	11	3.43	72.8	12.6	0.3	87	1.2	39.4	0.4	159	0.02	0.657	22
1383179	Soil Pulp	32.8	42.5	25.4	42	4.9	8.2	1.2	25	1.53	22.4	4.7	0.2	164	0.8	19.6	0.3	315	0.03	0.154	14
1383180	Soil Pulp	9.0	49.0	7.5	14	7.6	4.2	0.6	12	0.74	3.5	0.7	0.1	24	1.0	2.8	0.2	58	0.04	0.137	6
1383182	Soil Pulp	135.0	120.3	28.1	46	6.1	11.8	0.5	43	3.54	107.9	<0.5	4.1	253	7.0	78.7	0.3	426	0.24	1.380	27
1383183	Soil Pulp	13.0	25.2	25.1	25	3.1	4.9	0.6	13	0.78	9.1	1.9	0.3	55	1.3	6.8	0.3	142	0.02	0.146	18
1383184	Soil Pulp	9.8	118.7	42.5	204	1.9	20.6	3.6	171	4.51	422.2	11.8	4.0	135	0.6	16.7	0.6	72	0.05	0.219	10
1383185	Soil Pulp	3.4	19.2	10.1	58	1.0	6.7	1.1	18	0.95	53.8	6.0	<0.1	25	0.2	3.2	0.3	34	0.01	0.050	6
1383186	Soil Pulp	9.7	75.2	28.1	118	1.8	19.8	3.1	146	3.03	24.9	3.9	0.4	99	1.2	5.3	0.4	87	0.02	0.176	7
1383187	Soil Pulp	9.2	44.1	15.6	86	2.1	26.8	4.6	119	3.02	73.0	23.2	0.7	31	1.1	10.2	0.3	75	0.02	0.164	10
1383188	Soil Pulp	11.5	44.2	14.5	298	1.7	74.4	33.9	962	4.40	55.5	22.4	2.0	21	2.3	34.7	0.3	56	0.07	0.178	6
1383189	Soil Pulp	2.7	39.3	34.1	46	1.5	10.6	1.2	27	2.39	112.8	17.2	1.3	37	0.1	14.5	0.2	29	0.01	0.090	19
1383474	Soil Pulp	6.3	32.6	15.5	84	0.9	28.0	7.4	140	3.09	26.2	4.4	1.0	45	0.2	3.0	0.2	25	0.04	0.114	13
1383475	Soil Pulp	3.1	26.7	21.9	94	0.2	33.2	10.6	194	4.65	17.3	3.0	2.2	14	0.2	1.5	0.3	36	0.02	0.108	17
1383476	Soil Pulp	2.5	20.9	14.8	49	<0.1	15.0	4.4	98	2.47	12.9	2.3	0.7	11	0.1	1.1	0.2	30	0.01	0.081	18
1383477	Soil Pulp	2.4	18.4	19.9	75	0.2	25.7	8.4	193	4.33	18.6	2.3	2.3	17	<0.1	1.4	0.3	44	0.01	0.108	22
1383478	Soil Pulp	1.6	17.6	20.5	71	0.1	14.1	5.3	162	3.32	11.0	1.1	3.2	9	0.5	0.6	0.3	34	0.01	0.114	28
1383479	Soil Pulp	5.9	19.8	16.2	65	0.3	16.8	5.1	83	3.89	15.9	1.2	3.0	14	0.3	0.9	0.3	29	0.01	0.069	21

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Project: CCJV  
 Report Date: September 28, 2011

Page: 6 of 11 Part 2

**CERTIFICATE OF ANALYSIS**

**VAN11004465.1**

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1383161	Soil Pulp	16	0.04	391	0.004	1	0.48	0.004	0.08	0.3	0.03	0.3	0.2	0.18	4	1.7	0.3
1383162	Soil Pulp	17	0.12	304	0.008	1	0.75	0.004	0.06	1.3	0.13	0.9	0.2	<0.05	4	3.2	<0.2
1383163	Soil Pulp	33	0.16	681	0.012	1	1.50	0.003	0.09	1.4	0.32	2.2	0.4	0.07	3	6.9	<0.2
1383164	Soil Pulp	28	0.29	1236	0.020	3	1.24	0.010	0.14	0.7	0.31	1.4	0.3	0.13	4	5.5	<0.2
1383165	Soil Pulp	26	0.33	738	0.024	2	1.32	0.008	0.13	1.2	0.16	1.8	0.3	<0.05	4	3.8	<0.2
1383166	Soil Pulp	25	0.14	355	0.004	<1	1.01	0.003	0.09	0.6	0.16	0.6	0.3	<0.05	3	6.4	<0.2
1383167	Soil Pulp	9	0.01	123	0.003	<1	0.27	0.006	0.02	0.2	0.02	<0.1	<0.1	<0.05	2	1.4	<0.2
1383168	Soil Pulp	23	0.03	140	0.002	<1	0.35	0.004	0.04	0.3	0.02	<0.1	0.3	<0.05	3	4.6	<0.2
1383169	Soil Pulp	15	0.10	244	0.007	<1	0.61	0.003	0.08	0.5	0.04	0.6	0.2	<0.05	3	3.7	<0.2
1383174	Soil Pulp	11	0.05	249	0.004	<1	0.46	0.003	0.06	0.1	0.08	0.4	0.1	0.10	3	1.5	<0.2
1383175	Soil Pulp	9	0.02	461	0.004	1	0.38	0.003	0.06	0.2	0.10	0.3	0.2	0.09	3	1.4	<0.2
1383176	Soil Pulp	17	0.03	454	0.005	2	0.68	0.008	0.19	0.2	0.40	0.7	0.5	0.46	2	9.4	0.3
1383177	Soil Pulp	10	0.03	319	0.004	1	0.40	0.002	0.13	0.2	0.08	0.9	0.3	0.27	2	4.7	<0.2
1383178	Soil Pulp	62	0.02	168	0.003	1	0.82	0.003	0.24	1.6	4.03	0.6	2.0	0.68	4	53.2	0.5
1383179	Soil Pulp	22	0.04	660	0.006	2	0.61	0.004	0.09	0.5	0.72	0.3	1.6	0.15	6	25.4	0.4
1383180	Soil Pulp	16	0.01	401	0.003	<1	0.49	0.007	0.04	0.1	0.11	0.2	0.3	0.07	2	9.6	<0.2
1383182	Soil Pulp	59	0.06	371	0.010	3	1.18	0.004	0.25	1.6	0.44	3.7	5.9	0.37	5	74.7	1.0
1383183	Soil Pulp	22	0.02	328	0.003	<1	0.48	0.004	0.05	0.2	0.70	0.2	1.2	0.06	3	4.1	<0.2
1383184	Soil Pulp	17	0.06	338	0.007	1	0.80	0.004	0.13	0.1	0.04	3.1	0.4	0.20	3	8.1	0.3
1383185	Soil Pulp	8	0.02	139	0.004	2	0.42	0.005	0.04	0.1	0.04	0.3	0.1	0.09	2	1.6	<0.2
1383186	Soil Pulp	21	0.02	832	0.002	3	0.50	0.005	0.14	0.2	0.09	0.3	0.2	0.36	2	4.5	<0.2
1383187	Soil Pulp	23	0.10	1371	0.006	2	1.40	0.004	0.06	0.3	0.41	0.4	0.4	0.13	5	3.0	0.2
1383188	Soil Pulp	17	0.06	5452	0.008	2	2.11	0.005	0.06	0.3	1.00	2.2	0.7	0.09	3	3.5	0.6
1383189	Soil Pulp	22	0.05	531	0.001	3	0.49	0.002	0.07	<0.1	0.13	1.0	0.1	0.07	3	9.5	<0.2
1383474	Soil Pulp	19	0.23	244	0.001	1	1.09	0.008	0.07	<0.1	0.08	0.7	0.2	0.10	3	1.0	<0.2
1383475	Soil Pulp	24	0.18	72	0.004	1	1.24	0.005	0.04	0.1	0.05	1.6	0.1	<0.05	5	0.8	<0.2
1383476	Soil Pulp	13	0.08	62	0.003	<1	0.78	0.005	0.04	<0.1	0.03	0.5	0.1	<0.05	4	<0.5	<0.2
1383477	Soil Pulp	19	0.15	71	0.006	1	1.13	0.005	0.05	0.1	0.02	1.8	0.1	<0.05	6	0.6	<0.2
1383478	Soil Pulp	17	0.10	119	0.002	1	1.24	0.005	0.07	<0.1	0.02	1.4	0.1	<0.05	5	<0.5	<0.2
1383479	Soil Pulp	22	0.16	81	0.004	<1	1.08	0.005	0.05	<0.1	0.04	1.7	0.2	<0.05	5	0.9	<0.2

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Project: CCJV  
 Report Date: September 28, 2011

Page: 7 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11004465.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm		
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1383480	Soil Pulp			3.8	23.3	19.7	75	<0.1	21.0	7.4	125	4.17	16.6	1.5	1.2	16	0.1	0.8	0.3	30	<0.01	0.122	14
1383481	Soil Pulp			5.8	38.1	25.8	120	0.2	37.9	17.3	337	4.65	23.7	2.4	5.0	19	0.2	1.0	0.3	26	0.01	0.100	22
1383482	Soil Pulp			3.7	18.8	18.4	63	0.2	19.6	5.9	150	3.69	13.7	1.1	3.5	8	0.1	0.7	0.3	25	<0.01	0.071	18
1383483	Soil Pulp			3.2	18.6	21.2	65	0.3	17.7	5.1	143	4.58	17.4	1.2	3.0	16	0.1	0.9	0.3	35	0.01	0.126	19
1383484	Soil Pulp			2.5	21.6	14.3	54	0.1	17.2	4.3	80	2.47	9.4	1.3	1.1	8	0.2	0.5	0.2	27	0.01	0.077	14
1383485	Soil Pulp			2.9	17.1	21.3	57	0.2	14.5	4.1	95	3.63	16.1	0.7	2.3	12	<0.1	0.8	0.3	34	<0.01	0.144	13
1383486	Soil Pulp			3.0	18.6	13.4	79	0.1	23.5	7.3	158	3.61	13.4	0.7	1.1	9	0.2	1.0	0.2	33	0.02	0.064	10
1383487	Soil Pulp			3.4	17.1	13.6	78	0.1	24.1	8.9	177	2.84	12.4	1.0	1.9	8	0.4	0.9	0.2	31	0.02	0.049	9
1383488	Soil Pulp			4.2	29.2	14.5	71	0.2	28.2	6.7	119	3.34	12.1	1.0	1.4	10	0.1	0.5	0.2	29	<0.01	0.072	7
1383489	Soil Pulp			3.1	30.0	19.4	75	0.2	27.1	8.3	206	3.54	13.6	1.0	2.1	18	0.2	0.6	0.3	27	0.02	0.081	5
1383490	Soil Pulp			3.0	16.3	11.7	70	0.1	17.8	4.8	142	2.55	13.0	1.3	1.2	9	0.1	1.2	0.2	48	0.03	0.041	9
1383491	Soil Pulp			7.4	20.4	18.2	71	<0.1	21.9	5.3	184	3.75	18.3	0.8	0.9	19	<0.1	1.0	0.3	35	<0.01	0.080	5
1383492	Soil Pulp			4.3	19.3	17.9	71	<0.1	18.6	5.0	101	4.23	19.2	0.9	1.6	13	<0.1	1.2	0.3	44	0.02	0.068	6
1383493	Soil Pulp			3.4	25.4	18.5	80	0.1	24.3	7.0	146	3.75	16.7	1.5	2.0	13	0.1	1.2	0.3	37	0.01	0.075	5
1383494	Soil Pulp			2.4	13.2	16.1	38	0.1	11.8	3.4	65	2.50	11.1	<0.5	1.5	8	<0.1	0.6	0.2	31	0.01	0.050	4
1383495	Soil Pulp			3.4	17.6	20.7	55	0.1	15.5	4.2	55	3.02	14.4	1.3	1.1	18	<0.1	0.7	0.3	33	0.01	0.087	5
1383496	Soil Pulp			6.5	24.6	19.3	53	<0.1	13.3	3.4	112	3.91	18.6	<0.5	1.2	10	<0.1	1.1	0.3	38	0.01	0.074	3
1383497	Soil Pulp			3.7	18.9	11.5	54	0.1	13.4	4.3	56	2.73	13.8	<0.5	1.3	6	<0.1	0.9	0.2	41	<0.01	0.047	5
1383498	Soil Pulp			3.9	18.0	15.4	65	<0.1	17.8	5.3	144	3.52	14.5	<0.5	0.8	10	<0.1	1.1	0.3	41	0.02	0.069	5
1383499	Soil Pulp			4.8	23.7	15.2	80	<0.1	25.2	8.6	188	3.81	15.4	0.7	0.9	12	0.1	1.1	0.2	41	0.02	0.072	6
1383500	Soil Pulp			2.8	19.7	16.5	68	0.1	18.5	5.4	180	3.10	14.3	1.3	0.5	15	<0.1	1.1	0.3	42	0.02	0.096	7
1384501	Soil Pulp			3.0	14.4	12.4	42	<0.1	10.1	2.9	65	1.81	11.6	1.1	0.2	9	<0.1	1.1	0.2	44	0.01	0.065	9
1384502	Soil Pulp			2.9	24.6	18.7	87	0.2	22.6	7.3	213	3.52	27.7	2.6	0.6	30	0.2	2.0	0.3	41	0.02	0.114	10
1384503	Soil Pulp			4.1	16.9	12.3	61	<0.1	13.9	4.4	86	2.23	24.1	1.5	0.4	12	<0.1	2.6	0.2	49	0.01	0.065	8
1384504	Soil Pulp			6.1	37.7	23.0	135	0.2	35.6	9.7	197	5.16	46.6	2.7	3.4	42	0.2	3.4	0.4	52	0.01	0.081	7
1384505	Soil Pulp			1.4	65.2	12.8	64	0.2	13.4	4.0	139	2.35	11.9	8.4	0.3	6	<0.1	1.3	0.2	28	0.01	0.047	3
1384506	Soil Pulp			3.6	158.7	23.6	174	0.4	41.6	15.4	394	3.50	47.6	16.3	1.2	16	<0.1	4.7	0.3	39	0.04	0.097	6
1384507	Soil Pulp			5.9	77.8	16.1	188	0.8	44.5	18.0	655	3.98	228.2	51.4	1.7	64	0.3	26.1	0.3	37	0.02	0.105	13
1384508	Soil Pulp			3.5	93.9	22.4	124	0.2	26.7	8.5	361	4.32	38.1	10.3	1.1	12	<0.1	5.0	0.3	52	0.02	0.079	6
1384509	Soil Pulp			4.0	38.8	23.5	118	0.2	16.0	11.1	1250	7.32	21.7	6.5	0.6	9	0.6	3.6	0.4	105	0.02	0.103	7

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Page: 7 of 11 Part 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1383480	Soil Pulp	17	0.10	80	0.003	<1	0.99	0.004	0.04	<0.1	0.03	1.3	0.1	<0.05	4	0.7	<0.2
1383481	Soil Pulp	25	0.39	133	0.003	1	1.44	0.010	0.07	<0.1	0.04	5.2	0.4	0.07	4	1.1	<0.2
1383482	Soil Pulp	15	0.11	83	0.002	<1	1.05	0.004	0.05	<0.1	0.04	1.9	0.2	<0.05	5	0.6	<0.2
1383483	Soil Pulp	21	0.15	93	0.003	<1	1.20	0.008	0.06	<0.1	0.04	1.7	0.1	0.06	5	0.6	<0.2
1383484	Soil Pulp	14	0.08	118	0.002	<1	1.04	0.007	0.05	<0.1	0.02	1.1	0.1	<0.05	4	<0.5	<0.2
1383485	Soil Pulp	14	0.05	103	0.002	<1	1.01	0.006	0.05	<0.1	0.02	1.6	0.1	<0.05	4	<0.5	<0.2
1383486	Soil Pulp	20	0.18	57	0.007	<1	1.02	0.004	0.04	0.1	0.03	1.5	0.1	<0.05	4	0.5	<0.2
1383487	Soil Pulp	16	0.17	86	0.003	1	1.04	0.005	0.05	0.1	0.03	1.7	0.1	<0.05	4	<0.5	<0.2
1383488	Soil Pulp	15	0.14	108	0.002	<1	1.22	0.008	0.05	<0.1	0.02	2.6	0.2	<0.05	4	0.7	<0.2
1383489	Soil Pulp	19	0.24	127	0.002	<1	1.33	0.010	0.07	<0.1	0.02	3.3	0.3	0.06	4	0.8	<0.2
1383490	Soil Pulp	18	0.22	75	0.013	<1	1.01	0.004	0.05	0.2	0.02	1.5	0.1	<0.05	4	0.6	<0.2
1383491	Soil Pulp	17	0.12	81	0.004	<1	0.95	0.005	0.04	<0.1	0.02	1.8	0.2	<0.05	5	0.7	<0.2
1383492	Soil Pulp	20	0.14	106	0.007	<1	1.05	0.004	0.05	0.1	0.03	2.0	0.2	<0.05	6	0.8	<0.2
1383493	Soil Pulp	20	0.19	98	0.003	1	1.29	0.005	0.05	<0.1	0.04	2.4	0.2	<0.05	4	0.8	<0.2
1383494	Soil Pulp	13	0.07	79	0.002	<1	0.94	0.006	0.05	<0.1	0.03	1.4	0.1	<0.05	4	<0.5	<0.2
1383495	Soil Pulp	13	0.05	129	0.003	<1	0.90	0.005	0.05	<0.1	0.03	1.6	0.1	<0.05	4	0.5	<0.2
1383496	Soil Pulp	17	0.15	61	0.002	<1	1.07	0.004	0.04	<0.1	0.02	1.7	0.2	<0.05	5	0.9	<0.2
1383497	Soil Pulp	11	0.05	69	0.004	<1	0.79	0.005	0.03	0.1	0.01	1.4	0.1	<0.05	5	<0.5	<0.2
1383498	Soil Pulp	19	0.16	63	0.005	<1	0.99	0.004	0.05	0.2	0.04	1.4	0.2	<0.05	5	0.8	<0.2
1383499	Soil Pulp	19	0.18	62	0.006	<1	1.08	0.005	0.04	0.1	0.04	2.0	0.2	<0.05	5	0.8	<0.2
1383500	Soil Pulp	18	0.17	74	0.006	<1	0.89	0.006	0.06	0.1	0.04	0.9	0.2	0.08	4	0.7	<0.2
1384501	Soil Pulp	12	0.05	52	0.004	<1	0.65	0.003	0.04	0.1	0.03	0.4	0.1	<0.05	5	0.5	<0.2
1384502	Soil Pulp	20	0.14	136	0.005	<1	1.03	0.005	0.05	0.1	0.05	0.6	0.2	0.05	4	0.8	<0.2
1384503	Soil Pulp	11	0.05	98	0.004	<1	0.63	0.003	0.04	0.1	0.02	0.8	0.2	<0.05	5	0.6	<0.2
1384504	Soil Pulp	23	0.16	156	0.003	<1	1.26	0.003	0.05	0.1	0.11	2.1	0.3	0.06	5	1.7	<0.2
1384505	Soil Pulp	21	0.09	187	0.006	3	0.82	0.008	0.02	0.1	0.03	0.8	<0.1	<0.05	4	<0.5	<0.2
1384506	Soil Pulp	40	0.32	232	0.005	2	1.29	0.005	0.05	0.1	0.04	2.0	<0.1	0.06	4	1.4	<0.2
1384507	Soil Pulp	16	0.16	411	0.008	3	1.02	0.003	0.07	0.1	0.30	2.2	0.3	0.11	3	3.8	<0.2
1384508	Soil Pulp	40	0.18	132	0.007	2	1.10	0.003	0.04	0.2	0.02	1.6	<0.1	0.06	5	<0.5	<0.2
1384509	Soil Pulp	49	0.10	123	0.020	1	0.95	0.003	0.05	0.1	0.03	1.0	<0.1	0.08	10	<0.5	<0.2

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Project: CCJV  
 Report Date: September 28, 2011

Page: 8 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11004465.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm		
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
1384510	Soil Pulp			3.2	47.3	17.7	89	0.1	18.8	6.8	721	3.80	35.4	8.3	0.2	16	0.3	4.3	0.3	65	0.03	0.090	6
1384511	Soil Pulp			3.5	57.3	20.1	117	0.1	16.1	7.6	663	5.08	21.7	2.7	1.7	8	0.3	2.5	0.3	68	0.01	0.076	5
1384667	Soil Pulp			2.5	42.7	15.1	88	0.5	23.0	5.0	145	2.94	16.7	2.8	2.1	26	0.3	2.0	0.3	49	0.05	0.071	9
1384668	Soil Pulp			3.0	24.7	13.2	67	0.8	14.6	3.4	133	2.54	13.2	<0.5	1.2	15	0.2	1.9	0.3	58	0.02	0.046	11
1384669	Soil Pulp			7.9	13.1	45.1	9	7.0	2.4	0.3	12	1.06	35.9	6.7	0.6	60	<0.1	3.5	0.4	76	0.01	0.044	3
1384670	Soil Pulp			17.3	4.1	30.8	1	1.8	0.7	<0.1	2	2.05	6.5	<0.5	0.7	71	<0.1	3.7	0.3	82	<0.01	0.045	2
1384671	Soil Pulp			2.8	5.1	8.4	11	0.5	2.3	0.4	12	0.36	5.0	<0.5	0.2	8	<0.1	2.1	0.2	38	<0.01	0.013	3
1384672	Soil Pulp			3.5	20.7	16.5	70	1.2	15.3	3.8	179	4.92	25.9	2.8	2.4	16	0.1	2.7	0.4	81	0.03	0.107	8
1384673	Soil Pulp			2.2	14.4	12.0	52	0.5	10.5	2.5	95	2.90	9.1	<0.5	2.6	12	0.3	1.3	0.3	68	0.02	0.053	11
1384674	Soil Pulp			3.6	28.3	15.7	80	0.5	15.5	3.8	189	4.18	21.3	2.9	1.3	23	0.3	3.0	0.3	74	0.02	0.101	9
1384675	Soil Pulp			3.1	75.9	14.4	135	0.6	35.9	7.2	255	2.16	20.7	1.3	0.3	20	0.6	4.6	0.2	33	0.03	0.090	14
1384676	Soil Pulp			3.4	66.2	16.8	131	0.4	36.8	11.9	722	3.72	20.7	7.5	0.6	24	0.4	2.4	0.3	43	0.06	0.146	11
1384677	Soil Pulp			14.1	119.0	21.3	251	3.2	65.4	6.0	187	4.10	43.5	14.5	3.5	57	0.9	6.5	0.2	154	0.04	0.190	13
1384678	Soil Pulp			29.0	45.8	40.1	144	11.2	27.2	2.6	73	4.20	110.6	10.1	2.0	166	0.4	17.5	0.3	307	0.05	0.684	9
1384679	Soil Pulp			11.9	22.5	26.2	96	4.0	18.2	1.6	49	2.04	22.0	1.8	0.7	66	1.2	5.7	0.3	147	0.04	0.228	9
1384680	Soil Pulp			10.3	49.2	17.7	150	1.5	29.0	3.8	112	3.68	42.4	8.3	3.6	123	0.4	6.0	0.2	130	0.10	0.433	13
1384681	Soil Pulp			24.8	69.6	20.6	340	2.1	58.6	5.4	138	3.93	46.9	8.8	3.6	102	1.2	9.4	0.3	208	0.04	0.215	12
1384682	Soil Pulp			7.7	46.8	17.0	146	0.6	23.8	3.8	66	2.31	14.5	1.5	1.8	30	0.3	3.4	0.3	76	<0.01	0.052	20
1384683	Soil Pulp			14.8	50.5	30.4	229	1.3	41.5	4.9	202	4.79	36.7	2.8	3.2	61	1.2	5.5	0.4	155	0.04	0.541	11
1384684	Soil Pulp			7.5	24.4	26.1	78	1.6	12.4	1.5	44	2.10	19.3	<0.5	0.7	47	0.5	8.2	0.3	89	0.01	0.116	12
1384685	Soil Pulp			5.1	24.1	14.1	97	0.6	17.1	3.1	71	1.86	14.5	<0.5	0.3	26	0.4	2.4	0.3	71	0.03	0.065	12
1384686	Soil Pulp			4.8	25.1	21.1	91	4.6	15.4	3.0	101	3.13	26.2	3.0	2.6	86	0.6	3.1	0.3	95	0.05	0.149	11
1384687	Soil Pulp			5.6	32.6	17.9	89	2.1	18.8	4.0	149	3.25	26.1	3.1	3.1	33	0.3	3.5	0.3	107	0.03	0.100	12
1384688	Soil Pulp			4.2	22.7	20.5	100	2.2	15.7	5.0	257	3.35	23.1	2.4	3.0	24	1.0	2.7	0.3	97	0.04	0.134	12
1384689	Soil Pulp			4.8	45.4	16.2	141	0.6	29.9	5.8	163	3.24	29.6	4.5	1.5	28	0.3	4.3	0.3	73	0.03	0.124	13
1384690	Soil Pulp			4.7	35.0	16.6	121	0.7	25.3	5.4	171	3.56	32.3	3.3	3.4	28	0.3	3.4	0.2	82	0.04	0.149	12
1384691	Soil Pulp			6.9	77.9	11.9	217	0.8	38.0	5.3	124	4.26	52.9	8.3	2.1	140	0.8	4.6	0.3	214	0.07	0.293	9
1384692	Soil Pulp			5.5	54.6	17.1	219	1.7	43.4	9.7	398	2.50	25.0	13.1	1.3	70	1.8	3.4	0.3	61	0.45	0.169	12
1384693	Soil Pulp			8.1	46.5	23.9	141	0.9	31.4	11.2	604	3.54	38.7	10.9	1.2	50	0.6	3.9	0.4	98	0.11	0.131	12
1384694	Soil Pulp			4.3	32.1	18.9	83	0.4	16.1	3.6	111	2.19	27.7	7.1	1.2	24	0.2	3.3	0.3	60	0.03	0.093	11

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Page: 8 of 11 Part 2

CERTIFICATE OF ANALYSIS

VAN11004465.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1384510	Soil Pulp			32	0.12	149	0.008	2	0.89	0.005	0.05	0.2	0.05	0.6	<0.1	0.11	5	<0.5	<0.2
1384511	Soil Pulp			42	0.12	113	0.009	<1	1.00	0.005	0.04	0.2	0.04	1.4	<0.1	0.05	7	0.9	<0.2
1384667	Soil Pulp			13	0.13	506	0.011	<1	0.65	0.002	0.04	0.1	0.03	1.6	<0.1	0.06	4	1.3	<0.2
1384668	Soil Pulp			14	0.07	153	0.011	<1	0.77	0.002	0.04	0.2	0.02	0.9	0.1	0.06	5	0.7	<0.2
1384669	Soil Pulp			21	<0.01	258	0.001	2	0.40	0.002	0.06	0.1	4.90	0.7	0.8	0.13	3	2.1	<0.2
1384670	Soil Pulp			27	<0.01	307	0.003	<1	0.14	0.011	0.32	0.2	0.27	0.8	1.4	0.82	7	3.2	<0.2
1384671	Soil Pulp			5	<0.01	128	0.002	<1	0.18	0.001	0.03	<0.1	0.07	0.2	0.1	<0.05	3	<0.5	<0.2
1384672	Soil Pulp			26	0.12	130	0.025	<1	1.01	0.002	0.06	0.3	0.08	1.3	0.1	<0.05	8	2.0	<0.2
1384673	Soil Pulp			16	0.06	121	0.012	1	0.97	0.001	0.04	0.2	0.04	1.1	0.1	0.05	6	<0.5	<0.2
1384674	Soil Pulp			25	0.13	170	0.013	1	1.09	0.002	0.06	0.2	0.05	1.2	0.2	0.08	6	1.5	<0.2
1384675	Soil Pulp			11	0.03	889	0.003	2	0.45	0.004	0.05	<0.1	0.06	0.5	0.1	0.09	3	1.2	<0.2
1384676	Soil Pulp			23	0.22	247	0.011	<1	1.14	0.003	0.05	0.2	0.07	1.3	0.1	0.08	4	1.1	<0.2
1384677	Soil Pulp			31	0.22	708	0.004	<1	1.93	0.002	0.09	0.2	0.59	2.8	0.4	0.08	4	4.2	<0.2
1384678	Soil Pulp			60	0.14	842	0.013	<1	1.18	0.003	0.10	0.4	0.70	2.0	0.7	0.16	10	24.2	0.3
1384679	Soil Pulp			21	0.06	492	0.016	<1	0.79	0.002	0.07	0.2	0.17	0.8	0.3	0.07	5	4.4	<0.2
1384680	Soil Pulp			23	0.19	411	0.007	<1	0.98	0.002	0.08	0.2	0.10	1.4	0.2	0.08	4	2.7	<0.2
1384681	Soil Pulp			31	0.29	526	0.005	1	1.55	0.003	0.09	0.2	0.14	2.1	0.4	0.06	4	7.0	<0.2
1384682	Soil Pulp			10	0.05	269	0.008	<1	0.66	0.001	0.06	0.1	0.02	1.0	0.2	<0.05	5	2.4	<0.2
1384683	Soil Pulp			29	0.22	1070	0.008	<1	1.56	0.002	0.10	0.2	0.09	1.9	0.3	0.10	6	3.1	<0.2
1384684	Soil Pulp			13	0.10	255	0.007	<1	0.55	0.003	0.06	0.1	0.02	0.8	0.5	0.10	5	3.2	<0.2
1384685	Soil Pulp			12	0.06	154	0.009	<1	0.61	0.002	0.04	0.2	0.02	0.5	0.2	<0.05	5	1.5	<0.2
1384686	Soil Pulp			22	0.15	302	0.014	<1	1.27	0.003	0.06	0.2	0.09	1.6	0.4	0.05	6	2.0	<0.2
1384687	Soil Pulp			24	0.16	250	0.011	<1	1.33	0.003	0.06	0.3	0.12	1.8	0.2	<0.05	6	1.9	<0.2
1384688	Soil Pulp			24	0.23	268	0.014	<1	1.44	0.005	0.08	0.2	0.08	1.9	0.2	<0.05	7	1.1	<0.2
1384689	Soil Pulp			21	0.28	196	0.014	1	1.05	0.003	0.08	0.3	0.05	1.7	0.2	<0.05	4	1.6	<0.2
1384690	Soil Pulp			24	0.32	261	0.012	2	1.24	0.003	0.09	0.3	0.03	2.0	0.2	<0.05	5	1.1	<0.2
1384691	Soil Pulp			27	0.22	383	0.008	1	0.92	0.003	0.07	0.2	0.06	2.2	0.3	0.07	3	2.1	<0.2
1384692	Soil Pulp			23	0.38	757	0.005	2	1.35	0.006	0.12	0.3	0.49	1.9	0.3	0.06	4	2.9	<0.2
1384693	Soil Pulp			27	0.35	951	0.006	3	1.49	0.004	0.12	0.4	0.28	1.6	0.3	0.06	6	2.2	<0.2
1384694	Soil Pulp			14	0.13	173	0.010	<1	0.67	0.003	0.05	0.2	0.06	0.9	0.2	0.05	5	1.6	<0.2

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Page: 9 of 11 Part 1

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**VAN11004465.1**

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1384695	Soil Pulp	3.9	34.5	15.8	114	0.6	22.4	4.7	153	3.78	29.1	6.8	3.5	28	0.3	3.4	0.2	75	0.08	0.230	12
1384696	Soil Pulp	4.2	27.6	17.3	85	0.4	16.9	3.5	109	3.28	24.7	4.3	2.3	22	0.2	2.9	0.4	60	0.05	0.449	11
1384697	Soil Pulp	3.6	19.5	16.3	59	0.3	11.5	2.9	99	2.01	21.4	3.6	2.7	17	0.1	2.5	0.3	64	0.03	0.053	12
1384698	Soil Pulp	5.9	32.4	20.9	98	0.8	22.8	5.6	207	4.60	28.8	4.5	2.4	17	0.2	3.2	0.4	94	0.03	0.121	9
1384699	Soil Pulp	4.6	39.7	13.0	92	0.3	17.8	4.0	90	1.84	20.5	4.8	2.1	23	0.2	3.0	0.3	45	0.02	0.051	12
1384700	Soil Pulp	5.2	68.3	15.7	136	1.6	31.1	6.5	158	4.16	39.3	10.8	3.1	24	0.4	4.6	0.3	63	0.03	0.124	11
1384701	Soil Pulp	5.3	34.2	22.3	84	0.6	17.5	3.7	122	3.06	36.8	5.9	2.4	36	0.2	4.3	0.4	60	0.03	0.311	11
1384702	Soil Pulp	3.6	49.6	13.8	117	0.7	24.7	5.4	174	3.60	25.1	10.2	4.0	22	0.4	3.4	0.2	51	0.06	0.179	16
1384703	Soil Pulp	4.0	19.9	18.4	57	0.3	12.3	3.2	147	2.38	23.4	2.6	1.9	19	0.1	2.5	0.4	94	0.02	0.094	11
1384704	Soil Pulp	4.9	50.7	13.9	97	1.0	23.2	5.2	194	2.97	25.3	15.1	3.2	21	0.3	4.2	0.2	36	0.02	0.082	14
1384806	Soil Pulp	11.3	92.4	18.3	320	1.1	101.1	26.5	1600	4.25	120.9	18.9	1.3	95	1.2	25.6	0.3	46	0.04	0.211	16
1384807	Soil Pulp	6.0	86.7	14.5	154	0.8	46.1	6.4	148	2.79	121.5	23.5	0.2	144	0.3	30.7	0.3	51	0.02	0.127	20
1384808	Soil Pulp	6.2	117.0	16.6	387	1.2	147.0	33.0	1470	3.37	97.3	44.3	2.2	129	1.0	34.8	0.3	59	0.02	0.125	26
1384809	Soil Pulp	3.1	88.7	10.6	501	0.4	154.3	29.0	979	3.56	58.9	8.6	0.2	30	0.4	32.1	0.2	35	0.01	0.099	19
1384810	Soil Pulp	3.3	49.0	10.9	176	0.3	63.3	10.9	325	2.46	50.7	13.7	0.4	36	0.5	20.8	0.2	35	0.03	0.060	17
1384811	Soil Pulp	11.2	102.0	21.5	201	1.5	56.8	12.0	483	3.79	251.1	34.8	1.3	602	0.6	51.3	0.3	60	0.07	0.253	18
1384812	Soil Pulp	4.7	73.1	22.9	107	0.6	24.4	7.9	767	3.46	154.8	11.1	0.5	82	0.3	7.3	0.3	45	0.03	0.130	10
1384813	Soil Pulp	6.1	35.3	13.1	129	0.3	27.8	5.5	169	2.08	30.7	2.5	0.1	15	0.2	3.9	0.3	57	0.01	0.073	15
1384814	Soil Pulp	2.2	32.5	9.7	78	0.4	20.1	5.3	364	1.44	26.9	6.3	<0.1	23	<0.1	5.0	0.1	21	0.02	0.079	6
1384815	Soil Pulp	3.5	57.1	28.4	136	0.2	35.0	23.6	2441	3.09	118.1	17.7	0.3	27	0.1	7.5	0.3	39	0.02	0.088	10
1384816	Soil Pulp	4.9	56.9	18.3	159	0.2	43.1	10.9	950	3.77	118.1	6.3	0.2	30	0.2	8.8	0.4	47	0.02	0.106	8
1384817	Soil Pulp	2.6	61.2	14.7	120	0.4	34.4	7.4	345	3.16	26.8	4.5	0.1	22	0.2	6.3	0.3	35	0.02	0.112	9
1384818	Soil Pulp	11.1	55.2	20.7	147	0.9	34.5	7.9	324	4.29	63.1	22.2	0.8	81	0.3	7.9	0.3	83	0.02	0.111	14
1384819	Soil Pulp	9.4	85.8	18.0	197	0.8	57.5	12.3	639	4.79	55.5	8.6	0.6	84	0.4	4.4	0.3	54	0.03	0.173	9
1384820	Soil Pulp	2.8	74.3	18.6	198	0.3	52.7	16.5	793	3.60	152.2	18.0	0.7	45	0.4	4.6	0.3	25	0.02	0.097	5
1384821	Soil Pulp	3.4	81.2	20.6	270	0.7	88.9	24.0	1267	4.32	146.0	36.6	1.8	35	0.9	6.4	0.3	25	0.02	0.100	7
1384822	Soil Pulp	12.0	25.0	28.8	121	0.6	18.9	3.5	417	2.54	92.1	4.9	0.2	52	0.2	9.4	0.5	72	0.02	0.091	11
1384823	Soil Pulp	2.2	27.4	10.9	88	0.3	27.1	10.6	2524	1.57	31.1	1.5	<0.1	16	0.3	9.0	0.2	31	0.05	0.073	9
1384824	Soil Pulp	5.7	39.0	13.6	130	0.6	36.8	5.9	242	2.41	54.0	9.1	0.2	59	0.3	9.2	0.3	57	0.04	0.133	12
1384825	Soil Pulp	3.0	18.6	7.3	55	<0.1	16.9	2.7	82	1.28	33.4	3.3	<0.1	21	0.1	4.6	0.2	37	0.01	0.048	8

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Page: 9 of 11 Part 2

CERTIFICATE OF ANALYSIS

VAN11004465.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1384695	Soil Pulp	20	0.29	180	0.009	<1	1.11	0.002	0.06	0.3	0.07	1.6	0.2	<0.05	4	1.6	<0.2
1384696	Soil Pulp	19	0.12	212	0.014	<1	0.98	0.002	0.05	0.3	0.04	1.1	0.2	<0.05	5	0.9	<0.2
1384697	Soil Pulp	11	0.09	146	0.026	1	0.61	0.002	0.04	0.2	0.03	0.9	0.2	<0.05	6	0.6	<0.2
1384698	Soil Pulp	26	0.23	268	0.013	<1	1.41	0.003	0.07	0.2	0.05	1.8	0.2	<0.05	7	0.6	<0.2
1384699	Soil Pulp	9	0.08	236	0.005	<1	0.57	0.002	0.05	0.1	0.03	1.0	0.1	<0.05	4	1.0	<0.2
1384700	Soil Pulp	23	0.27	238	0.006	1	1.48	0.002	0.07	0.3	0.11	1.9	0.2	<0.05	4	0.9	<0.2
1384701	Soil Pulp	14	0.07	254	0.011	1	0.65	0.002	0.07	0.1	0.05	1.0	0.2	0.05	5	1.4	<0.2
1384702	Soil Pulp	20	0.31	209	0.005	1	1.21	0.002	0.08	0.2	0.04	1.6	0.1	<0.05	4	0.8	<0.2
1384703	Soil Pulp	14	0.11	130	0.024	<1	0.88	0.003	0.05	0.3	0.02	1.0	0.2	<0.05	8	0.5	<0.2
1384704	Soil Pulp	17	0.28	217	0.003	1	1.24	0.002	0.07	<0.1	0.13	1.3	0.1	0.06	3	1.6	<0.2
1384806	Soil Pulp	19	0.05	618	0.003	2	0.79	0.006	0.11	0.3	0.16	2.7	0.6	0.24	2	4.3	<0.2
1384807	Soil Pulp	11	0.02	521	0.003	2	0.61	0.005	0.09	0.2	0.12	0.2	0.6	0.16	3	2.6	0.2
1384808	Soil Pulp	15	0.06	726	0.002	1	1.14	0.004	0.07	0.4	0.10	3.2	0.7	0.10	2	2.0	0.3
1384809	Soil Pulp	16	0.03	389	0.002	2	0.59	0.003	0.04	0.2	0.09	0.5	0.3	0.06	2	1.8	<0.2
1384810	Soil Pulp	17	0.11	257	0.008	<1	0.65	0.002	0.04	0.2	0.07	0.8	0.2	<0.05	3	1.1	<0.2
1384811	Soil Pulp	26	0.08	842	0.004	2	1.00	0.007	0.13	0.2	0.11	3.7	0.6	0.25	3	4.5	0.2
1384812	Soil Pulp	24	0.10	312	0.009	1	0.87	0.007	0.09	0.1	0.07	1.5	0.2	0.11	3	1.3	<0.2
1384813	Soil Pulp	10	0.03	171	0.003	3	0.35	0.003	0.06	0.1	0.02	0.2	0.1	<0.05	3	0.7	<0.2
1384814	Soil Pulp	9	0.03	215	0.003	<1	0.62	0.010	0.04	<0.1	0.07	0.2	0.1	0.07	2	1.2	<0.2
1384815	Soil Pulp	17	0.06	333	0.005	2	0.80	0.004	0.06	0.1	0.04	1.0	0.2	0.05	3	0.9	<0.2
1384816	Soil Pulp	17	0.04	208	0.005	2	0.69	0.003	0.07	<0.1	0.06	0.8	0.2	0.07	3	1.0	<0.2
1384817	Soil Pulp	17	0.07	219	0.004	2	0.69	0.004	0.06	<0.1	0.05	0.3	0.1	0.08	3	<0.5	<0.2
1384818	Soil Pulp	14	0.05	483	0.004	3	0.68	0.008	0.16	0.1	0.29	1.2	0.7	0.34	2	3.5	0.2
1384819	Soil Pulp	22	0.12	548	0.006	2	1.26	0.016	0.11	0.1	0.11	1.4	0.3	0.27	3	2.7	<0.2
1384820	Soil Pulp	15	0.07	468	0.003	2	0.75	0.004	0.08	0.1	0.06	1.5	0.2	0.11	2	1.4	<0.2
1384821	Soil Pulp	21	0.14	371	0.003	3	0.90	0.002	0.06	<0.1	0.16	4.1	0.2	<0.05	2	1.6	<0.2
1384822	Soil Pulp	7	0.04	429	0.002	<1	0.50	0.005	0.09	0.1	0.08	0.2	0.4	0.14	2	3.1	<0.2
1384823	Soil Pulp	9	0.03	263	0.003	1	0.49	0.009	0.04	0.1	0.04	0.2	0.3	0.06	3	0.7	<0.2
1384824	Soil Pulp	14	0.09	490	0.006	2	0.75	0.003	0.08	0.2	0.25	0.4	0.4	0.13	3	1.3	<0.2
1384825	Soil Pulp	9	0.03	112	0.006	1	0.46	0.009	0.04	0.1	0.03	0.1	0.1	<0.05	3	0.6	<0.2

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Project: CCJV  
 Report Date: September 28, 2011

Page: 10 of 11 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11004465.1**

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1384826	Soil Pulp	4.0	28.3	10.9	53	0.7	11.4	2.3	86	1.92	157.9	10.8	0.1	78	0.1	15.8	0.2	27	0.02	0.081	7
1384827	Soil Pulp	4.8	47.7	13.8	99	1.1	23.4	4.0	186	2.78	162.3	22.4	0.4	93	0.3	13.2	0.3	36	0.03	0.088	11
1384828	Soil Pulp	2.0	19.8	5.0	49	0.3	11.1	2.4	106	1.03	39.5	5.5	<0.1	30	0.2	5.3	0.1	19	0.02	0.075	4
1384829	Soil Pulp	10.8	93.0	16.6	134	1.7	35.1	3.3	44	2.98	78.2	8.0	0.1	71	0.3	16.2	0.3	53	0.02	0.174	9
1384830	Soil Pulp	2.6	45.7	13.3	132	0.4	41.4	10.6	701	2.32	30.7	5.1	0.2	17	0.4	6.8	0.2	35	0.07	0.078	10
1384831	Soil Pulp	3.1	19.4	6.6	82	0.3	17.6	4.7	687	1.42	15.2	1.1	<0.1	13	0.3	1.9	0.1	29	0.03	0.059	4
1384832	Soil Pulp	2.5	30.2	12.5	73	0.2	28.9	11.5	814	1.42	22.2	2.4	0.3	32	0.5	5.9	0.2	27	0.51	0.112	5
1384833	Soil Pulp	6.3	96.3	19.8	228	0.3	70.0	8.3	167	3.07	148.7	9.3	0.1	112	0.5	24.5	0.5	52	0.02	0.095	12
1384834	Soil Pulp	7.3	107.9	18.9	214	0.8	75.4	11.2	225	3.84	115.9	18.3	1.1	186	0.4	23.6	0.4	40	0.05	0.165	7
1384835	Soil Pulp	1.8	15.3	8.3	45	0.2	7.8	8.0	2919	0.73	8.0	<0.5	<0.1	9	0.7	2.2	0.2	19	0.04	0.080	3
1384836	Soil Pulp	5.5	100.9	26.4	97	0.8	20.0	22.1	3425	4.66	49.6	10.9	0.4	18	0.3	4.8	0.3	40	0.05	0.150	5
1384837	Soil Pulp	4.0	51.6	25.5	151	0.3	28.4	13.7	934	3.61	26.1	2.7	0.2	19	0.7	3.7	0.4	47	0.05	0.140	7
1384838	Soil Pulp	6.9	41.3	13.7	186	1.1	54.9	10.1	745	3.17	36.8	3.9	0.3	48	0.6	6.9	0.2	59	0.11	0.254	8
1384839	Soil Pulp	5.5	76.2	38.3	197	0.4	38.7	41.9	5502	3.08	85.2	6.7	0.4	34	0.6	3.6	0.4	62	0.15	0.124	5
1384840	Soil Pulp	4.3	35.3	23.3	119	0.3	26.3	8.5	895	4.46	49.1	6.8	0.3	18	0.3	3.6	0.4	43	0.04	0.161	6
1384841	Soil Pulp	9.1	55.4	18.1	173	0.7	29.9	8.1	205	3.29	238.1	25.4	<0.1	116	0.3	8.5	0.3	31	0.05	0.173	3
1384842	Soil Pulp	2.3	153.8	36.1	250	0.9	111.9	33.7	2574	10.24	28.9	23.1	3.5	38	0.3	2.1	0.3	25	0.09	0.133	12
1384843	Soil Pulp	2.4	74.5	21.8	157	0.6	33.1	15.4	1254	3.85	70.6	8.4	0.7	27	0.7	3.8	0.3	25	0.05	0.157	2
1384844	Soil Pulp	2.1	53.4	29.3	127	0.6	27.8	10.1	517	3.58	126.9	21.8	0.7	53	0.3	6.4	0.4	17	0.01	0.114	2
1384845	Soil Pulp	4.3	44.3	18.8	110	1.2	22.3	6.4	259	3.11	115.8	18.2	0.3	82	0.3	5.7	0.3	42	0.01	0.099	3
1384846	Soil Pulp	49.3	30.9	33.8	16	2.8	2.4	0.3	11	1.59	87.2	10.9	0.2	38	0.9	40.1	0.3	266	<0.01	0.284	25
1384847	Soil Pulp	30.4	74.7	24.1	86	4.8	17.3	2.9	130	2.84	105.4	11.1	0.7	104	0.5	34.8	0.3	350	0.09	0.295	12
1384848	Soil Pulp	12.3	30.3	12.8	84	2.9	15.2	3.7	149	3.41	112.6	72.6	1.8	99	0.4	16.9	0.3	122	0.11	0.259	17
1384849	Soil Pulp	5.0	40.0	14.5	103	1.4	18.8	3.5	136	2.30	56.3	4.4	0.2	24	1.2	8.6	0.3	49	0.03	0.091	17
1384850	Soil Pulp	3.8	16.9	15.5	68	0.1	11.5	4.4	285	2.39	68.2	3.8	0.4	11	0.3	5.4	0.7	67	0.03	0.043	10
1384851	Soil Pulp	4.1	22.6	15.1	100	0.2	18.4	4.1	225	3.34	66.3	4.8	0.2	14	0.5	7.6	0.5	69	0.03	0.074	11
1384852	Soil Pulp	2.7	14.8	9.2	58	0.6	9.9	3.9	258	1.47	47.7	2.6	0.1	10	0.6	4.6	0.4	46	0.03	0.051	8
1384853	Soil Pulp	2.5	24.9	10.2	62	0.3	13.0	3.9	235	2.04	68.9	4.4	0.3	14	0.2	3.7	0.3	48	0.05	0.065	11
1384854	Soil Pulp	5.0	25.2	20.1	86	0.6	18.3	4.8	186	3.72	124.1	6.8	1.7	14	0.3	8.5	0.4	78	0.04	0.056	14
1384855	Soil Pulp	5.0	19.9	15.7	59	0.3	12.0	3.9	267	3.44	42.1	4.5	0.6	20	0.4	3.2	0.4	61	0.31	0.057	11

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Page: 10 of 11 Part 2

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1384826	Soil Pulp	12	0.03	335	0.005	1	0.53	0.007	0.07	<0.1	0.09	0.2	0.2	0.13	3	1.5	<0.2
1384827	Soil Pulp	15	0.07	268	0.004	1	0.64	0.004	0.08	0.1	0.15	0.8	0.2	0.12	3	1.8	<0.2
1384828	Soil Pulp	5	0.02	141	0.002	2	0.36	0.009	0.04	<0.1	0.06	<0.1	0.1	0.07	2	1.0	<0.2
1384829	Soil Pulp	16	0.02	649	0.002	2	0.64	0.004	0.16	0.1	0.34	0.3	0.5	0.33	2	5.1	<0.2
1384830	Soil Pulp	17	0.15	391	0.004	1	0.79	0.004	0.07	0.1	0.05	0.4	0.2	0.07	3	1.0	<0.2
1384831	Soil Pulp	9	0.06	280	0.004	1	0.57	0.009	0.04	<0.1	0.03	0.2	0.1	0.06	2	0.8	<0.2
1384832	Soil Pulp	11	0.03	742	0.005	<1	0.31	0.002	0.04	0.1	0.08	0.9	0.1	0.14	2	0.6	<0.2
1384833	Soil Pulp	12	0.02	255	0.004	2	0.44	0.004	0.08	0.2	0.05	0.4	0.4	0.10	3	2.2	<0.2
1384834	Soil Pulp	13	0.07	796	0.004	2	1.01	0.004	0.11	0.2	0.32	3.4	0.6	0.14	2	2.9	0.2
1384835	Soil Pulp	5	0.02	433	0.004	1	0.26	0.009	0.03	0.1	0.05	0.2	0.3	<0.05	2	<0.5	<0.2
1384836	Soil Pulp	24	0.09	544	0.007	2	1.06	0.004	0.08	0.2	0.17	0.9	0.2	0.08	4	1.8	<0.2
1384837	Soil Pulp	23	0.15	577	0.006	2	1.12	0.003	0.06	0.1	0.05	0.4	0.2	0.07	4	1.6	<0.2
1384838	Soil Pulp	12	0.05	593	0.002	2	0.47	0.007	0.07	0.1	0.35	0.6	0.4	0.10	1	4.2	<0.2
1384839	Soil Pulp	17	0.11	679	0.006	2	0.88	0.003	0.06	0.1	0.09	1.7	0.4	0.07	3	1.5	<0.2
1384840	Soil Pulp	32	0.12	233	0.005	2	1.03	0.002	0.06	<0.1	0.09	0.5	0.2	0.08	3	1.8	<0.2
1384841	Soil Pulp	11	0.04	626	0.002	2	0.45	0.007	0.08	<0.1	0.08	0.3	0.2	0.12	2	2.7	<0.2
1384842	Soil Pulp	19	0.15	1129	0.003	3	1.00	0.005	0.08	<0.1	0.37	9.4	0.2	<0.05	2	2.3	<0.2
1384843	Soil Pulp	23	0.15	253	0.005	2	1.04	0.003	0.10	<0.1	0.11	1.9	0.1	0.10	3	1.8	<0.2
1384844	Soil Pulp	13	0.07	268	0.003	3	0.66	0.005	0.09	<0.1	0.15	1.4	0.2	0.14	2	2.6	<0.2
1384845	Soil Pulp	12	0.05	445	0.003	2	0.64	0.005	0.08	<0.1	0.22	0.7	0.3	0.11	2	2.9	<0.2
1384846	Soil Pulp	26	0.03	506	0.004	2	0.42	0.002	0.18	2.2	2.43	0.5	3.0	0.32	5	>100	0.8
1384847	Soil Pulp	55	0.14	906	0.023	1	1.72	0.005	0.15	1.0	2.22	1.8	1.1	0.24	6	30.3	0.3
1384848	Soil Pulp	41	0.21	402	0.036	1	1.32	0.003	0.08	1.1	0.52	2.2	0.4	<0.05	8	8.0	0.3
1384849	Soil Pulp	16	0.15	242	0.018	1	1.46	0.005	0.08	0.9	0.13	0.7	0.2	<0.05	5	2.8	<0.2
1384850	Soil Pulp	15	0.17	125	0.049	1	1.08	0.003	0.08	4.3	0.05	1.1	0.2	<0.05	9	1.5	<0.2
1384851	Soil Pulp	24	0.19	220	0.027	1	1.34	0.004	0.07	0.8	0.07	0.7	0.2	<0.05	9	1.8	<0.2
1384852	Soil Pulp	11	0.09	105	0.018	<1	0.76	0.009	0.05	1.1	0.06	0.5	0.1	<0.05	4	1.1	<0.2
1384853	Soil Pulp	21	0.24	147	0.023	1	1.29	0.009	0.07	1.0	0.05	0.8	0.2	<0.05	5	1.5	<0.2
1384854	Soil Pulp	27	0.25	275	0.055	1	1.42	0.003	0.08	1.2	0.05	1.5	0.2	<0.05	8	3.3	<0.2
1384855	Soil Pulp	15	0.13	238	0.041	1	1.19	0.006	0.05	0.5	0.02	1.1	0.2	<0.05	9	2.6	<0.2

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Project: CCJV  
 Report Date: September 28, 2011

Page: 11 of 11 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11004465.1**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1384857	Soil Pulp	7.1	29.9	17.5	94	0.4	19.1	4.7	177	3.31	200.4	6.5	0.2	17	0.2	9.5	0.7	84	0.04	0.075	14
1384858	Soil Pulp	53.8	61.4	60.8	34	4.6	7.3	1.3	55	3.01	220.2	1.8	0.4	38	0.2	47.6	0.4	102	0.02	0.161	14
1384859	Soil Pulp	17.1	53.6	33.0	83	1.9	13.7	1.9	101	3.92	213.6	7.4	0.4	42	0.2	20.9	0.4	139	0.04	0.196	17
1384860	Soil Pulp	9.0	87.3	29.7	129	1.2	21.2	5.0	263	5.27	305.9	13.3	4.0	40	0.2	20.0	0.4	119	0.07	0.153	15
1384861	Soil Pulp	14.6	83.1	35.2	165	2.4	17.1	3.8	188	5.25	269.2	9.5	2.1	35	0.2	25.1	0.4	95	0.04	0.150	18
1384862	Soil Pulp	6.9	20.1	8.2	46	1.0	6.2	1.1	35	1.50	75.9	1.8	<0.1	11	0.2	5.4	0.2	66	0.03	0.071	7
1384863	Soil Pulp	17.5	20.5	37.2	53	1.7	10.5	1.1	62	2.04	120.9	2.2	3.8	46	<0.1	18.6	0.3	47	0.06	0.081	15
1384864	Soil Pulp	91.3	84.9	36.2	35	8.3	9.0	0.8	38	4.50	168.1	5.0	0.8	49	1.3	75.6	0.6	256	0.11	0.631	23
1384865	Soil Pulp	17.1	22.8	17.2	105	0.9	20.1	1.6	39	1.89	79.9	5.0	0.3	20	0.4	15.1	0.3	155	0.02	0.084	15
1384866	Soil Pulp	10.4	38.5	13.9	155	0.9	29.2	4.5	179	2.37	73.3	7.4	0.5	28	0.9	17.5	0.3	92	0.07	0.137	15
1383181	Soil Pulp	87.0	286.6	19.9	107	15.4	29.7	1.4	55	3.45	133.0	6.1	3.4	316	1.7	41.9	0.4	670	0.20	0.924	23

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**Page:** 11 of 11 Part 2

**CERTIFICATE OF ANALYSIS**

**VAN11004465.1**

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1384857	Soil Pulp	24	0.17	125	0.016	1	1.09	0.004	0.06	0.6	0.06	0.6	0.3	<0.05	6	3.7	<0.2
1384858	Soil Pulp	18	0.06	547	0.006	1	0.64	0.010	0.19	1.5	0.81	0.7	1.1	0.35	3	25.0	0.3
1384859	Soil Pulp	36	0.18	285	0.028	2	0.98	0.003	0.17	0.4	0.19	1.3	0.5	0.24	4	8.1	0.2
1384860	Soil Pulp	37	0.49	274	0.076	2	1.55	0.014	0.24	0.4	0.07	4.4	0.7	0.14	6	6.8	<0.2
1384861	Soil Pulp	28	0.26	297	0.031	1	0.97	0.008	0.17	0.6	0.14	2.8	0.6	0.18	4	11.7	<0.2
1384862	Soil Pulp	9	0.02	80	0.015	<1	0.27	0.006	0.04	0.3	0.05	0.5	<0.1	0.06	2	2.7	<0.2
1384863	Soil Pulp	18	0.08	357	0.014	<1	0.40	0.004	0.18	0.3	0.10	1.4	0.5	0.35	3	13.4	<0.2
1384864	Soil Pulp	64	0.06	61	0.006	2	0.85	0.012	0.42	2.7	1.32	1.8	3.3	1.06	7	71.0	0.8
1384865	Soil Pulp	27	0.06	224	0.006	1	0.74	0.006	0.08	0.4	0.14	0.5	0.5	0.12	4	8.6	0.3
1384866	Soil Pulp	31	0.23	431	0.007	1	1.17	0.006	0.09	0.3	0.21	0.8	0.4	0.06	4	5.8	<0.2
1383181	Soil Pulp	146	0.11	886	0.015	4	1.86	0.004	0.20	1.3	1.06	3.7	3.6	0.30	6	63.4	0.4

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 Report Date: September 28, 2011

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

VAN11004465.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																				
1374170 Soil Pulp	5.2	14.8	15.6	67	0.6	13.7	2.8	65	1.97	40.5	3.0	0.6	13	0.1	3.4	0.2	70	0.02	0.063	9
REP 1374170 QC	4.9	13.6	15.1	60	0.6	12.9	2.5	63	1.78	37.9	1.3	0.7	13	0.2	3.1	0.2	68	0.02	0.060	9
1374188 Soil Pulp	12.3	7.6	12.6	7	3.2	1.6	0.2	6	0.47	4.5	5.6	<0.1	10	<0.1	6.8	0.1	55	<0.01	0.055	8
REP 1374188 QC	12.6	7.6	12.6	7	3.3	1.6	0.2	6	0.47	4.2	3.2	<0.1	10	<0.1	7.0	0.2	52	<0.01	0.057	8
1382005 Soil Pulp	22.3	37.5	8.3	534	0.4	103.7	7.0	101	2.54	24.4	2.2	2.1	20	1.6	7.2	0.1	141	0.20	0.042	12
REP 1382005 QC	21.9	36.9	8.0	515	0.4	99.4	6.8	97	2.31	23.3	1.4	2.0	19	1.6	7.1	0.1	124	0.18	0.039	12
1382021 Soil Pulp	19.2	25.5	17.0	226	0.3	44.3	5.5	54	2.20	15.5	1.7	2.3	9	0.6	4.4	0.1	67	0.08	0.026	17
REP 1382021 QC	18.4	25.1	16.5	214	0.3	45.9	5.7	53	2.20	14.6	2.2	2.7	9	0.6	4.3	0.1	72	0.07	0.029	20
1382646 Soil Pulp	25.9	34.6	23.1	159	1.2	21.6	2.3	46	2.41	131.5	3.3	0.9	67	0.8	37.0	0.7	189	0.06	0.195	18
REP 1382646 QC	26.2	34.6	22.4	158	1.1	21.3	2.3	47	2.35	133.8	3.8	0.8	67	0.7	36.1	0.7	196	0.06	0.182	18
1382677 Soil Pulp	2.6	47.3	11.5	142	0.6	31.3	5.3	89	2.41	82.2	2.4	0.1	20	0.6	16.6	0.3	53	0.02	0.075	8
REP 1382677 QC	2.7	48.2	11.6	145	0.5	31.6	5.3	88	2.47	82.6	3.0	0.1	22	0.6	16.6	0.3	54	0.02	0.079	8
1382683 Soil Pulp	3.7	96.2	33.7	136	0.2	22.9	18.9	957	4.42	28.3	7.0	1.6	12	0.1	3.6	0.4	53	0.03	0.084	4
REP 1382683 QC	3.7	88.1	29.1	127	0.2	21.0	17.3	862	4.02	26.4	6.3	1.4	11	<0.1	3.2	0.3	48	0.03	0.078	3
1383165 Soil Pulp	8.5	47.0	15.1	224	0.7	42.4	8.6	323	2.50	121.7	16.0	1.6	61	4.2	11.4	0.4	90	0.49	0.140	18
REP 1383165 QC	8.1	47.5	15.5	226	0.8	40.9	8.5	317	2.50	123.1	14.8	1.8	62	4.5	11.0	0.4	84	0.51	0.135	18
1383189 Soil Pulp	2.7	39.3	34.1	46	1.5	10.6	1.2	27	2.39	112.8	17.2	1.3	37	0.1	14.5	0.2	29	0.01	0.090	19
REP 1383189 QC	2.7	37.9	35.7	45	1.5	10.4	1.2	27	2.32	111.2	16.6	1.3	39	0.1	14.1	0.2	28	0.01	0.091	20
1384503 Soil Pulp	4.1	16.9	12.3	61	<0.1	13.9	4.4	86	2.23	24.1	1.5	0.4	12	<0.1	2.6	0.2	49	0.01	0.065	8
REP 1384503 QC	4.0	17.0	12.3	62	<0.1	14.0	4.6	87	2.28	24.9	1.8	0.4	13	<0.1	2.5	0.2	50	0.01	0.065	8
1384507 Soil Pulp	5.9	77.8	16.1	188	0.8	44.5	18.0	655	3.98	228.2	51.4	1.7	64	0.3	26.1	0.3	37	0.02	0.105	13
REP 1384507 QC	5.3	75.7	16.1	183	0.8	45.2	18.3	640	3.99	224.6	48.4	1.7	65	0.3	26.8	0.2	37	0.02	0.107	13
1384695 Soil Pulp	3.9	34.5	15.8	114	0.6	22.4	4.7	153	3.78	29.1	6.8	3.5	28	0.3	3.4	0.2	75	0.08	0.230	12
REP 1384695 QC	4.4	36.1	16.3	121	0.7	23.7	4.8	164	3.82	29.8	6.1	3.6	30	0.3	3.5	0.3	77	0.08	0.248	13
1384812 Soil Pulp	4.7	73.1	22.9	107	0.6	24.4	7.9	767	3.46	154.8	11.1	0.5	82	0.3	7.3	0.3	45	0.03	0.130	10
REP 1384812 QC	4.4	73.5	23.0	106	0.6	24.4	8.3	756	3.49	145.9	8.4	0.6	85	0.2	6.9	0.3	43	0.03	0.122	10
1384824 Soil Pulp	5.7	39.0	13.6	130	0.6	36.8	5.9	242	2.41	54.0	9.1	0.2	59	0.3	9.2	0.3	57	0.04	0.133	12
REP 1384824 QC	5.4	41.4	13.8	132	0.7	37.9	6.1	243	2.50	53.2	7.7	0.2	60	0.3	9.4	0.3	59	0.04	0.129	12

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Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

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Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
1374170	Soil Pulp	11	0.05	148	0.005	1	0.52	0.002	0.04	0.3	0.02	0.7	0.2	0.05	3	2.0	<0.2
REP 1374170	QC	11	0.05	152	0.005	1	0.51	0.002	0.05	0.3	0.03	0.7	0.2	<0.05	3	1.8	<0.2
1374188	Soil Pulp	9	0.01	252	0.003	2	0.16	0.003	0.06	0.4	0.10	0.3	0.4	0.09	1	6.1	<0.2
REP 1374188	QC	8	0.01	256	0.003	1	0.16	0.003	0.06	0.4	0.09	0.3	0.4	0.09	2	7.7	<0.2
1382005	Soil Pulp	21	0.09	952	0.002	4	0.73	0.004	0.10	0.1	0.07	1.7	0.3	<0.05	2	4.8	<0.2
REP 1382005	QC	19	0.08	930	0.002	3	0.66	0.004	0.10	0.1	0.07	1.6	0.3	<0.05	2	4.4	<0.2
1382021	Soil Pulp	8	0.04	371	0.003	3	0.28	0.004	0.07	<0.1	0.03	1.0	0.2	<0.05	1	1.7	<0.2
REP 1382021	QC	9	0.04	376	0.003	2	0.32	0.002	0.08	<0.1	0.02	1.0	0.2	<0.05	1	1.4	<0.2
1382646	Soil Pulp	27	0.07	331	0.021	<1	0.94	0.003	0.05	2.6	0.04	1.1	0.2	<0.05	7	6.8	0.2
REP 1382646	QC	30	0.08	374	0.023	<1	0.96	0.003	0.06	2.5	0.03	1.1	0.3	<0.05	7	6.1	<0.2
1382677	Soil Pulp	18	0.04	184	0.004	<1	0.66	0.004	0.05	0.2	0.04	0.5	0.1	0.06	5	0.5	<0.2
REP 1382677	QC	19	0.04	188	0.004	<1	0.70	0.005	0.06	0.2	0.04	0.5	0.1	0.06	5	0.7	<0.2
1382683	Soil Pulp	41	0.17	260	0.007	<1	1.21	0.005	0.05	0.2	0.03	2.1	<0.1	<0.05	6	1.1	<0.2
REP 1382683	QC	38	0.16	236	0.006	1	1.10	0.005	0.04	0.1	0.03	1.8	<0.1	<0.05	6	1.2	<0.2
1383165	Soil Pulp	26	0.33	738	0.024	2	1.32	0.008	0.13	1.2	0.16	1.8	0.3	<0.05	4	3.8	<0.2
REP 1383165	QC	25	0.32	743	0.020	1	1.32	0.008	0.12	1.4	0.15	1.8	0.3	<0.05	4	4.2	<0.2
1383189	Soil Pulp	22	0.05	531	0.001	3	0.49	0.002	0.07	<0.1	0.13	1.0	0.1	0.07	3	9.5	<0.2
REP 1383189	QC	22	0.05	565	0.001	3	0.49	0.002	0.07	<0.1	0.16	1.0	0.1	0.08	3	9.1	0.2
1384503	Soil Pulp	11	0.05	98	0.004	<1	0.63	0.003	0.04	0.1	0.02	0.8	0.2	<0.05	5	0.6	<0.2
REP 1384503	QC	12	0.05	99	0.004	<1	0.63	0.004	0.04	0.2	0.03	0.8	0.2	<0.05	5	0.7	<0.2
1384507	Soil Pulp	16	0.16	411	0.008	3	1.02	0.003	0.07	0.1	0.30	2.2	0.3	0.11	3	3.8	<0.2
REP 1384507	QC	16	0.16	406	0.003	1	1.01	0.003	0.07	0.1	0.30	2.1	0.3	0.11	3	3.0	<0.2
1384695	Soil Pulp	20	0.29	180	0.009	<1	1.11	0.002	0.06	0.3	0.07	1.6	0.2	<0.05	4	1.6	<0.2
REP 1384695	QC	20	0.30	197	0.015	<1	1.17	0.002	0.07	0.3	0.07	1.7	0.2	<0.05	5	1.6	<0.2
1384812	Soil Pulp	24	0.10	312	0.009	1	0.87	0.007	0.09	0.1	0.07	1.5	0.2	0.11	3	1.3	<0.2
REP 1384812	QC	23	0.09	315	0.007	2	0.84	0.007	0.08	0.1	0.06	1.4	0.2	0.10	3	1.4	<0.2
1384824	Soil Pulp	14	0.09	490	0.006	2	0.75	0.003	0.08	0.2	0.25	0.4	0.4	0.13	3	1.3	<0.2
REP 1384824	QC	15	0.09	506	0.005	2	0.76	0.003	0.08	0.2	0.23	0.4	0.4	0.10	3	1.7	<0.2

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 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: September 28, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11004465.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1384846	Soil Pulp	49.3	30.9	33.8	16	2.8	2.4	0.3	11	1.59	87.2	10.9	0.2	38	0.9	40.1	0.3	266	<0.01	0.284	25
REP 1384846	QC	49.8	31.6	34.4	16	2.9	2.5	0.4	11	1.64	87.7	9.6	0.2	39	1.0	41.5	0.3	260	<0.01	0.278	24
1384857	Soil Pulp	7.1	29.9	17.5	94	0.4	19.1	4.7	177	3.31	200.4	6.5	0.2	17	0.2	9.5	0.7	84	0.04	0.075	14
REP 1384857	QC	7.6	30.8	17.3	97	0.4	18.6	4.6	186	3.37	205.0	8.6	0.2	18	0.3	9.4	0.7	89	0.04	0.076	15
Reference Materials																					
STD DS8	Standard	13.2	109.6	130.9	319	1.8	39.3	7.4	620	2.50	25.4	107.2	7.0	68	2.4	6.0	7.1	42	0.70	0.081	15
STD DS8	Standard	13.7	107.3	121.1	308	1.7	37.7	7.2	609	2.45	21.5	114.2	7.2	73	2.3	5.8	6.5	42	0.71	0.074	17
STD DS8	Standard	12.3	98.6	121.1	299	1.7	35.7	6.8	570	2.30	23.1	118.3	5.9	59	2.1	5.1	5.7	39	0.63	0.076	14
STD DS8	Standard	12.9	109.0	123.6	306	1.8	39.1	7.2	609	2.44	25.0	110.2	6.6	65	2.1	5.2	6.3	42	0.67	0.079	14
STD DS8	Standard	12.7	101.2	120.8	314	1.7	35.9	7.0	613	2.45	25.0	110.2	6.6	66	2.0	4.9	5.9	38	0.67	0.073	15
STD DS8	Standard	13.9	119.7	115.4	305	1.8	40.2	8.0	649	2.63	26.8	102.8	6.3	60	2.5	5.4	6.2	45	0.72	0.082	15
STD DS8	Standard	13.4	115.2	117.2	323	1.8	39.4	7.8	635	2.67	27.1	134.8	5.9	63	2.7	4.8	6.1	43	0.73	0.084	14
STD DS8	Standard	12.3	109.3	122.7	304	1.7	37.6	7.3	595	2.40	25.3	117.5	6.4	63	2.4	5.2	6.7	40	0.64	0.080	13
STD DS8	Standard	12.2	98.1	118.1	284	1.7	33.2	6.7	576	2.33	22.8	101.8	6.6	61	2.1	5.1	6.3	38	0.62	0.073	14
STD DS8	Standard	12.3	109.9	127.7	314	1.8	37.4	7.2	603	2.37	25.5	121.4	6.7	66	2.5	6.0	7.1	38	0.69	0.081	14
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	4	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: September 28, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN11004465.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1384846	Soil Pulp	26	0.03	506	0.004	2	0.42	0.002	0.18	2.2	2.43	0.5	3.0	0.32	5	>100	0.8
REP 1384846	QC	26	0.03	489	0.003	2	0.41	0.002	0.18	2.3	2.53	0.4	3.0	0.31	5	>100	0.6
1384857	Soil Pulp	24	0.17	125	0.016	1	1.09	0.004	0.06	0.6	0.06	0.6	0.3	<0.05	6	3.7	<0.2
REP 1384857	QC	24	0.18	135	0.016	1	1.11	0.004	0.06	0.5	0.05	0.6	0.3	<0.05	7	4.2	0.2
Reference Materials																	
STD DS8	Standard	117	0.62	285	0.116	3	0.91	0.090	0.43	3.2	0.20	2.3	5.7	0.12	5	5.4	5.3
STD DS8	Standard	121	0.60	281	0.127	2	0.93	0.104	0.41	3.0	0.20	2.8	5.5	0.14	5	4.0	4.8
STD DS8	Standard	109	0.55	261	0.102	2	0.83	0.082	0.39	3.0	0.21	1.8	5.3	0.15	4	5.0	4.5
STD DS8	Standard	114	0.61	282	0.109	2	0.92	0.114	0.45	3.0	0.21	2.5	5.4	0.21	5	5.3	5.3
STD DS8	Standard	113	0.61	267	0.109	4	0.90	0.102	0.41	2.9	0.18	2.6	5.3	0.18	5	5.3	4.1
STD DS8	Standard	125	0.64	281	0.113	1	0.96	0.096	0.42	3.0	0.20	2.4	5.3	0.17	5	5.5	4.9
STD DS8	Standard	116	0.63	278	0.099	3	0.94	0.101	0.42	2.7	0.20	2.3	5.4	0.18	5	6.0	5.4
STD DS8	Standard	113	0.59	260	0.106	2	0.88	0.089	0.41	2.8	0.21	2.1	5.4	0.16	4	5.2	5.0
STD DS8	Standard	108	0.54	246	0.104	1	0.84	0.078	0.37	2.5	0.19	1.9	5.0	0.16	4	4.9	4.5
STD DS8	Standard	113	0.63	277	0.111	3	0.93	0.093	0.43	3.1	0.18	2.0	5.4	0.16	5	4.0	5.0
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Confirmation Email List  
Receiving Lab: Canada-Vancouver  
Received: September 07, 2011  
Report Date: September 28, 2011  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

VAN11004557.1

### CLIENT JOB INFORMATION

Project: CCJV  
Shipment ID:  
P.O. Number: X-11  
Number of Samples: 24

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	24	Sorting of samples on arrival and labeling			VAN
1DX2	24	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

### 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: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Report Email List



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Project: CCJV  
 Report Date: September 28, 2011

Page: 2 of 2 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11004557.1**

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1182500	Silt	4.7	82.7	16.1	405	1.1	84.8	10.8	985	2.89	33.5	18.5	1.6	85	4.3	5.0	0.3	55	0.44	0.170	14
1182518	Silt	9.2	56.6	13.9	547	0.6	88.0	12.5	1133	2.99	35.8	8.0	2.6	67	4.4	8.2	0.3	49	0.25	0.146	12
1183701	Soil Pulp	0.8	15.2	3.0	28	0.1	8.1	2.8	157	0.81	5.2	<0.5	0.3	13	<0.1	0.7	0.1	17	0.07	0.046	2
1183702	Soil Pulp	7.5	65.6	7.6	91	8.6	18.8	0.6	13	1.17	13.7	7.5	0.7	55	1.8	3.0	0.2	82	0.07	0.108	4
1183703	Soil Pulp	41.2	124.6	8.6	1871	5.6	230.5	11.5	350	1.33	73.8	18.4	0.5	191	15.5	25.5	0.1	299	3.32	0.189	17
1183704	Soil Pulp	46.3	191.7	13.3	2023	2.0	336.0	18.7	167	5.03	98.9	6.7	4.5	175	22.9	32.4	0.2	274	0.44	0.251	8
1183705	Soil Pulp	15.2	46.6	5.0	250	0.9	90.7	2.0	32	1.50	19.8	0.7	0.2	11	0.8	8.1	0.1	302	0.03	0.047	5
1183706	Soil Pulp	164.4	70.7	40.6	104	14.8	25.1	1.3	23	4.51	94.6	5.8	1.9	263	4.6	41.0	0.6	355	0.03	0.131	3
1183707	Soil Pulp	17.6	22.6	21.1	4	0.6	22.0	0.1	3	0.84	9.4	<0.5	0.9	16	<0.1	6.2	0.4	97	0.03	0.010	1
1183708	Soil Pulp	34.1	32.7	27.7	3	0.7	9.5	<0.1	2	0.80	10.7	<0.5	1.4	43	<0.1	15.9	0.5	125	<0.01	0.038	2
1183709	Soil Pulp	4.3	68.4	22.3	105	1.3	31.1	6.6	195	4.29	106.2	12.9	2.4	86	0.3	9.3	0.5	70	0.03	0.094	7
1183710	Soil Pulp	1.2	22.9	20.3	72	1.0	20.9	2.8	17	2.00	51.4	2.6	2.7	64	<0.1	3.3	0.3	14	0.02	0.035	<1
1183711	Soil Pulp	7.8	43.5	32.1	218	2.2	49.7	6.2	84	5.92	144.4	7.0	2.9	195	0.2	10.5	0.4	50	0.03	0.223	4
1183712	Soil Pulp	2.5	39.3	12.6	264	0.7	45.6	7.8	93	5.29	182.7	14.6	2.2	34	0.2	6.0	0.3	18	<0.01	0.078	1
1183713	Soil Pulp	4.0	53.4	20.3	195	0.6	45.8	10.6	51	2.83	40.5	2.1	1.8	37	0.1	1.9	0.3	13	0.01	0.055	2
1183714	Soil Pulp	3.3	89.7	23.2	178	1.0	54.9	14.5	404	4.37	134.5	14.1	1.8	95	0.4	8.3	0.3	27	0.12	0.086	2
1183715	Soil Pulp	3.4	112.3	46.3	166	0.7	57.2	27.7	1961	4.25	116.9	31.2	1.1	65	0.3	5.4	0.5	23	0.11	0.114	3
1183716	Soil Pulp	2.5	306.7	39.1	231	1.1	87.2	35.1	1503	5.90	60.9	44.9	2.3	23	0.5	5.4	1.0	11	0.04	0.099	3
1183717	Soil Pulp	2.3	123.0	40.0	261	0.9	90.9	33.2	710	4.44	26.4	13.4	3.2	34	0.2	2.9	0.6	26	0.21	0.085	9
1183718	Soil Pulp	4.7	52.4	13.2	157	0.9	47.7	7.0	278	2.60	32.8	4.5	1.3	11	0.4	4.9	0.3	18	0.05	0.093	7
1183719	Soil Pulp	7.5	112.6	39.3	172	0.6	58.1	40.7	2959	4.39	66.6	17.2	0.5	53	0.6	6.0	0.4	51	0.06	0.170	6
1183720	Soil Pulp	3.5	185.2	37.6	160	1.4	51.2	14.5	2991	8.80	1365	158.6	2.4	170	0.2	67.3	0.6	28	0.02	0.135	4
1183721	Soil Pulp	3.4	105.7	21.4	347	1.7	196.1	31.5	1557	3.50	136.3	50.0	1.3	52	1.0	55.8	0.4	39	0.73	0.096	13
1183722	Soil Pulp	3.9	63.7	13.7	150	0.6	27.1	10.1	300	2.13	20.7	6.9	3.1	36	0.6	2.9	0.2	71	0.38	0.166	22

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Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

VAN11004557.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1182500	Silt	22	0.40	790	0.006	3	1.34	0.004	0.12	0.3	0.41	1.9	0.2	0.06	3	2.1	<0.2
1182518	Silt	18	0.28	623	0.005	2	1.00	0.003	0.06	0.6	0.23	2.0	0.5	<0.05	2	2.7	<0.2
1183701	Soil Pulp	6	0.05	74	0.018	2	0.40	0.022	0.04	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
1183702	Soil Pulp	32	0.02	556	0.002	4	0.40	0.003	0.10	<0.1	1.07	1.1	0.6	0.27	2	8.8	<0.2
1183703	Soil Pulp	47	0.29	949	0.005	9	0.50	0.008	0.07	0.3	4.05	3.1	1.1	0.13	1	18.0	<0.2
1183704	Soil Pulp	33	0.08	884	0.003	6	0.92	0.003	0.11	0.2	2.03	10.3	1.1	<0.05	1	26.3	<0.2
1183705	Soil Pulp	35	0.01	520	0.003	3	0.36	0.002	0.04	0.1	0.66	0.7	<0.1	0.07	2	3.1	<0.2
1183706	Soil Pulp	28	0.02	52	0.005	3	0.59	0.007	0.45	0.5	11.76	2.5	10.2	1.40	2	42.8	0.8
1183707	Soil Pulp	7	0.01	586	<0.001	5	0.28	0.003	0.12	0.2	1.34	1.2	0.5	0.26	1	2.0	<0.2
1183708	Soil Pulp	10	<0.01	379	<0.001	7	0.19	0.003	0.13	0.3	2.74	1.9	1.1	0.36	1	21.9	<0.2
1183709	Soil Pulp	24	0.15	443	0.007	3	0.82	0.004	0.12	0.1	0.57	3.8	0.3	0.23	3	4.4	0.3
1183710	Soil Pulp	11	<0.01	452	<0.001	3	0.28	0.004	0.15	<0.1	0.29	5.0	0.2	0.30	<1	4.1	<0.2
1183711	Soil Pulp	30	0.03	289	0.002	4	0.44	0.007	0.29	<0.1	1.19	5.1	1.1	0.70	2	12.8	0.3
1183712	Soil Pulp	10	0.02	250	<0.001	2	0.35	0.004	0.08	<0.1	0.15	3.7	<0.1	0.09	1	4.3	<0.2
1183713	Soil Pulp	6	<0.01	173	<0.001	2	0.33	0.005	0.10	<0.1	0.06	3.4	0.2	0.20	<1	2.6	<0.2
1183714	Soil Pulp	21	0.11	614	<0.001	1	0.69	0.004	0.08	<0.1	0.34	7.2	0.2	0.13	2	3.4	<0.2
1183715	Soil Pulp	19	0.08	1304	0.002	3	0.77	0.004	0.11	<0.1	0.22	4.4	0.2	0.12	2	1.6	<0.2
1183716	Soil Pulp	10	0.05	421	<0.001	4	0.27	0.002	0.08	<0.1	1.36	9.8	0.1	<0.05	<1	1.5	0.3
1183717	Soil Pulp	31	0.38	562	0.004	5	1.07	0.006	0.07	<0.1	0.15	7.0	0.1	<0.05	3	1.7	0.2
1183718	Soil Pulp	10	0.04	728	0.001	3	0.51	0.003	0.05	<0.1	0.33	3.5	0.2	<0.05	<1	1.5	<0.2
1183719	Soil Pulp	34	0.16	983	0.007	4	1.34	0.008	0.09	<0.1	0.15	2.9	0.4	0.16	3	2.5	<0.2
1183720	Soil Pulp	17	0.07	223	0.003	2	1.15	0.010	0.21	0.4	0.61	11.3	0.5	0.57	2	3.7	<0.2
1183721	Soil Pulp	33	0.17	2137	0.002	4	0.97	0.005	0.06	0.2	0.94	5.8	0.9	0.08	2	1.8	<0.2
1183722	Soil Pulp	26	0.63	225	0.008	4	1.33	0.004	0.19	<0.1	0.19	2.7	0.3	<0.05	5	1.3	<0.2

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**Project:** CCJV  
**Report Date:** September 28, 2011

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

**QUALITY CONTROL REPORT** **VAN11004557.1**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
Pulp Duplicates																					
1183711	Soil Pulp	7.8	43.5	32.1	218	2.2	49.7	6.2	84	5.92	144.4	7.0	2.9	195	0.2	10.5	0.4	50	0.03	0.223	4
REP 1183711	QC	7.7	43.5	31.5	220	2.2	49.8	6.1	83	5.85	141.9	7.9	2.9	185	0.3	10.2	0.4	50	0.03	0.213	3
Reference Materials																					
STD DS8	Standard	12.8	109.5	122.4	307	1.7	37.5	7.3	589	2.37	24.9	102.6	7.2	68	2.1	6.2	7.1	42	0.68	0.076	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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**Project:** CCJV

**Report Date:** September 28, 2011

**Page:** 1 of 1 Part 2

## QUALITY CONTROL REPORT

VAN11004557.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
1183711	Soil Pulp	30	0.03	289	0.002	4	0.44	0.007	0.29	<0.1	1.19	5.1	1.1	0.70	2	12.8	0.3
REP 1183711	QC	30	0.03	237	0.001	4	0.42	0.007	0.29	<0.1	1.18	5.1	1.1	0.70	2	12.0	0.3
Reference Materials																	
STD DS8	Standard	114	0.59	274	0.121	3	0.90	0.091	0.40	3.0	0.17	2.3	5.2	0.17	5	5.3	4.9
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Confirmation Email List  
Receiving Lab: Canada-Vancouver  
Received: September 14, 2011  
Report Date: November 27, 2011  
Page: 1 of 6

**CERTIFICATE OF ANALYSIS**

**VAN11004726.1**

**CLIENT JOB INFORMATION**

Project: CCJV  
Shipment ID:  
P.O. Number X-13  
Number of Samples: 130

**SAMPLE PREPARATION AND ANALYTICAL PROCEDURES**

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	130	Sorting of samples on arrival and labeling			VAN
1DX2	130	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

**SAMPLE DISPOSAL**

STOR-PLP Store After 90 days Invoice for Storage

**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: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Report Email List



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Project: CCJV  
 Report Date: November 27, 2011

Page: 2 of 6 Part 1

CERTIFICATE OF ANALYSIS

VAN11004726.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1185567	Soil Pulp	3.4	154.3	16.6	125	0.8	38.9	11.6	591	9.36	187.1	29.7	0.9	32	0.2	20.8	0.7	56	0.05	0.152	10
1185568	Soil Pulp	3.7	128.9	15.1	99	0.6	35.8	8.1	337	7.05	229.5	23.0	1.2	44	0.2	7.3	0.6	63	0.06	0.110	12
1185569	Soil Pulp	2.7	187.6	9.1	163	0.9	58.2	15.9	1111	8.57	225.3	28.9	2.7	24	0.2	6.5	0.8	66	0.07	0.085	10
1185570	Soil Pulp	3.5	140.8	19.9	196	1.3	65.1	25.8	934	6.32	225.3	38.4	1.4	54	0.4	44.9	0.4	53	0.06	0.152	13
1185571	Soil Pulp	1.6	69.1	14.4	687	0.7	194.1	48.9	1279	5.87	161.0	31.6	1.3	55	1.1	5.0	0.5	37	0.37	0.122	18
1185572	Soil Pulp	2.6	87.0	24.4	309	0.8	95.5	18.7	217	10.29	418.6	55.9	18.3	85	2.7	51.2	0.3	36	0.14	0.138	43
1185573	Soil Pulp	21.0	172.3	76.5	318	3.3	34.9	4.5	224	7.84	1268	142.6	3.2	60	1.6	42.3	0.9	107	0.03	0.249	38
1185574	Soil Pulp	6.3	75.0	24.5	139	1.0	22.9	3.5	119	5.18	216.8	15.9	5.1	26	0.6	30.7	0.5	82	0.02	0.082	15
1185575	Soil Pulp	5.4	70.8	22.0	84	2.3	11.6	1.7	99	3.52	93.8	14.7	1.1	33	0.4	13.9	0.5	54	0.03	0.093	12
1185576	Soil Pulp	3.1	40.0	11.1	47	2.2	7.7	1.6	53	2.05	54.7	6.4	0.5	19	0.4	8.4	0.3	40	0.02	0.054	7
1185577	Soil Pulp	14.9	73.2	36.0	54	5.3	27.0	1.2	61	2.35	152.7	11.7	0.2	114	0.5	23.0	0.5	180	0.10	0.391	9
1185578	Soil Pulp	6.2	81.6	21.2	106	1.1	14.7	2.3	88	3.29	111.8	14.8	0.4	27	0.3	15.5	0.5	54	0.02	0.080	14
1185579	Soil Pulp	13.2	93.8	26.8	169	2.6	28.2	4.8	175	3.69	170.9	42.2	5.7	89	0.9	24.6	0.5	78	0.04	0.140	17
1185580	Soil Pulp	13.4	130.3	28.8	165	2.9	29.7	4.7	185	5.72	229.2	48.5	8.2	102	0.9	29.0	0.7	80	0.02	0.179	17
1185581	Soil Pulp	4.8	73.5	21.7	124	1.0	20.1	4.0	374	2.91	153.8	10.6	0.2	47	1.0	18.5	0.5	35	0.28	0.146	10
1185582	Soil Pulp	5.3	49.3	23.3	105	1.6	18.1	3.9	133	3.58	190.6	10.7	1.4	24	0.9	29.5	0.5	77	0.03	0.083	14
1185583	Soil Pulp	5.1	43.8	16.2	120	0.7	18.9	3.6	328	2.91	168.4	9.2	0.6	25	0.7	27.0	0.4	81	0.07	0.098	12
1185584	Soil Pulp	7.7	102.7	21.1	180	1.4	28.0	12.2	769	4.05	334.6	27.7	1.9	42	3.7	52.6	0.5	60	0.07	0.184	18
1371331	Soil Pulp	2.8	51.5	10.3	98	0.5	43.4	5.6	136	4.67	77.4	9.5	0.7	26	0.2	8.1	0.2	49	0.03	0.097	9
1371332	Soil Pulp	1.9	46.4	10.3	70	0.8	27.4	9.1	775	2.53	135.4	8.8	0.3	28	0.5	26.5	0.2	38	0.14	0.156	8
1371333	Soil Pulp	2.2	50.2	12.9	154	0.4	55.6	12.5	604	4.10	226.2	47.3	0.6	31	0.4	14.7	0.3	47	0.12	0.095	9
1371334	Soil Pulp	2.9	35.5	12.9	60	0.2	29.0	2.7	90	4.16	121.2	7.9	4.9	45	0.1	14.1	0.2	71	0.02	0.066	13
1371335	Soil Pulp	2.3	42.8	9.0	64	0.7	16.6	7.5	274	4.08	101.8	23.3	2.0	20	0.2	36.1	0.2	35	0.04	0.081	18
1371336	Soil Pulp	3.5	71.6	12.9	80	0.8	19.4	10.5	237	5.95	1100	48.3	10.6	21	0.2	33.8	0.4	39	0.07	0.096	26
1371337	Soil Pulp	1.8	34.1	11.0	66	0.5	11.2	7.7	294	6.09	110.2	12.9	19.6	30	0.1	12.6	0.2	48	0.07	0.107	35
1371338	Soil Pulp	2.6	22.4	17.0	84	1.0	11.4	18.8	606	5.10	353.6	78.9	14.0	19	0.2	42.1	0.2	34	0.11	0.085	58
1371339	Soil Pulp	2.3	26.5	10.4	84	0.6	16.3	12.8	408	4.17	114.0	17.7	12.0	21	0.2	16.5	0.2	48	0.12	0.080	38
1371340	Soil Pulp	2.4	25.9	8.6	77	0.6	16.9	10.9	366	3.77	80.9	8.8	12.0	28	0.3	13.8	0.1	46	0.12	0.081	28
1371341	Soil Pulp	1.8	20.7	8.8	51	0.4	9.9	4.8	188	4.06	513.6	12.0	6.8	13	<0.1	7.8	0.2	39	0.06	0.067	28
1371342	Soil Pulp	2.7	108.7	16.6	144	1.9	53.5	8.8	352	4.28	324.5	67.7	1.4	54	0.3	181.0	0.2	23	0.05	0.075	11

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 Report Date: November 27, 2011

Page: 2 of 6 Part 2

**CERTIFICATE OF ANALYSIS** VAN11004726.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1185567	Soil Pulp	31	0.38	133	0.021	3	1.71	0.006	0.08	0.8	0.07	1.4	0.2	0.19	5	6.8	<0.2
1185568	Soil Pulp	34	0.41	231	0.045	3	1.85	0.010	0.16	1.2	0.06	2.0	0.3	0.14	6	4.5	<0.2
1185569	Soil Pulp	42	0.90	302	0.094	2	2.86	0.007	0.29	2.4	0.06	4.0	0.3	0.13	8	6.1	<0.2
1185570	Soil Pulp	34	0.33	207	0.029	2	1.39	0.011	0.11	0.9	0.04	2.0	0.2	0.14	5	3.8	<0.2
1185571	Soil Pulp	22	0.29	407	0.024	1	1.79	0.006	0.08	0.9	0.03	2.5	0.2	0.12	4	3.4	<0.2
1185572	Soil Pulp	11	0.29	201	0.093	1	2.81	0.047	0.09	0.6	0.02	4.2	<0.1	0.24	7	2.9	<0.2
1185573	Soil Pulp	46	0.11	327	0.012	<1	1.05	0.005	0.10	1.2	0.14	3.1	0.3	0.23	5	12.9	0.5
1185574	Soil Pulp	25	0.14	150	0.026	1	1.01	0.003	0.06	0.4	0.05	1.8	0.2	0.07	5	5.7	0.2
1185575	Soil Pulp	19	0.07	135	0.014	1	0.60	0.007	0.05	0.5	0.07	1.0	0.1	0.11	4	10.1	<0.2
1185576	Soil Pulp	11	0.05	74	0.022	1	0.45	0.012	0.03	0.3	0.07	0.7	<0.1	0.09	3	4.2	<0.2
1185577	Soil Pulp	28	0.08	284	0.003	2	1.09	0.006	0.06	1.0	0.18	0.4	0.2	0.14	3	18.6	0.6
1185578	Soil Pulp	19	0.04	121	0.011	<1	0.66	0.008	0.04	0.4	0.05	0.6	<0.1	0.05	4	9.5	<0.2
1185579	Soil Pulp	25	0.20	371	0.025	2	0.90	0.006	0.12	1.0	0.07	2.8	0.2	0.09	4	15.7	0.3
1185580	Soil Pulp	29	0.16	325	0.017	<1	0.95	0.006	0.10	1.3	0.09	3.8	0.2	0.13	4	20.0	0.4
1185581	Soil Pulp	13	0.09	222	0.006	1	0.54	0.006	0.08	0.5	0.08	0.5	0.1	0.16	2	4.0	<0.2
1185582	Soil Pulp	20	0.10	207	0.015	1	1.02	0.006	0.05	1.0	0.04	1.0	0.2	0.07	6	2.3	<0.2
1185583	Soil Pulp	19	0.07	267	0.020	1	0.56	0.006	0.05	0.6	0.04	0.9	0.2	0.06	5	2.4	<0.2
1185584	Soil Pulp	25	0.24	393	0.025	2	1.13	0.007	0.12	0.7	0.05	2.1	0.2	0.11	5	5.1	<0.2
1371331	Soil Pulp	25	0.20	105	0.027	<1	1.87	0.012	0.06	0.5	0.04	1.2	0.1	0.10	5	3.6	<0.2
1371332	Soil Pulp	21	0.14	338	0.007	2	0.93	0.007	0.06	4.0	0.05	0.4	0.1	0.13	3	2.2	<0.2
1371333	Soil Pulp	21	0.26	263	0.012	1	0.98	0.004	0.04	8.2	0.03	0.9	0.1	0.08	3	2.5	<0.2
1371334	Soil Pulp	19	0.14	168	0.062	<1	1.50	0.005	0.06	15.0	0.04	1.6	0.2	0.06	8	2.4	<0.2
1371335	Soil Pulp	13	0.22	120	0.023	1	1.63	0.010	0.04	13.7	0.06	1.4	<0.1	0.09	4	2.8	<0.2
1371336	Soil Pulp	14	0.39	150	0.058	2	1.91	0.020	0.11	25.4	0.02	3.2	0.2	0.16	5	3.5	0.4
1371337	Soil Pulp	13	0.58	221	0.125	2	2.17	0.040	0.25	4.2	0.02	5.2	0.3	0.29	8	3.7	0.2
1371338	Soil Pulp	10	0.43	165	0.088	2	2.16	0.027	0.19	11.9	0.03	4.5	0.3	0.14	6	2.5	<0.2
1371339	Soil Pulp	14	0.53	207	0.111	1	2.22	0.025	0.20	3.2	0.04	4.4	0.3	0.11	6	2.6	<0.2
1371340	Soil Pulp	15	0.54	337	0.108	1	1.80	0.029	0.21	5.2	0.04	4.5	0.3	0.12	6	2.4	<0.2
1371341	Soil Pulp	12	0.34	101	0.077	1	2.12	0.013	0.11	1.8	0.04	3.1	0.2	0.07	6	2.5	0.2
1371342	Soil Pulp	13	0.22	153	0.017	<1	0.97	0.005	0.04	3.7	0.05	1.4	0.1	<0.05	2	6.2	<0.2

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Project: CCJV  
 Report Date: November 27, 2011

Page: 3 of 6 Part 1

CERTIFICATE OF ANALYSIS

VAN11004726.1

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1371343	Soil Pulp	2.7	149.1	15.3	216	0.7	99.1	27.4	754	6.69	262.6	29.6	2.9	55	0.4	51.3	0.3	62	0.05	0.112	17
1371344	Soil Pulp	1.7	56.1	9.5	180	0.9	73.2	13.4	269	4.49	145.8	33.6	1.7	39	0.4	12.4	0.4	57	0.10	0.075	10
1371345	Soil Pulp	2.0	58.3	12.3	232	0.7	77.1	17.5	476	3.92	309.7	18.9	1.4	41	0.5	24.4	0.3	57	0.09	0.103	14
1371346	Soil Pulp	1.9	28.5	10.2	137	0.3	36.3	7.3	196	2.91	114.5	12.4	0.4	20	0.7	9.9	0.2	45	0.07	0.052	9
1371347	Soil Pulp	0.6	15.1	5.2	87	0.3	15.9	4.1	618	1.86	8.6	1.3	<0.1	12	0.5	1.4	<0.1	13	0.14	0.071	4
1371348	Soil Pulp	1.3	40.3	7.5	159	0.6	35.1	13.6	486	3.31	42.0	3.1	0.6	26	1.0	3.4	0.3	31	0.19	0.077	8
1371349	Soil Pulp	2.6	51.0	11.5	171	0.9	38.9	6.9	214	3.39	187.7	74.6	0.7	26	0.5	12.4	0.4	49	0.04	0.094	10
1371350	Soil Pulp	4.5	90.9	15.1	191	1.2	62.2	7.7	202	6.06	337.5	215.2	2.4	51	0.4	19.2	0.7	67	0.06	0.118	15
1382291	Soil Pulp	2.3	50.8	12.2	124	0.5	40.8	12.4	411	2.70	260.0	23.1	8.0	29	0.5	7.1	0.9	40	0.19	0.071	25
1382292	Soil Pulp	1.2	14.3	9.0	52	0.4	9.9	5.4	246	1.90	152.7	14.8	7.1	13	0.4	2.6	0.9	28	0.14	0.062	28
1382293	Soil Pulp	2.8	22.9	12.7	47	0.4	10.0	2.8	110	2.67	130.6	14.1	0.6	15	0.2	5.3	1.5	42	0.04	0.061	12
1382294	Soil Pulp	3.5	68.4	15.5	192	0.2	59.7	16.0	489	3.68	273.9	35.2	5.1	24	0.2	7.0	1.1	55	0.15	0.096	26
1382295	Soil Pulp	2.0	36.4	11.4	105	0.2	23.2	6.6	228	2.39	78.5	14.0	5.6	16	0.3	2.9	0.6	50	0.13	0.061	18
1382296	Soil Pulp	4.0	28.7	8.6	32	1.2	7.4	1.4	61	1.68	40.6	13.1	0.3	20	0.1	3.7	0.2	34	0.03	0.104	5
1382297	Soil Pulp	5.0	51.0	16.1	84	0.3	16.1	3.5	94	3.46	417.4	30.5	0.2	21	0.6	11.1	0.4	78	0.02	0.077	14
1382298	Soil Pulp	2.8	36.0	10.3	70	0.3	17.2	4.6	158	2.68	228.7	308.8	2.9	15	0.5	8.2	0.3	45	0.05	0.050	12
1382299	Soil Pulp	3.1	14.4	12.1	58	0.1	9.8	2.7	107	2.22	114.2	5.4	2.4	14	0.6	5.2	0.4	68	0.03	0.032	11
1382300	Soil Pulp	6.1	57.7	31.6	103	1.2	19.6	6.2	395	3.46	568.6	79.8	2.4	46	0.9	15.3	0.8	73	0.06	0.192	12
1382301	Soil Pulp	12.8	117.5	31.8	122	2.5	30.2	6.2	255	5.02	832.5	129.0	5.2	54	1.2	40.6	0.8	98	0.06	0.211	18
1382302	Soil Pulp	15.6	79.3	24.9	103	2.2	23.2	5.1	234	3.62	370.0	69.4	2.4	52	0.5	23.6	0.6	90	0.08	0.216	14
1382303	Soil Pulp	33.2	34.8	25.0	38	3.8	7.1	1.0	100	2.33	149.0	39.7	2.2	64	0.2	18.7	0.7	95	0.10	0.390	6
1382304	Soil Pulp	57.4	22.8	33.8	29	2.9	6.1	1.1	70	2.08	163.3	13.3	0.4	51	0.4	30.0	0.4	180	0.05	0.419	7
1382305	Soil Pulp	36.3	33.2	37.0	44	2.2	7.8	1.4	99	2.45	136.7	23.7	0.3	68	0.3	25.4	0.5	154	0.04	0.331	10
1382306	Soil Pulp	26.0	15.3	65.4	33	1.3	6.6	1.2	29	0.95	39.0	8.5	<0.1	77	0.1	9.7	0.6	111	0.02	0.065	11
1382307	Soil Pulp	32.4	24.8	32.3	45	2.9	7.8	1.5	54	2.60	119.1	13.9	0.2	61	0.2	12.1	0.5	195	0.04	0.306	11
1382308	Soil Pulp	22.2	22.8	29.4	43	1.7	7.7	1.4	31	1.27	43.7	20.4	0.1	43	0.3	7.6	0.5	95	0.03	0.098	9
1382309	Soil Pulp	39.0	34.4	41.5	61	1.4	8.6	1.8	44	2.43	102.2	9.7	0.1	58	0.4	27.4	0.8	141	0.04	0.155	13
1382310	Soil Pulp	37.1	70.4	66.6	105	4.5	12.5	1.1	90	2.65	145.8	36.0	0.3	61	0.7	30.3	1.4	220	0.06	0.277	14
1382311	Soil Pulp	8.6	299.0	81.1	172	4.0	18.5	2.6	135	11.13	418.3	128.4	16.3	44	1.5	63.0	0.7	64	0.02	0.228	28
1382312	Soil Pulp	6.5	87.8	20.3	176	0.8	37.6	8.6	177	4.66	395.6	63.9	2.7	33	1.4	47.4	0.4	75	0.04	0.097	17

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Project: CCJV  
 Report Date: November 27, 2011

Page: 3 of 6 Part 2

CERTIFICATE OF ANALYSIS

VAN11004726.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1371343	Soil Pulp	42	0.46	322	0.057	1	2.49	0.010	0.24	1.8	0.04	3.5	0.3	0.09	7	3.2	<0.2
1371344	Soil Pulp	53	0.52	247	0.063	1	1.94	0.010	0.11	1.3	0.05	2.1	0.2	0.08	7	1.7	<0.2
1371345	Soil Pulp	33	0.51	443	0.039	1	2.28	0.010	0.15	0.8	0.06	2.4	0.3	0.11	6	2.6	<0.2
1371346	Soil Pulp	27	0.25	161	0.024	1	1.26	0.004	0.06	2.5	0.05	0.9	0.1	0.06	4	1.2	<0.2
1371347	Soil Pulp	9	0.34	97	0.007	<1	0.34	0.002	0.01	0.7	0.03	0.4	<0.1	<0.05	2	1.1	<0.2
1371348	Soil Pulp	15	0.20	198	0.014	<1	0.89	0.008	0.03	0.6	0.06	0.8	0.1	0.10	3	3.6	<0.2
1371349	Soil Pulp	22	0.19	151	0.018	2	1.01	0.008	0.06	1.8	0.07	0.9	0.1	0.13	4	1.9	<0.2
1371350	Soil Pulp	28	0.18	203	0.030	3	1.24	0.013	0.08	1.6	0.07	1.5	0.2	0.16	5	4.0	<0.2
1382291	Soil Pulp	16	0.39	299	0.076	2	1.22	0.016	0.23	4.0	0.05	3.3	0.3	<0.05	4	1.2	<0.2
1382292	Soil Pulp	10	0.34	100	0.085	2	2.16	0.024	0.16	6.7	0.05	2.1	0.2	<0.05	5	0.8	<0.2
1382293	Soil Pulp	16	0.20	108	0.032	1	1.26	0.007	0.07	3.6	0.11	0.8	0.2	0.10	6	1.1	<0.2
1382294	Soil Pulp	25	0.56	234	0.065	2	2.40	0.012	0.14	4.6	0.08	3.2	0.3	<0.05	6	1.4	<0.2
1382295	Soil Pulp	17	0.45	282	0.074	2	1.64	0.016	0.15	5.8	0.07	2.9	0.2	<0.05	5	<0.5	<0.2
1382296	Soil Pulp	10	0.04	466	0.006	<1	0.83	0.013	0.04	0.4	0.10	0.3	<0.1	0.07	3	3.7	<0.2
1382297	Soil Pulp	17	0.11	222	0.016	1	0.75	0.005	0.06	2.2	0.03	0.4	0.1	<0.05	6	2.6	<0.2
1382298	Soil Pulp	13	0.30	304	0.070	2	1.10	0.010	0.10	6.0	0.05	1.9	0.2	<0.05	5	2.0	<0.2
1382299	Soil Pulp	11	0.10	157	0.085	1	0.62	0.004	0.08	5.3	0.02	1.0	0.2	<0.05	7	<0.5	<0.2
1382300	Soil Pulp	27	0.25	346	0.036	1	1.37	0.006	0.10	2.3	0.04	2.2	0.3	0.07	6	7.7	0.2
1382301	Soil Pulp	29	0.28	443	0.032	1	1.73	0.006	0.10	1.4	0.19	3.7	0.3	0.12	5	12.5	0.3
1382302	Soil Pulp	23	0.26	501	0.031	1	1.32	0.009	0.14	3.6	0.07	2.6	0.3	0.11	5	13.3	0.4
1382303	Soil Pulp	21	0.06	329	0.010	<1	0.53	0.007	0.12	1.6	0.11	1.7	0.3	0.14	3	24.0	0.6
1382304	Soil Pulp	22	0.06	229	0.006	<1	0.69	0.004	0.07	1.2	0.55	0.5	0.3	0.07	3	21.6	0.6
1382305	Soil Pulp	28	0.06	303	0.004	3	0.75	0.006	0.07	0.9	0.14	0.2	0.3	0.12	4	20.8	0.6
1382306	Soil Pulp	11	0.01	185	0.003	<1	0.24	0.003	0.05	0.5	0.06	0.1	0.2	<0.05	3	18.1	0.3
1382307	Soil Pulp	22	0.06	248	0.011	1	0.72	0.004	0.06	0.9	0.21	0.4	0.3	0.05	6	19.9	0.2
1382308	Soil Pulp	15	0.02	201	0.003	<1	0.53	0.005	0.05	0.7	0.08	0.2	0.2	<0.05	4	13.0	0.3
1382309	Soil Pulp	13	0.02	185	0.006	<1	0.55	0.004	0.05	0.7	0.07	0.2	0.2	<0.05	4	13.3	0.3
1382310	Soil Pulp	18	0.04	339	0.005	<1	0.74	0.005	0.08	1.0	0.27	0.4	0.2	0.06	4	17.1	0.8
1382311	Soil Pulp	24	0.11	258	0.019	<1	1.90	0.010	0.06	0.3	0.09	4.4	0.1	0.07	6	15.7	<0.2
1382312	Soil Pulp	25	0.26	220	0.021	1	1.34	0.005	0.07	0.4	0.09	2.3	0.2	0.05	5	6.3	0.2

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Page: 4 of 6 Part 1

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Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1382313	Soil Pulp	2.7	73.3	24.1	187	0.8	87.0	15.0	301	5.74	205.0	27.9	2.9	57	1.3	16.1	0.3	64	0.13	0.125	19
1382314	Soil Pulp	2.2	34.4	16.6	114	0.9	23.2	13.3	469	4.49	330.7	42.4	7.3	32	0.6	51.4	0.2	38	0.09	0.083	32
1382315	Soil Pulp	5.2	48.3	13.2	257	0.7	53.4	9.3	171	3.65	109.0	32.1	3.5	29	0.8	27.4	0.2	79	0.05	0.088	11
1382316	Soil Pulp	12.4	113.9	41.4	312	0.5	45.1	6.2	103	7.76	406.3	12.0	1.4	25	1.1	49.7	0.8	97	0.02	0.157	14
1383305	Soil Pulp	2.0	44.6	28.1	85	1.1	26.3	4.1	88	3.47	1247	123.8	0.3	65	0.3	16.3	0.3	39	0.06	0.115	10
1383306	Soil Pulp	0.4	4.1	1.3	9	0.3	2.1	0.6	18	0.36	7.5	2.5	<0.1	6	<0.1	0.7	<0.1	9	0.04	0.045	1
1383307	Soil Pulp	0.4	4.1	4.3	7	0.6	1.5	0.7	15	0.53	5.8	4.3	<0.1	7	0.2	1.5	<0.1	9	0.03	0.032	1
1383308	Soil Pulp	1.4	15.2	4.9	23	0.5	5.1	1.8	104	1.32	35.1	2.9	0.3	10	0.1	1.3	0.1	20	0.06	0.068	6
1383309	Soil Pulp	1.6	29.6	5.1	116	0.3	31.8	3.5	99	2.06	167.1	3.3	<0.1	13	0.2	4.0	0.1	30	0.02	0.048	5
1383310	Soil Pulp	2.9	272.8	14.7	170	5.8	123.6	5.9	113	11.11	1351	100.1	11.1	217	1.9	30.2	0.3	101	0.04	0.303	43
1383311	Soil Pulp	3.6	70.3	16.2	86	0.7	15.8	2.4	65	5.80	373.9	38.6	0.4	46	0.5	11.6	0.3	52	0.04	0.210	10
1383312	Soil Pulp	3.8	131.7	21.9	222	1.5	103.4	4.2	91	4.97	81.9	16.5	2.9	182	0.6	10.7	0.2	102	0.16	0.322	16
1383313	Soil Pulp	12.8	175.4	41.1	93	0.5	22.5	3.7	106	16.25	78.0	20.2	40.5	36	0.2	17.0	0.5	108	0.02	0.349	8
1383314	Soil Pulp	18.1	181.8	31.8	65	1.4	74.2	2.8	142	10.95	588.2	22.8	14.4	60	0.3	129.1	0.6	188	0.02	0.987	6
1383315	Soil Pulp	7.7	269.9	33.9	208	2.3	70.4	7.3	131	10.70	1054	626.7	6.6	51	0.9	97.9	0.6	126	0.02	0.227	15
1383316	Soil Pulp	2.6	26.3	6.2	56	0.8	10.5	1.3	22	1.02	83.4	7.8	<0.1	20	1.0	5.9	0.1	18	0.08	0.089	3
1383317	Soil Pulp	4.2	37.0	12.6	35	1.0	6.6	1.1	34	2.29	281.3	50.9	0.3	37	0.4	33.3	0.3	41	0.04	0.106	13
1383318	Soil Pulp	6.1	110.9	15.3	62	1.3	21.2	3.4	108	5.77	482.1	77.0	1.6	57	0.6	47.5	0.4	88	0.04	0.187	12
1383319	Soil Pulp	18.1	102.5	25.9	183	1.1	35.7	3.6	108	6.92	82.7	24.2	2.2	70	0.9	20.7	0.4	175	0.03	0.227	12
1383320	Soil Pulp	1.3	17.3	4.4	21	2.2	4.9	1.0	23	1.19	22.6	6.8	<0.1	8	0.2	4.3	<0.1	18	0.04	0.058	3
1383321	Soil Pulp	3.4	71.6	12.8	104	1.1	23.5	4.7	153	6.21	307.3	356.3	0.6	23	0.5	19.9	0.3	55	0.03	0.102	10
1383322	Soil Pulp	1.1	58.5	7.7	309	1.5	91.1	15.8	499	3.57	49.1	10.3	0.7	47	1.1	14.1	0.1	22	0.39	0.088	12
1383323	Soil Pulp	3.8	103.0	17.9	216	1.1	114.4	29.2	261	7.07	211.7	17.9	6.0	85	1.1	25.4	0.3	83	0.07	0.146	19
1383324	Soil Pulp	2.2	42.7	10.7	143	0.6	53.0	11.5	413	3.96	134.3	13.6	0.9	26	0.4	7.5	0.2	53	0.15	0.091	14
1383325	Soil Pulp	2.6	18.0	12.6	67	0.7	13.2	3.9	175	5.31	234.5	12.0	7.8	23	0.2	13.8	0.2	50	0.05	0.078	17
1383326	Soil Pulp	2.6	22.5	13.2	77	0.7	16.5	6.6	225	6.18	135.3	25.2	13.4	42	0.2	22.1	0.2	46	0.06	0.106	36
1383327	Soil Pulp	1.6	15.8	9.3	57	0.3	6.8	5.1	280	3.56	142.9	24.5	7.6	15	<0.1	19.1	0.2	39	0.07	0.051	17
1383328	Soil Pulp	2.0	22.3	11.6	66	0.6	11.2	9.6	395	4.61	223.8	32.2	17.0	26	<0.1	28.8	0.2	41	0.08	0.081	35
1383329	Soil Pulp	1.0	8.9	5.2	30	0.6	6.2	1.6	70	1.57	67.6	6.8	0.3	9	0.1	16.0	0.1	21	0.03	0.050	7
1383330	Soil Pulp	1.5	39.5	9.0	91	0.4	19.6	6.0	692	2.00	37.2	4.4	0.1	19	1.1	6.3	0.2	42	0.10	0.078	7

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Project: CCJV  
 Report Date: November 27, 2011

Page: 4 of 6 Part 2

CERTIFICATE OF ANALYSIS

VAN11004726.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1382313	Soil Pulp	38	0.35	500	0.049	1	2.35	0.016	0.15	1.3	0.05	3.2	0.2	0.08	6	5.3	<0.2
1382314	Soil Pulp	12	0.44	307	0.078	<1	2.12	0.027	0.20	2.6	0.04	3.8	0.2	0.14	6	3.6	0.3
1382315	Soil Pulp	32	0.29	982	0.032	<1	1.99	0.004	0.06	1.9	0.14	1.9	0.2	0.07	4	2.6	<0.2
1382316	Soil Pulp	18	0.04	160	0.019	<1	0.90	0.007	0.05	0.5	0.03	1.5	0.2	0.06	5	4.1	0.3
1383305	Soil Pulp	19	0.14	193	0.009	1	0.80	0.018	0.04	1.6	0.07	0.5	0.2	0.07	3	2.8	<0.2
1383306	Soil Pulp	3	0.02	51	0.012	<1	0.13	0.014	0.02	0.1	0.05	0.4	<0.1	0.05	<1	<0.5	<0.2
1383307	Soil Pulp	3	0.02	57	0.011	<1	0.21	0.018	0.02	0.2	0.03	0.4	<0.1	0.05	<1	0.8	<0.2
1383308	Soil Pulp	8	0.11	43	0.022	<1	1.00	0.019	0.05	0.2	0.06	0.4	0.1	<0.05	4	1.2	<0.2
1383309	Soil Pulp	9	0.04	61	0.012	<1	0.49	0.011	0.02	0.4	0.02	0.2	<0.1	<0.05	3	1.3	<0.2
1383310	Soil Pulp	51	0.16	826	0.015	1	4.38	0.007	0.14	1.0	0.27	5.7	0.6	0.27	4	10.0	<0.2
1383311	Soil Pulp	20	0.03	311	0.005	<1	0.48	0.007	0.08	0.5	0.08	0.3	0.1	0.15	4	5.8	<0.2
1383312	Soil Pulp	26	0.05	414	0.020	<1	3.32	0.004	0.12	0.2	0.29	2.8	0.2	0.17	5	7.4	<0.2
1383313	Soil Pulp	66	0.11	224	0.026	2	1.20	0.005	0.05	0.9	0.10	5.5	0.2	<0.05	6	24.0	<0.2
1383314	Soil Pulp	48	0.11	408	0.017	3	4.20	0.005	0.12	0.7	0.07	12.9	0.3	0.39	3	18.7	0.3
1383315	Soil Pulp	37	0.19	255	0.032	2	2.34	0.006	0.10	0.7	0.15	5.7	0.6	0.17	5	19.9	0.3
1383316	Soil Pulp	6	0.02	273	0.007	2	0.34	0.004	0.03	0.3	0.18	0.3	<0.1	0.18	<1	1.4	<0.2
1383317	Soil Pulp	10	0.03	219	0.011	2	0.42	0.007	0.05	0.5	0.13	0.5	0.2	0.12	2	3.2	<0.2
1383318	Soil Pulp	28	0.13	322	0.020	3	1.44	0.004	0.06	1.5	0.13	2.5	0.3	0.08	4	6.3	0.2
1383319	Soil Pulp	31	0.12	898	0.013	2	1.31	0.006	0.06	0.9	0.13	1.4	0.2	0.08	5	14.9	<0.2
1383320	Soil Pulp	7	0.03	100	0.007	<1	0.41	0.012	0.03	0.3	0.09	<0.1	<0.1	<0.05	2	1.2	<0.2
1383321	Soil Pulp	21	0.11	202	0.017	3	0.94	0.004	0.04	0.6	0.07	0.9	0.1	<0.05	4	5.6	0.3
1383322	Soil Pulp	16	0.52	657	0.009	1	1.03	0.003	0.04	0.2	0.12	1.1	<0.1	<0.05	2	2.6	<0.2
1383323	Soil Pulp	49	0.24	877	0.047	<1	2.78	0.006	0.10	0.3	0.05	5.9	0.5	<0.05	6	8.6	<0.2
1383324	Soil Pulp	26	0.38	344	0.020	2	1.54	0.005	0.07	7.4	0.03	1.7	0.2	<0.05	5	2.3	<0.2
1383325	Soil Pulp	13	0.25	147	0.075	2	1.64	0.011	0.08	1.6	0.07	2.9	0.2	0.09	7	3.0	<0.2
1383326	Soil Pulp	14	0.41	203	0.072	3	2.05	0.042	0.15	1.7	0.04	4.7	0.2	0.25	6	5.1	<0.2
1383327	Soil Pulp	8	0.34	125	0.098	3	1.44	0.014	0.11	4.9	0.04	2.9	0.2	0.05	7	1.2	<0.2
1383328	Soil Pulp	10	0.53	235	0.113	1	2.04	0.026	0.26	5.3	0.02	5.3	0.3	0.08	7	3.4	0.2
1383329	Soil Pulp	6	0.10	56	0.027	2	0.65	0.016	0.03	1.1	0.05	0.7	<0.1	<0.05	3	1.2	<0.2
1383330	Soil Pulp	16	0.08	165	0.016	2	0.55	0.003	0.05	0.6	0.06	0.4	<0.1	0.05	3	0.6	<0.2

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Project: CCJV  
 Report Date: November 27, 2011

Page: 5 of 6 Part 1

CERTIFICATE OF ANALYSIS

VAN11004726.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1383331	Soil Pulp	1.1	51.9	6.0	384	0.4	117.2	15.4	399	4.60	210.7	38.3	3.0	11	1.0	27.9	0.3	44	0.04	0.055	7
1383332	Soil Pulp	5.1	122.3	15.7	180	3.8	40.1	6.8	293	7.13	87.1	29.2	1.5	35	1.4	16.0	0.3	75	0.06	0.149	10
1383333	Soil Pulp	4.9	135.3	24.9	298	0.4	77.4	7.6	130	13.53	44.9	7.3	18.1	59	0.6	9.3	0.3	173	0.04	0.166	7
1383334	Soil Pulp	20.8	164.5	19.9	503	0.7	91.2	7.2	91	12.88	136.0	14.6	9.4	63	0.8	58.4	0.2	219	0.02	0.229	10
1383335	Soil Pulp	5.1	126.4	12.1	134	1.2	64.4	7.1	154	5.62	58.4	43.1	4.2	25	1.0	24.1	0.3	91	0.03	0.097	8
1383336	Soil Pulp	0.8	9.7	1.8	20	0.6	4.8	1.3	24	0.82	4.8	1.1	<0.1	9	<0.1	1.7	<0.1	25	0.03	0.029	1
1383337	Soil Pulp	4.7	38.0	14.4	113	1.1	27.6	3.9	91	3.96	47.7	5.7	3.6	19	0.3	8.3	0.3	86	0.03	0.057	11
1383338	Soil Pulp	10.5	133.9	15.0	355	0.6	145.1	6.4	158	6.37	323.2	9.5	3.6	32	1.1	64.3	0.2	123	0.03	0.163	11
1383339	Soil Pulp	5.6	113.0	9.6	336	1.1	88.5	14.4	237	4.66	108.2	13.3	2.0	40	2.0	20.9	0.3	60	0.10	0.128	9
1383340	Soil Pulp	4.3	84.9	25.3	142	3.4	31.4	3.7	109	13.73	66.0	20.0	5.2	47	0.3	12.3	0.5	73	0.05	0.315	11
1383341	Soil Pulp	2.0	173.7	14.7	115	1.5	40.5	4.4	119	13.73	138.5	18.0	3.2	18	0.1	4.7	0.4	44	0.05	0.141	8
1383342	Soil Pulp	8.6	129.6	62.4	153	2.4	34.5	6.1	193	21.53	502.5	83.6	9.8	272	0.2	31.2	1.8	92	0.04	0.385	17
1383343	Soil Pulp	3.4	116.7	24.7	943	2.1	266.4	43.5	702	14.11	657.5	72.2	6.7	174	7.4	78.9	1.6	35	0.29	0.169	32
1383608	Soil Pulp	9.3	188.9	48.1	89	4.7	12.8	1.9	29	12.45	4050	1007	7.8	58	3.0	216.4	0.7	84	0.05	0.279	28
1383609	Soil Pulp	7.7	160.8	23.2	119	2.4	37.2	6.6	85	4.49	151.7	30.2	0.5	16	0.6	26.2	0.6	71	0.03	0.236	6
1383610	Soil Pulp	26.4	139.2	17.9	33	1.7	18.2	1.3	65	3.71	213.5	18.4	0.5	107	0.3	15.2	0.3	73	0.04	0.297	7
1383611	Soil Pulp	18.6	122.4	23.9	2250	7.6	164.2	20.7	511	3.34	54.8	15.6	2.5	325	10.3	8.3	0.3	473	0.58	0.445	12
1383612	Soil Pulp	0.5	43.6	7.2	250	0.7	54.6	6.1	321	2.31	6.7	2.1	0.6	103	6.1	4.1	<0.1	28	0.37	0.063	5
1383613	Soil Pulp	0.9	13.4	3.2	47	0.6	5.1	2.6	144	1.55	14.1	1.4	<0.1	8	0.5	1.5	<0.1	16	0.05	0.067	2
1383614	Soil Pulp	3.7	193.5	26.5	116	3.6	21.3	4.0	87	16.62	179.2	56.7	3.1	75	0.3	11.3	0.9	80	0.05	0.468	8
1383615	Soil Pulp	2.6	35.0	4.9	44	0.3	11.2	1.1	36	2.80	74.3	6.6	0.5	6	<0.1	4.3	0.2	37	0.03	0.062	6
1383616	Soil Pulp	0.1	16.0	3.1	46	0.9	17.3	1.9	128	3.25	33.1	28.7	0.8	18	0.5	0.6	0.1	2	0.46	0.029	3
1383617	Soil Pulp	1.7	174.2	15.1	414	1.2	156.9	16.2	351	9.53	726.1	30.8	1.7	28	3.0	22.0	0.2	38	0.08	0.141	9
1383618	Soil Pulp	13.6	301.3	54.9	135	3.6	34.6	5.3	286	12.17	>10000	5679	13.9	37	2.7	164.4	1.2	143	0.03	0.383	47
1383619	Soil Pulp	7.9	176.9	44.5	139	3.3	25.0	4.1	355	15.47	>10000	3261	9.9	31	0.8	61.8	1.2	172	0.02	0.297	27
1383620	Soil Pulp	5.7	320.7	30.3	192	2.3	40.6	5.7	207	14.80	2948	871.2	9.7	75	1.5	122.9	0.7	144	0.01	0.299	38
1383621	Soil Pulp	9.1	302.4	122.8	279	2.3	70.0	7.0	177	14.84	7687	2655	9.2	64	2.7	482.5	1.8	140	0.02	0.386	19
1383622	Soil Pulp	22.0	108.6	39.0	64	2.5	20.0	3.3	181	5.05	359.9	47.8	4.0	88	0.3	36.1	0.5	115	0.03	0.318	12
1383623	Soil Pulp	10.4	153.7	26.6	146	1.5	43.7	6.5	153	5.99	415.4	52.9	3.8	23	0.9	43.1	0.6	92	0.03	0.359	8
1383624	Soil Pulp	5.6	137.3	14.2	94	1.3	21.9	3.5	70	3.89	474.1	15.1	0.3	18	0.7	22.1	0.4	59	0.03	0.165	6

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Page: 5 of 6 Part 2

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1383331	Soil Pulp	85	0.66	149	0.077	2	2.37	0.004	0.08	0.9	0.05	1.9	0.1	<0.05	6	1.1	<0.2
1383332	Soil Pulp	39	0.18	468	0.023	4	1.22	0.009	0.12	1.4	0.12	2.0	0.2	0.21	4	9.8	<0.2
1383333	Soil Pulp	50	0.17	703	0.076	2	3.23	0.005	0.14	<0.1	0.07	11.6	0.7	0.24	10	16.1	<0.2
1383334	Soil Pulp	33	0.06	739	0.012	1	1.67	0.004	0.06	1.6	0.07	4.1	0.2	0.06	5	8.6	<0.2
1383335	Soil Pulp	38	0.23	416	0.035	2	3.25	0.007	0.21	0.5	0.09	3.6	0.5	0.25	7	10.7	<0.2
1383336	Soil Pulp	4	0.02	325	0.021	<1	0.33	0.019	0.02	0.2	0.04	0.2	<0.1	<0.05	1	0.7	<0.2
1383337	Soil Pulp	21	0.13	240	0.027	3	1.35	0.004	0.04	0.5	0.06	1.5	0.3	<0.05	6	3.4	<0.2
1383338	Soil Pulp	20	0.11	385	0.017	<1	3.57	0.004	0.05	1.7	0.18	1.8	0.2	<0.05	3	8.1	<0.2
1383339	Soil Pulp	16	0.11	1050	0.015	2	1.13	0.004	0.05	1.1	0.17	1.4	0.1	0.07	2	6.4	<0.2
1383340	Soil Pulp	32	0.09	276	0.025	1	0.75	0.017	0.11	1.4	0.10	1.6	0.2	0.25	4	18.7	0.3
1383341	Soil Pulp	28	0.24	150	0.042	1	1.21	0.004	0.08	0.8	0.07	3.4	0.1	0.18	4	9.4	0.3
1383342	Soil Pulp	80	0.34	123	0.056	<1	3.41	0.160	0.28	5.4	0.04	3.5	0.3	1.71	8	30.3	0.7
1383343	Soil Pulp	21	0.15	345	0.006	2	1.65	0.013	0.07	3.3	0.02	5.9	0.1	0.10	3	4.7	<0.2
1383608	Soil Pulp	28	0.02	532	0.013	<1	0.62	0.004	0.10	1.2	0.08	5.6	0.3	0.22	4	12.0	0.2
1383609	Soil Pulp	24	0.09	185	0.009	<1	1.77	0.003	0.05	0.9	0.28	1.7	0.2	0.21	4	12.9	<0.2
1383610	Soil Pulp	15	0.07	199	0.006	2	1.51	0.014	0.33	1.0	0.19	0.9	0.4	0.74	3	24.2	<0.2
1383611	Soil Pulp	28	0.21	4084	0.035	4	3.90	0.012	0.08	0.8	0.90	3.7	0.2	0.08	7	17.3	<0.2
1383612	Soil Pulp	13	0.02	>10000	0.010	2	1.42	0.004	0.04	<0.1	0.07	4.5	0.1	<0.05	1	1.7	<0.2
1383613	Soil Pulp	4	0.03	220	0.011	<1	0.26	0.009	0.02	0.2	0.06	0.3	<0.1	0.07	2	1.4	<0.2
1383614	Soil Pulp	46	0.12	347	0.045	<1	2.15	0.013	0.14	0.4	0.20	2.3	0.3	0.52	6	11.2	0.6
1383615	Soil Pulp	9	0.02	51	0.009	<1	0.14	<0.001	0.01	0.6	0.06	0.4	<0.1	<0.05	2	3.3	<0.2
1383616	Soil Pulp	2	0.06	99	0.002	<1	0.11	<0.001	<0.01	<0.1	0.02	0.4	<0.1	0.08	<1	1.4	<0.2
1383617	Soil Pulp	24	0.41	118	0.010	<1	1.97	0.003	0.02	0.5	0.07	1.3	<0.1	0.06	3	2.2	<0.2
1383618	Soil Pulp	55	0.30	319	0.052	8	2.14	0.003	0.17	1.4	0.08	9.3	1.5	0.29	7	28.6	0.7
1383619	Soil Pulp	60	0.77	452	0.096	<1	2.17	0.005	0.36	1.3	0.06	12.0	1.3	0.48	9	17.5	0.7
1383620	Soil Pulp	49	0.38	439	0.073	<1	2.46	0.003	0.29	0.3	0.05	11.5	1.2	0.25	7	18.2	0.4
1383621	Soil Pulp	46	0.31	361	0.051	<1	2.94	0.003	0.11	0.8	0.15	9.9	0.7	0.36	5	24.5	0.6
1383622	Soil Pulp	22	0.11	667	0.015	<1	1.34	0.011	0.21	1.3	0.12	2.7	0.3	0.36	4	28.8	0.4
1383623	Soil Pulp	29	0.18	278	0.016	<1	2.01	0.003	0.05	1.1	0.15	2.9	0.2	<0.05	4	10.9	0.3
1383624	Soil Pulp	18	0.07	166	0.007	<1	1.12	0.010	0.03	1.0	0.10	0.4	0.1	<0.05	4	5.5	<0.2

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 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: November 27, 2011

Page: 6 of 6 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11004726.1**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1383625	Soil Pulp	6.9	120.1	21.7	90	1.0	19.5	3.7	189	5.31	2658	699.6	4.0	26	1.0	47.5	0.5	72	0.04	0.181	15
1383626	Soil Pulp	8.2	166.9	33.4	117	4.9	20.6	2.8	104	7.91	1102	129.2	1.3	39	1.0	83.4	0.6	100	0.03	0.211	20
1385293	Soil Pulp	2.7	71.4	9.1	52	16.8	9.4	1.7	71	2.77	69.7	43.8	0.2	16	0.1	96.8	0.2	41	0.03	0.078	4
1385294	Soil Pulp	4.6	73.1	13.6	78	0.8	17.2	3.5	108	4.31	101.4	48.5	0.5	16	0.2	23.2	0.4	69	0.01	0.089	8
1385295	Soil Pulp	2.8	52.5	11.9	90	0.6	25.1	5.0	166	4.95	94.3	32.8	1.2	16	0.2	27.8	0.2	32	0.03	0.123	6
1385296	Soil Pulp	0.8	18.0	7.3	148	0.4	28.2	8.7	502	2.46	35.7	3.7	0.4	26	0.7	5.5	0.1	25	0.32	0.140	9
1385297	Soil Pulp	3.9	105.0	17.3	248	0.9	82.9	10.8	233	10.66	228.6	14.0	3.0	55	0.7	17.3	0.3	63	0.03	0.172	11
1385298	Soil Pulp	0.7	87.8	7.9	332	0.9	128.0	19.1	370	4.06	77.2	18.6	1.4	38	1.7	11.8	0.2	11	0.45	0.081	10
1385299	Soil Pulp	4.3	68.5	10.9	79	0.3	11.5	1.5	28	8.88	877.4	26.8	0.8	12	0.3	10.4	0.4	76	0.02	0.111	7
1385300	Soil Pulp	0.3	14.6	5.6	113	1.3	32.4	8.1	213	2.43	41.3	11.3	1.2	13	1.6	1.2	<0.1	3	0.28	0.040	9

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**Project:** CCJV  
**Report Date:** November 27, 2011

**Page:** 6 of 6 **Part** 2

**CERTIFICATE OF ANALYSIS**

**VAN11004726.1**

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1383625	Soil Pulp	24	0.18	226	0.024	<1	1.27	0.006	0.06	1.3	0.08	2.3	0.4	0.05	5	10.2	0.3
1383626	Soil Pulp	26	0.05	350	0.022	<1	0.94	0.004	0.09	0.4	0.14	1.8	0.3	0.13	4	12.7	0.4
1385293	Soil Pulp	13	0.03	160	0.013	<1	0.35	0.002	0.02	1.8	0.23	0.3	<0.1	<0.05	3	5.0	<0.2
1385294	Soil Pulp	16	0.07	92	0.020	<1	0.74	0.002	0.02	1.9	0.07	0.7	0.1	<0.05	6	4.4	<0.2
1385295	Soil Pulp	16	0.18	114	0.015	<1	0.86	0.004	0.04	1.5	0.05	1.0	<0.1	<0.05	3	6.0	<0.2
1385296	Soil Pulp	13	0.26	241	0.008	<1	1.36	0.007	0.02	0.5	0.03	0.6	<0.1	<0.05	4	1.4	<0.2
1385297	Soil Pulp	37	0.29	286	0.028	<1	2.58	0.010	0.11	0.5	0.06	3.0	0.2	0.07	4	5.3	<0.2
1385298	Soil Pulp	12	0.16	181	0.011	1	0.93	0.003	0.02	0.2	0.06	1.3	<0.1	0.08	1	1.7	<0.2
1385299	Soil Pulp	25	0.01	53	0.023	<1	0.39	0.002	0.01	0.6	0.05	0.7	<0.1	0.08	5	10.8	<0.2
1385300	Soil Pulp	6	0.13	98	0.007	4	0.51	<0.001	<0.01	0.1	0.03	0.9	<0.1	0.11	<1	1.1	<0.2

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Project: CCJV  
 Report Date: November 27, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

VAN11004726.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
Pulp Duplicates																					
1185581	Soil Pulp	4.8	73.5	21.7	124	1.0	20.1	4.0	374	2.91	153.8	10.6	0.2	47	1.0	18.5	0.5	35	0.28	0.146	10
REP 1185581	QC	4.5	67.1	20.8	120	1.0	20.0	3.8	340	2.81	150.1	9.2	0.3	47	1.0	18.0	0.5	35	0.28	0.139	10
1371331	Soil Pulp	2.8	51.5	10.3	98	0.5	43.4	5.6	136	4.67	77.4	9.5	0.7	26	0.2	8.1	0.2	49	0.03	0.097	9
REP 1371331	QC	2.9	51.2	10.1	92	0.5	40.9	5.1	129	4.44	76.0	7.7	0.6	25	0.2	7.9	0.2	45	0.03	0.096	9
1382303	Soil Pulp	33.2	34.8	25.0	38	3.8	7.1	1.0	100	2.33	149.0	39.7	2.2	64	0.2	18.7	0.7	95	0.10	0.390	6
REP 1382303	QC	33.9	34.8	24.3	40	3.8	7.5	1.1	103	2.35	149.8	39.9	2.2	64	0.3	18.4	0.7	98	0.10	0.396	6
1382312	Soil Pulp	6.5	87.8	20.3	176	0.8	37.6	8.6	177	4.66	395.6	63.9	2.7	33	1.4	47.4	0.4	75	0.04	0.097	17
REP 1382312	QC	6.8	87.4	20.2	182	0.8	37.6	8.9	168	4.53	399.9	103.8	2.7	33	1.4	44.7	0.4	73	0.03	0.099	17
1383325	Soil Pulp	2.6	18.0	12.6	67	0.7	13.2	3.9	175	5.31	234.5	12.0	7.8	23	0.2	13.8	0.2	50	0.05	0.078	17
REP 1383325	QC	2.7	18.5	12.0	65	0.7	12.0	3.8	172	5.21	227.2	10.5	7.5	22	0.2	13.6	0.2	47	0.05	0.075	17
1383611	Soil Pulp	18.6	122.4	23.9	2250	7.6	164.2	20.7	511	3.34	54.8	15.6	2.5	325	10.3	8.3	0.3	473	0.58	0.445	12
REP 1383611	QC	18.1	122.6	23.6	2233	7.9	163.3	19.9	503	3.30	55.4	15.1	2.7	323	11.0	8.1	0.3	470	0.58	0.453	13
1383624	Soil Pulp	5.6	137.3	14.2	94	1.3	21.9	3.5	70	3.89	474.1	15.1	0.3	18	0.7	22.1	0.4	59	0.03	0.165	6
REP 1383624	QC	5.6	142.4	14.7	99	1.3	22.6	3.6	70	3.92	476.5	14.7	0.4	19	0.6	23.1	0.3	61	0.02	0.171	6
Reference Materials																					
STD DS8	Standard	12.2	106.0	119.8	297	1.7	35.7	7.1	591	2.33	24.6	106.3	5.8	61	2.3	5.2	6.3	38	0.63	0.083	12
STD DS8	Standard	11.8	118.7	124.5	331	1.9	38.9	7.8	645	2.60	27.0	112.9	5.8	63	2.5	5.6	6.6	41	0.68	0.087	12
STD DS8	Standard	13.6	107.9	125.6	306	1.7	38.9	7.4	612	2.45	24.2	103.7	6.7	74	2.2	5.8	6.7	45	0.69	0.080	17
STD DS8	Standard	11.4	97.5	116.1	280	1.6	34.3	7.0	590	2.33	24.1	104.0	6.2	65	2.1	5.0	6.1	40	0.65	0.071	14
STD DS8	Standard	12.7	106.9	119.1	297	1.7	36.8	7.3	614	2.38	26.2	109.2	6.4	67	2.3	5.5	6.5	41	0.68	0.076	15
STD DS8	Standard	13.7	114.5	130.3	310	1.8	39.4	7.9	617	2.51	25.8	105.0	7.6	74	2.3	5.6	6.7	44	0.71	0.078	18
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Project: CCJV  
 Report Date: November 27, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

VAN11004726.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
1185581	Soil Pulp	13	0.09	222	0.006	1	0.54	0.006	0.08	0.5	0.08	0.5	0.1	0.16	2	4.0	<0.2
REP 1185581	QC	13	0.08	229	0.006	2	0.52	0.006	0.08	0.5	0.09	0.4	0.1	0.16	2	3.6	<0.2
1371331	Soil Pulp	25	0.20	105	0.027	<1	1.87	0.012	0.06	0.5	0.04	1.2	0.1	0.10	5	3.6	<0.2
REP 1371331	QC	24	0.20	101	0.026	1	1.84	0.013	0.06	0.4	0.05	1.2	0.1	0.09	5	3.1	<0.2
1382303	Soil Pulp	21	0.06	329	0.010	<1	0.53	0.007	0.12	1.6	0.11	1.7	0.3	0.14	3	24.0	0.6
REP 1382303	QC	21	0.06	319	0.010	<1	0.52	0.007	0.12	1.5	0.10	1.7	0.2	0.15	3	23.8	0.5
1382312	Soil Pulp	25	0.26	220	0.021	1	1.34	0.005	0.07	0.4	0.09	2.3	0.2	0.05	5	6.3	0.2
REP 1382312	QC	24	0.26	227	0.019	1	1.38	0.005	0.07	0.4	0.08	2.0	0.2	0.06	4	6.4	<0.2
1383325	Soil Pulp	13	0.25	147	0.075	2	1.64	0.011	0.08	1.6	0.07	2.9	0.2	0.09	7	3.0	<0.2
REP 1383325	QC	13	0.24	139	0.073	2	1.60	0.010	0.08	1.5	0.08	2.8	0.1	0.09	7	2.8	0.3
1383611	Soil Pulp	28	0.21	4084	0.035	4	3.90	0.012	0.08	0.8	0.90	3.7	0.2	0.08	7	17.3	<0.2
REP 1383611	QC	28	0.21	4049	0.035	2	4.03	0.011	0.08	0.6	0.88	3.7	0.3	0.08	7	16.8	<0.2
1383624	Soil Pulp	18	0.07	166	0.007	<1	1.12	0.010	0.03	1.0	0.10	0.4	0.1	<0.05	4	5.5	<0.2
REP 1383624	QC	19	0.07	175	0.007	<1	1.21	0.007	0.03	0.9	0.11	0.4	0.2	<0.05	4	5.3	<0.2
Reference Materials																	
STD DS8	Standard	108	0.59	269	0.100	2	0.92	0.099	0.43	2.8	0.18	2.1	5.4	0.18	5	4.9	5.1
STD DS8	Standard	120	0.65	276	0.101	2	0.95	0.113	0.47	3.1	0.20	1.9	5.6	0.15	5	5.3	5.1
STD DS8	Standard	117	0.62	296	0.123	4	0.95	0.098	0.44	2.9	0.20	2.7	5.4	0.17	5	5.9	4.7
STD DS8	Standard	106	0.53	255	0.112	2	0.81	0.088	0.37	2.6	0.18	2.2	5.0	0.15	4	4.1	4.5
STD DS8	Standard	112	0.56	279	0.119	3	0.88	0.104	0.42	2.7	0.19	2.4	5.3	0.15	4	5.1	4.5
STD DS8	Standard	121	0.62	286	0.132	2	0.99	0.115	0.43	2.9	0.20	2.4	5.5	0.15	5	4.6	5.0
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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**Client:** Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Submitted By: K. Wayne Livingstone  
Receiving Lab: Canada-Whitehorse  
Received: July 22, 2011  
Report Date: August 03, 2011  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI11000696.1

### CLIENT JOB INFORMATION

Project: CCJV  
Shipment ID:  
P.O. Number: X-02  
Number of Samples: 14

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	14	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	14	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	14	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 90 days Invoice for Storage

### 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: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Bob Thomas  
J. Garfield MacVeigh  
Darwin Green  
Liz Cornejo



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Client: **Carlin Gold Corporation**  
 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: August 03, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11000696.1

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
54599	Rock	1.32	336	0.3	6.3	2.5	3	1.4	0.8	0.2	28	0.66	239.5	87.2	0.5	13	<0.1	11.9	<0.1	7	<0.01
54600	Rock	1.46	<2	0.2	7.5	1.1	9	0.1	4.4	0.8	29	0.32	22.1	8.0	0.5	25	<0.1	2.5	<0.1	<2	0.05
54601	Rock	1.33	<2	1.7	41.8	7.3	113	1.4	52.2	8.8	62	2.25	35.6	4.7	8.5	42	0.6	4.3	0.3	39	0.29
54602	Rock	1.56	<2	0.9	1.5	4.7	50	1.4	5.3	15.4	375	4.82	104.9	5.1	6.8	32	<0.1	3.7	0.2	74	0.42
55067	Rock	1.19	<2	0.2	59.7	16.7	41	<0.1	23.4	5.2	227	3.01	1.4	1.1	1.4	48	<0.1	0.6	0.3	14	0.07
55068	Rock	0.90	<2	0.4	12.6	7.9	41	0.1	17.4	2.5	291	1.65	4.8	1.6	1.0	16	<0.1	5.7	<0.1	14	0.02
55251	Rock	0.60	<2	0.4	7.8	4.5	147	<0.1	9.7	1.6	1216	4.12	2.5	<0.5	0.2	498	0.6	0.3	<0.1	3	11.22
55252	Rock	1.69	<2	24.3	88.5	1.2	128	2.7	9.7	0.3	27	1.89	228.0	<0.5	0.5	66	0.6	119.1	<0.1	157	0.04

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 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: August 03, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

WHI11000696.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	
54599	Rock	0.008	3	3	<0.01	213	<0.001	<20	0.07	<0.001	<0.01	<0.1	0.10	<0.1	<0.05	0.3	2.5	<1	<0.2
54600	Rock	0.023	4	3	0.03	1357	<0.001	<20	0.13	0.002	0.01	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
54601	Rock	0.055	21	23	0.54	275	0.019	<20	1.28	0.054	0.32	<0.1	0.01	0.3	1.30	3.7	5.2	3	<0.2
54602	Rock	0.045	12	7	1.42	109	0.237	<20	1.83	0.128	0.68	0.2	<0.01	0.4	3.23	14.6	11.4	9	<0.2
55067	Rock	0.038	6	12	0.60	251	0.003	<20	1.02	0.005	0.09	<0.1	<0.01	<0.1	0.70	1.4	1.7	4	<0.2
55068	Rock	0.011	3	10	0.44	232	0.002	<20	0.74	<0.001	0.01	<0.1	<0.01	<0.1	<0.05	0.6	1.0	2	<0.2
55251	Rock	0.009	1	<1	4.57	191	<0.001	<20	0.03	0.002	0.01	<0.1	0.20	<0.1	<0.05	0.4	<0.5	<1	<0.2
55252	Rock	0.222	5	21	0.03	712	0.002	<20	0.24	<0.001	0.02	0.2	3.24	<0.1	<0.05	1.5	35.1	3	0.3

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Project: CCJV  
 Report Date: August 03, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

WHI11000696.1

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
54594	Rock	1.41	40	0.1	14.2	9.1	6	0.3	1.4	0.7	35	0.89	129.7	34.6	2.7	39	<0.1	2.3	0.4	<2	0.75
REP 54594	QC			0.1	13.7	9.2	5	0.3	1.3	0.7	33	0.88	118.4	33.1	2.7	39	<0.1	2.4	0.3	<2	0.75
Reference Materials																					
STD DS8	Standard		12.8	106.4	123.2	294	1.7	37.2	7.6	596	2.43	25.0	127.6	6.7	76	2.1	5.0	7.3	39	0.67	
STD OREAS45CA	Standard		0.9	509.9	24.2	57	0.3	245.0	94.4	973	16.40	4.7	49.4	7.9	23	<0.1	<0.1	0.3	228	0.43	
STD OXC88	Standard	203																			
STD OXH82	Standard	1342																			
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7	
STD OREAS45CA Expected			1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265	
STD OXC88 Expected		203																			
STD OXH82 Expected		1278																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank	<2																			
BLK	Blank	<2																			
Prep Wash																					
G1	Prep Blank	<2	0.1	1.5	3.3	47	<0.1	3.7	4.4	586	2.03	4.9	1.9	5.4	80	<0.1	2.0	<0.1	35	0.53	
G1	Prep Blank	<2	0.2	2.7	3.1	45	<0.1	3.9	4.5	588	1.96	1.6	<0.5	5.8	73	<0.1	0.5	<0.1	35	0.46	

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**Project:** CCJV  
**Report Date:** August 03, 2011

**Page:** 1 of 1 Part 2

QUALITY CONTROL REPORT

WHI11000696.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	
Pulp Duplicates																				
54594	Rock	0.002	1	<1	<0.01	21	<0.001	<20	0.18	0.026	0.15	0.2	0.11	<0.1	0.68	0.2	2.0	<1	<0.2	
REP 54594	QC	0.002	1	<1	<0.01	21	<0.001	<20	0.17	0.027	0.14	0.3	0.11	<0.1	0.68	0.2	1.9	<1	<0.2	
Reference Materials																				
STD DS8	Standard	0.072	13	115	0.59	279	0.114	<20	0.88	0.079	0.38	2.4	0.20	5.6	0.15	1.7	5.5	4	4.5	
STD OREAS45CA	Standard	0.037	16	630	0.16	160	0.143	<20	3.62	0.007	0.07	<0.1	0.03	<0.1	<0.05	35.5	<0.5	18	<0.2	
STD OXC88	Standard																			
STD OXH82	Standard																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	5	
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4		
STD OXC88 Expected																				
STD OXH82 Expected																				
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2	
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
G1	Prep Blank	0.079	9	7	0.61	221	0.141	<20	1.05	0.092	0.50	<0.1	<0.01	0.3	<0.05	1.8	<0.5	5	<0.2	
G1	Prep Blank	0.080	9	5	0.61	222	0.151	<20	1.02	0.084	0.49	<0.1	<0.01	0.4	<0.05	1.8	<0.5	5	<0.2	

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**Client:** Carlin Gold Corporation  
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Submitted By: K. Wayne Livingstone  
Receiving Lab: Canada-Whitehorse  
Received: August 08, 2011  
Report Date: September 21, 2011  
Page: 1 of 3

## CERTIFICATE OF ANALYSIS

WHI11000903.1

### CLIENT JOB INFORMATION

Project: CCJV  
Shipment ID:  
P.O. Number: X-04  
Number of Samples: 46

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	46	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	46	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	46	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 90 days Invoice for Storage

### 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: Carlin Gold Corporation  
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Canada

CC: Bob Thomas  
J. Garfield MacVeigh  
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Project: CCJV  
 Report Date: September 21, 2011

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

WHI11000903.1

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
54762	Rock	1.22	<2	5.6	79.8	13.5	76	0.3	49.3	16.1	249	3.79	11.7	0.8	3.4	17	0.1	<0.1	0.6	46	0.20
54763	Rock	1.23	<2	8.3	97.7	20.0	124	0.4	68.1	23.5	150	4.59	13.3	7.0	3.5	13	0.2	0.1	0.8	37	0.09
54764	Rock	1.21	14	3.0	126.0	4.6	121	0.2	28.4	9.3	1977	7.74	50.0	12.2	3.1	110	<0.1	0.1	0.3	42	0.74
54765	Rock	1.19	257	0.2	40.1	8.4	91	0.1	24.1	4.8	81	1.98	6510	245.3	2.2	94	<0.1	12.1	0.3	20	0.68
54766	Rock	1.23	<2	6.5	184.8	3.7	77	0.7	33.6	13.1	431	5.29	16.3	11.4	4.7	66	0.1	1.2	0.7	36	3.35
54767	Rock	0.85	9	2.9	53.3	14.7	137	0.8	64.6	19.4	168	3.80	9.0	4.0	6.0	11	0.4	1.0	0.8	26	0.22
54768	Rock	1.30	<2	0.5	29.8	9.4	38	0.3	40.4	7.2	2404	6.28	1.6	2.7	2.0	589	<0.1	0.4	0.3	40	1.53
54769	Rock	1.19	126	8.8	40.9	25.0	25	3.7	21.1	5.7	54	3.31	1521	119.9	0.5	<1	<0.1	66.4	0.3	10	<0.01
54770	Rock	1.34	1883	0.4	59.8	5.3	18	1.3	10.7	1.8	76	1.69	3956	917.4	2.1	11	<0.1	77.4	0.3	25	0.01
54771	Rock	0.85	18	1.1	79.7	9.6	25	0.9	52.4	8.8	15	1.06	15.8	<0.5	6.1	9	<0.1	3.4	0.3	15	0.12
54772	Rock	0.91	12	0.5	6.5	6.9	8	1.0	3.2	0.4	43	1.06	16.4	2.5	0.3	9	<0.1	3.5	<0.1	6	0.03
54773	Rock	0.94	<2	0.3	20.9	4.5	5	0.4	6.4	1.3	31	1.29	8.1	2.9	2.3	5	<0.1	1.8	0.3	9	<0.01
54774	Rock	1.00	13	0.5	30.6	6.2	11	1.5	11.9	1.7	212	4.65	<0.5	13.7	0.6	58	0.2	1.4	<0.1	4	2.21
54775	Rock	0.96	<2	0.3	2.1	1.7	1	<0.1	5.2	0.6	131	0.70	7.1	2.7	0.3	439	<0.1	0.6	<0.1	2	16.72
54776	Rock	1.13	6	0.2	12.6	5.1	16	0.7	8.9	1.1	105	3.45	3.4	6.5	0.3	94	<0.1	2.1	<0.1	<2	2.06
54777	Rock	0.81	310	0.2	58.3	3.3	10	0.8	3.5	1.2	55	0.72	1196	250.8	<0.1	35	0.3	36.0	<0.1	2	0.06
54778	Rock	0.70	6	0.3	3.7	2.8	17	0.2	6.0	0.4	21	0.63	139.8	8.1	0.5	5	0.4	1.2	<0.1	2	<0.01
54779	Rock	0.94	2	0.3	5.8	2.2	9	0.4	2.1	0.3	60	0.79	38.2	3.0	0.5	7	<0.1	0.7	<0.1	4	<0.01
54996	Rock	1.15	<2	0.4	2.6	2.0	33	<0.1	7.5	1.1	64	0.62	3.1	2.1	0.6	2	<0.1	0.1	0.1	3	<0.01
54997	Rock	0.67	<2	0.4	6.3	2.1	553	<0.1	20.3	5.4	1458	5.00	1.6	1.1	0.8	255	5.6	0.1	<0.1	9	2.80
54998	Rock	1.53	<2	0.1	1.4	2.7	8	<0.1	1.9	0.4	24	0.41	6.3	0.7	0.4	<1	<0.1	0.5	<0.1	<2	<0.01
54999	Rock	1.54	<2	0.4	6.7	7.5	47	0.1	9.2	1.9	359	2.90	5.3	1.9	0.7	183	0.3	0.2	<0.1	6	9.08
55000	Rock	1.37	<2	0.3	3.5	5.4	51	0.1	9.6	2.0	340	3.12	3.2	<0.5	0.7	150	0.4	0.1	<0.1	6	6.70
55001	Rock	1.50	<2	0.3	9.4	29.3	82	0.1	15.1	3.0	1151	5.98	124.1	<0.5	0.3	107	0.4	0.4	<0.1	6	6.72
55002	Rock	1.44	<2	1.5	19.5	11.5	71	0.1	15.1	1.5	29	0.95	14.6	1.3	1.0	17	0.4	1.5	<0.1	13	0.04
55090	Rock	0.84	21	<0.1	3.2	55.1	71	0.4	5.9	2.5	226	0.41	40.7	18.9	5.9	9	0.4	9.9	4.6	<2	0.22
55091	Rock	0.80	<2	0.4	30.3	4.1	46	<0.1	24.8	9.4	144	1.21	4.0	1.5	2.1	10	<0.1	0.2	0.2	3	0.10
55092	Rock	0.98	4	1.4	22.8	4.4	23	0.1	11.1	3.6	76	0.84	9.7	2.4	0.6	23	0.1	0.6	0.1	3	0.05
55093	Rock	0.90	<2	0.6	27.8	8.0	49	0.1	20.8	5.3	657	1.72	3.3	<0.5	1.4	28	0.2	0.4	0.1	9	0.14
55094	Rock	0.79	10	1.0	27.9	12.5	27	0.6	10.7	2.4	61	1.88	7.9	1.3	1.4	26	0.1	1.3	0.2	11	0.04

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Project: CCJV  
 Report Date: September 21, 2011

Page: 2 of 3 Part 2

CERTIFICATE OF ANALYSIS

WHI11000903.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	
54762	Rock	0.052	10	33	0.79	201	0.008	<20	1.51	0.019	0.33	<0.1	0.01	0.2	1.25	4.6	1.8	4	<0.2
54763	Rock	0.046	12	17	0.86	89	0.004	<20	1.51	0.021	0.32	<0.1	<0.01	0.2	2.09	3.4	2.2	4	0.3
54764	Rock	0.287	8	7	2.13	845	0.186	<20	4.48	0.100	1.80	0.5	<0.01	1.3	0.33	2.2	1.1	16	<0.2
54765	Rock	0.026	6	26	0.49	61	0.010	<20	1.83	0.026	0.21	0.8	<0.01	0.2	0.83	2.6	2.6	5	<0.2
54766	Rock	0.084	16	18	2.24	78	0.098	<20	2.23	0.023	0.21	47.3	<0.01	0.1	2.55	4.0	5.7	6	0.3
54767	Rock	0.102	16	15	0.73	132	0.003	<20	1.25	0.009	0.36	<0.1	0.02	0.2	2.64	1.9	1.9	3	<0.2
54768	Rock	0.031	5	23	0.94	44	0.077	<20	3.10	0.104	0.14	0.3	<0.01	0.1	2.50	2.1	3.5	6	<0.2
54769	Rock	0.011	2	15	0.19	14	0.002	<20	0.40	0.001	0.06	<0.1	0.14	0.8	2.69	0.8	26.9	2	<0.2
54770	Rock	0.011	13	28	0.28	295	0.014	<20	0.82	<0.001	0.10	<0.1	0.02	<0.1	0.24	1.2	65.0	3	0.3
54771	Rock	0.026	5	11	0.16	447	0.049	<20	0.57	0.006	0.18	0.1	0.01	0.1	0.63	1.2	3.6	1	<0.2
54772	Rock	0.005	1	7	0.03	113	0.004	<20	0.05	0.001	<0.01	0.2	0.05	<0.1	0.53	0.3	2.3	<1	<0.2
54773	Rock	0.007	11	7	0.01	159	0.002	<20	0.37	0.003	0.14	0.1	0.32	0.1	0.92	0.9	1.0	1	<0.2
54774	Rock	0.024	<1	5	0.38	18	0.013	<20	0.20	<0.001	<0.01	0.3	<0.01	<0.1	2.56	0.5	15.8	<1	<0.2
54775	Rock	0.022	2	3	0.08	128	0.007	<20	0.15	0.001	<0.01	<0.1	<0.01	<0.1	0.24	0.8	0.9	<1	<0.2
54776	Rock	0.016	1	4	0.17	36	0.009	<20	0.12	<0.001	<0.01	0.2	<0.01	<0.1	1.94	0.4	4.8	<1	<0.2
54777	Rock	0.007	<1	6	<0.01	1133	<0.001	<20	0.05	0.001	<0.01	<0.1	0.26	0.1	0.21	1.4	17.4	<1	<0.2
54778	Rock	0.007	4	6	<0.01	83	<0.001	<20	0.09	<0.001	0.02	<0.1	0.04	<0.1	<0.05	0.3	1.3	<1	<0.2
54779	Rock	0.008	<1	11	0.04	52	<0.001	<20	0.17	<0.001	0.01	<0.1	0.01	<0.1	<0.05	0.7	1.8	<1	<0.2
54996	Rock	0.005	1	6	0.02	214	<0.001	<20	0.14	0.006	0.04	<0.1	<0.01	<0.1	<0.05	0.7	<0.5	<1	<0.2
54997	Rock	0.017	3	5	1.09	436	<0.001	<20	0.12	0.002	0.03	<0.1	0.29	<0.1	<0.05	5.6	<0.5	<1	<0.2
54998	Rock	0.003	3	6	<0.01	24	<0.001	<20	0.04	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
54999	Rock	0.064	2	10	1.37	161	<0.001	<20	0.09	0.003	0.02	<0.1	0.02	<0.1	<0.05	0.9	<0.5	<1	<0.2
55000	Rock	0.061	2	10	1.11	169	<0.001	<20	0.06	0.002	0.02	<0.1	0.01	<0.1	<0.05	0.9	<0.5	<1	<0.2
55001	Rock	0.013	2	7	0.90	126	<0.001	<20	0.30	<0.001	<0.01	<0.1	0.04	<0.1	0.20	0.7	1.9	<1	<0.2
55002	Rock	0.062	3	8	0.02	158	0.001	<20	0.14	<0.001	0.07	<0.1	0.37	<0.1	0.08	0.6	4.3	<1	<0.2
55090	Rock	0.013	9	2	0.15	117	<0.001	<20	0.37	0.001	0.22	<0.1	0.58	0.2	0.30	0.4	2.1	<1	<0.2
55091	Rock	0.023	8	8	0.19	258	0.003	<20	0.43	0.011	0.12	<0.1	<0.01	<0.1	0.68	0.6	<0.5	1	<0.2
55092	Rock	0.006	2	5	0.11	202	0.006	<20	0.20	0.002	0.04	<0.1	<0.01	<0.1	0.20	0.5	<0.5	1	<0.2
55093	Rock	0.008	8	7	0.20	350	0.001	<20	0.24	0.002	0.08	<0.1	0.10	<0.1	0.17	1.2	1.3	<1	<0.2
55094	Rock	0.012	6	10	0.17	293	0.002	<20	0.39	0.005	0.16	<0.1	0.07	<0.1	0.66	1.3	2.6	2	0.2

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Project: CCJV  
 Report Date: September 21, 2011

Page: 3 of 3 Part 1

CERTIFICATE OF ANALYSIS

WHI11000903.1

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55095	Rock	0.83	5	0.9	32.5	13.4	33	0.2	15.1	4.0	83	2.81	5.9	4.5	5.3	7	0.1	0.7	0.2	9	0.01
55096	Rock	1.05	417	0.3	4.9	5.6	9	1.1	1.2	0.3	28	0.62	542.8	432.1	1.8	4	<0.1	11.7	0.3	<2	0.02
55097	Rock	0.95	7	4.6	48.2	1.6	119	0.3	68.5	20.3	178	4.02	33.1	6.3	3.4	14	0.2	0.7	0.3	41	0.09
55098	Rock	0.68	<2	68.5	30.8	17.8	39	1.7	2.9	1.8	117	5.13	87.2	0.6	4.0	321	1.3	40.0	0.2	358	0.13
55099	Rock	0.83	<2	6.9	19.6	25.8	39	1.4	16.6	0.5	43	0.51	19.7	1.4	0.4	31	0.6	5.0	<0.1	54	0.10
55100	Rock	0.72	<2	0.9	17.6	8.7	41	3.2	2.1	0.4	30	0.37	12.7	1.4	0.5	6	0.2	9.2	<0.1	4	<0.01
55101	Rock	0.97	5	0.4	23.7	11.5	13	0.3	10.4	2.3	18	1.31	3.4	<0.5	3.0	23	<0.1	1.4	0.2	4	0.09
55102	Rock	0.99	<2	5.1	6.7	115.4	99	1.2	11.1	0.4	17	0.26	14.1	2.7	2.7	11	1.0	21.0	1.0	2	0.13
55103	Rock	1.01	<2	4.5	13.7	5.2	257	<0.1	32.3	2.8	66	1.21	5.7	<0.5	1.2	12	0.7	1.5	<0.1	2	0.06
55104	Rock	1.12	<2	0.2	157.1	21.4	18	0.1	1.6	0.2	234	0.22	<0.5	<0.5	<0.1	669	<0.1	0.6	<0.1	<2	6.54
55105	Rock	0.80	10	6.3	129.5	314.6	933	5.3	57.1	3.1	310	4.40	60.0	<0.5	2.2	254	3.2	25.1	0.2	99	5.90
54605	Rock	1.54	9	0.5	33.2	13.3	137	0.5	51.1	10.6	21	1.93	7.4	<0.5	1.8	24	1.1	1.1	0.3	13	0.17
54606	Rock	1.54	10	6.6	167.6	11.5	69	0.2	55.4	15.4	178	2.46	15.0	2.1	0.4	28	<0.1	0.3	0.3	12	0.09
55255	Rock	1.02	20	0.3	42.9	8.3	54	0.2	35.4	4.3	52	1.54	2.4	3.8	1.1	44	0.1	0.5	0.2	15	0.06
55265	Rock	1.36	10	1.0	6.9	5.2	2	1.3	2.1	0.2	29	0.48	15.9	<0.5	0.5	10	<0.1	4.5	<0.1	36	0.01
55266	Rock	0.57	9	1.0	20.4	2.8	27	<0.1	5.4	1.3	294	2.36	18.6	8.9	0.6	5	0.1	1.3	<0.1	17	<0.01

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Project: CCJV  
 Report Date: September 21, 2011

Page: 3 of 3 Part 2

CERTIFICATE OF ANALYSIS

WHI11000903.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	
55095	Rock	0.018	18	<1	0.50	128	0.002	<20	0.91	<0.001	0.29	<0.1	0.05	0.1	1.10	1.6	<0.5	3	<0.2
55096	Rock	0.003	2	6	0.02	69	<0.001	<20	0.17	<0.001	0.07	0.1	<0.01	<0.1	0.26	0.3	12.2	<1	<0.2
55097	Rock	0.048	11	13	0.73	106	0.034	<20	2.38	0.026	0.36	<0.1	<0.01	0.4	1.65	9.4	1.5	6	<0.2
55098	Rock	0.597	13	16	0.02	77	0.007	<20	0.20	0.006	0.54	0.4	0.19	3.1	1.16	1.1	70.8	1	0.4
55099	Rock	0.095	4	21	0.01	546	0.002	<20	0.11	<0.001	0.04	0.2	0.30	<0.1	0.09	0.5	7.2	<1	<0.2
55100	Rock	0.002	1	6	<0.01	488	<0.001	<20	0.06	<0.001	0.03	<0.1	0.27	<0.1	<0.05	0.1	3.0	<1	<0.2
55101	Rock	0.005	7	5	0.04	92	0.001	<20	0.26	<0.001	0.20	<0.1	0.07	0.2	1.06	0.4	1.8	<1	<0.2
55102	Rock	0.015	2	3	0.07	193	<0.001	<20	0.33	0.008	0.14	<0.1	1.74	0.1	0.07	0.2	1.2	<1	<0.2
55103	Rock	0.033	3	5	0.02	231	<0.001	<20	0.10	0.001	0.04	<0.1	0.07	<0.1	<0.05	1.7	<0.5	<1	<0.2
55104	Rock	0.014	1	6	0.13	69	<0.001	<20	0.02	<0.001	<0.01	<0.1	0.03	<0.1	<0.05	0.8	1.6	<1	<0.2
55105	Rock	0.656	9	117	0.23	28	0.009	<20	0.72	<0.001	0.22	0.1	2.29	1.2	4.28	3.2	49.4	2	0.3
54605	Rock	0.028	7	11	0.05	30	0.001	<20	0.60	0.010	0.25	<0.1	0.30	0.1	1.89	1.9	1.8	1	<0.2
54606	Rock	0.026	2	10	0.04	17	0.001	<20	0.61	0.008	0.24	<0.1	0.16	0.1	2.48	1.8	<0.5	1	<0.2
55255	Rock	0.018	2	26	0.32	284	0.001	<20	1.05	0.001	0.09	<0.1	0.05	<0.1	0.25	1.6	1.2	3	<0.2
55265	Rock	0.019	2	14	<0.01	501	<0.001	<20	0.11	<0.001	0.05	<0.1	2.91	0.2	0.07	0.5	5.1	<1	<0.2
55266	Rock	0.027	<1	10	0.02	226	0.001	<20	0.09	<0.001	0.03	<0.1	0.09	<0.1	<0.05	2.4	<0.5	<1	<0.2

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Project: CCJV  
 Report Date: September 21, 2011

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

WHI11000903.1

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
54772	Rock	0.91	12	0.5	6.5	6.9	8	1.0	3.2	0.4	43	1.06	16.4	2.5	0.3	9	<0.1	3.5	<0.1	6	0.03
REP 54772	QC			0.5	6.4	6.9	8	1.0	3.2	0.4	43	1.06	16.1	3.3	0.3	9	<0.1	3.9	<0.1	6	0.03
54775	Rock	0.96	<2	0.3	2.1	1.7	1	<0.1	5.2	0.6	131	0.70	7.1	2.7	0.3	439	<0.1	0.6	<0.1	2	16.72
REP 54775	QC		<2																		
55095	Rock	0.83	5	0.9	32.5	13.4	33	0.2	15.1	4.0	83	2.81	5.9	4.5	5.3	7	0.1	0.7	0.2	9	0.01
REP 55095	QC		3																		
Core Reject Duplicates																					
55002	Rock	1.44	<2	1.5	19.5	11.5	71	0.1	15.1	1.5	29	0.95	14.6	1.3	1.0	17	0.4	1.5	<0.1	13	0.04
DUP 55002	QC		4	1.5	19.0	12.2	71	0.1	16.2	1.6	37	0.98	15.9	0.7	1.0	18	0.5	1.6	<0.1	14	0.04
Reference Materials																					
STD DS8	Standard			13.0	105.7	133.4	300	1.7	36.8	7.2	566	2.34	24.1	103.8	6.7	60	2.2	4.8	6.9	38	0.64
STD DS8	Standard			15.0	110.7	132.9	333	1.9	41.5	7.3	650	2.59	27.4	140.3	6.9	74	2.2	5.5	6.9	42	0.75
STD OREAS45CA	Standard			0.8	480.7	20.6	56	0.3	228.3	89.5	884	15.28	3.5	39.0	6.6	16	<0.1	0.1	0.2	210	0.41
STD OREAS45CA	Standard			0.9	538.8	20.6	66	0.3	254.8	88.8	951	16.42	4.0	48.3	7.4	15	0.2	0.1	0.2	229	0.43
STD OXC88	Standard		202																		
STD OXC88	Standard		186																		
STD OXC88	Standard		208																		
STD OXC88	Standard		186																		
STD OXH82	Standard		1331																		
STD OXH82	Standard		1317																		
STD OXH82	Standard		1322																		
STD OXH82	Standard		1235																		
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7	
STD OREAS45CA Expected			1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265	
BLK	Blank		<2																		
BLK	Blank		<2																		

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Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

WHI11000903.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	
Pulp Duplicates																			
54772	Rock	0.005	1	7	0.03	113	0.004	<20	0.05	0.001	<0.01	0.2	0.05	<0.1	0.53	0.3	2.3	<1	<0.2
REP 54772	QC	0.005	1	7	0.03	118	0.004	<20	0.05	<0.001	<0.01	0.2	0.03	<0.1	0.54	0.4	2.4	<1	<0.2
54775	Rock	0.022	2	3	0.08	128	0.007	<20	0.15	0.001	<0.01	<0.1	<0.01	<0.1	0.24	0.8	0.9	<1	<0.2
REP 54775	QC																		
55095	Rock	0.018	18	<1	0.50	128	0.002	<20	0.91	<0.001	0.29	<0.1	0.05	0.1	1.10	1.6	<0.5	3	<0.2
REP 55095	QC																		
Core Reject Duplicates																			
55002	Rock	0.062	3	8	0.02	158	0.001	<20	0.14	<0.001	0.07	<0.1	0.37	<0.1	0.08	0.6	4.3	<1	<0.2
DUP 55002	QC	0.061	2	8	0.02	157	0.001	<20	0.15	0.002	0.07	<0.1	0.37	<0.1	0.08	0.7	4.1	<1	<0.2
Reference Materials																			
STD DS8	Standard	0.072	13	110	0.57	283	0.111	<20	0.82	0.072	0.38	2.8	0.20	5.5	0.16	1.8	5.1	4	4.9
STD DS8	Standard	0.084	17	123	0.64	305	0.120	<20	0.97	0.100	0.43	2.6	0.20	5.7	0.16	2.4	6.8	5	4.7
STD OREAS45CA	Standard	0.033	16	643	0.15	163	0.132	<20	3.49	0.006	0.07	<0.1	0.04	<0.1	<0.05	35.9	<0.5	18	<0.2
STD OREAS45CA	Standard	0.040	17	738	0.16	167	0.149	<20	4.08	0.007	0.07	<0.1	0.04	<0.1	<0.05	38.5	1.1	19	<0.2
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXC88 Expected																			
STD OXH82 Expected																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4	
BLK	Blank																		
BLK	Blank																		

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# AcmeLabs

Acme Analytical Laboratories (Vancouver) Ltd.

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Phone (604) 253-3158 Fax (604) 253-1716

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**Client:** Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

**Project:** CCJV  
**Report Date:** September 21, 2011

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

## QUALITY CONTROL REPORT

## WHI11000903.1

		WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
Prep Wash																					
G1	Prep Blank	<2	0.1	3.2	3.4	47	0.1	2.3	3.9	574	1.98	4.0	1.7	5.4	62	<0.1	<0.1	0.6	37	0.53	
G1	Prep Blank	<2	0.2	2.5	3.3	47	0.1	2.0	4.0	606	2.06	4.8	0.9	5.6	72	<0.1	<0.1	0.6	39	0.54	



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Client: **Carlin Gold Corporation**  
 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: September 21, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

WHI11000903.1

		1DX P %	1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Tl ppm	1DX S %	1DX Sc ppm	1DX Se ppm	1DX Ga ppm	1DX Te ppm	
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2	
Prep Wash																				
G1	Prep Blank	0.078	14	6	0.50	153	0.121	<20	0.96	0.103	0.47	<0.1	<0.01	0.3	<0.05	1.9	0.9	5	<0.2	
G1	Prep Blank	0.081	14	6	0.51	164	0.131	<20	0.98	0.106	0.50	<0.1	<0.01	0.3	<0.05	2.0	0.8	5	<0.2	

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**Client:** Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Submitted By: Confirmation Email List  
Receiving Lab: Canada-Whitehorse  
Received: August 24, 2011  
Report Date: October 05, 2011  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI11001273.1

### CLIENT JOB INFORMATION

Project: CCJV  
Shipment ID:  
P.O. Number: X-04  
Number of Samples: 5

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 90 days Invoice for Storage

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: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Report Email List

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	5	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	5	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	5	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

### ADDITIONAL COMMENTS



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**Client:** Carlin Gold Corporation  
 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

**Project:** CCJV  
**Report Date:** October 05, 2011

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

**CERTIFICATE OF ANALYSIS**

**WHI11001273.1**

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
54629	Rock	1.66	3	0.2	6.2	45.0	107	0.9	14.2	7.1	1759	0.88	21.9	4.8	2.0	12	0.9	1.2	0.3	<2	0.09
54630	Rock	1.34	18	8.6	921.8	2.0	1828	16.4	49.6	0.9	111	0.30	208.9	1.4	0.2	324	28.2	344.5	<0.1	183	3.26
54631	Rock	2.08	<2	33.2	160.9	0.9	225	2.1	66.3	1.0	565	0.22	34.5	0.6	0.4	1301	4.3	47.9	<0.1	374	15.87
54632	Rock	2.15	<2	26.1	196.4	1.9	2714	5.5	127.6	2.2	281	0.37	48.3	1.2	0.5	337	29.3	57.0	<0.1	557	4.84

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Client: **Carlin Gold Corporation**  
 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: October 05, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

WHI11001273.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	
54629	Rock	0.002	3	<1	0.07	605	<0.001	<20	0.65	0.003	0.22	<0.1	1.34	0.4	0.11	0.9	4.9	1	<0.2
54630	Rock	0.015	3	28	0.07	573	0.004	<20	0.10	0.002	0.03	<0.1	0.67	0.1	0.06	0.7	10.0	<1	<0.2
54631	Rock	0.057	4	16	7.67	2338	0.010	<20	0.14	0.018	0.05	0.2	0.10	0.7	0.08	1.9	3.3	<1	<0.2
54632	Rock	0.051	6	21	0.20	373	0.010	<20	0.16	<0.001	0.06	0.2	0.80	0.7	<0.05	2.4	5.3	<1	<0.2

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**Client:** Carlin Gold Corporation  
 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

**Project:** CCJV  
**Report Date:** October 05, 2011

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

QUALITY CONTROL REPORT

WHI11001273.1

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Reference Materials																				
STD DS8	Standard		14.7	113.7	134.2	322	2.0	40.5	7.7	634	2.58	26.3	95.6	7.1	79	2.3	4.6	7.0	43	0.72
STD OREAS45CA	Standard		0.7	533.0	20.7	62	0.2	247.4	89.3	911	15.50	3.5	55.9	7.6	15	<0.1	<0.1	0.2	201	0.41
STD OXC88	Standard	210																		
STD OXH82	Standard	1364																		
STD OXC88 Expected		203																		
STD OXH82 Expected		1278																		
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected			1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank	<2																		
BLK	Blank	<2																		
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																				
G1	Prep Blank	<2	1.2	11.2	3.5	174	0.3	8.9	4.4	611	2.15	2.4	1.6	6.6	103	1.5	2.4	<0.1	59	0.79

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**Client:** Carlin Gold Corporation  
 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

**Project:** CCJV  
**Report Date:** October 05, 2011

**Page:** 1 of 1 Part 2

**QUALITY CONTROL REPORT**

**WHI11001273.1**

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	
Reference Materials																				
STD DS8	Standard	0.081	16	120	0.65	303	0.116	<20	1.00	0.105	0.44	2.3	0.16	5.6	0.16	2.1	4.5	5	5.0	
STD OREAS45CA	Standard	0.037	16	639	0.17	157	0.128	<20	3.97	0.013	0.08	<0.1	0.03	0.1	<0.05	37.4	<0.5	18	<0.2	
STD OXC88	Standard																			
STD OXH82	Standard																			
STD OXC88 Expected																				
STD OXH82 Expected																				
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	5	
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4		
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2	
Prep Wash																				
G1	Prep Blank	0.085	15	7	0.58	206	0.132	<20	1.05	0.104	0.50	<0.1	0.03	0.3	<0.05	2.1	<0.5	5	<0.2	

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**Client:** Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Submitted By: Confirmation Email List  
Receiving Lab: Canada-Whitehorse  
Received: September 14, 2011  
Report Date: November 10, 2011  
Page: 1 of 12

**CERTIFICATE OF ANALYSIS**

WHI11001430.1

**CLIENT JOB INFORMATION**

Project: CCJV  
Shipment ID: SPEC-05  
P.O. Number: Quote NA-11347  
Number of Samples: 305

**SAMPLE DISPOSAL**

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

**SAMPLE PREPARATION AND ANALYTICAL PROCEDURES**

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	304	Dry at 60C			WHI
SS80	304	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	304	Saving all or part of Soil Reject			VAN
1DX2	303	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

**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: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Report Email List



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. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: **Carlin Gold Corporation**  
 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: November 10, 2011

Page: 2 of 12 Part 1

**CERTIFICATE OF ANALYSIS**

**WHI11001430.1**

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1181302	Soil	17.5	16.7	68.1	48	4.7	11.0	2.3	52	2.68	56.2	11.6	1.4	49	0.1	11.9	0.3	158	0.01	0.080	11
1181303	Soil	30.5	14.7	92.9	29	7.2	7.5	1.3	28	1.34	40.9	3.9	0.2	157	0.1	17.5	0.3	119	0.02	0.072	10
1181304	Soil	14.8	8.7	23.4	10	1.7	2.9	0.4	13	0.94	15.9	4.1	0.4	11	<0.1	7.8	0.4	99	0.01	0.031	3
1181305	Soil	5.0	16.6	16.3	65	0.4	10.9	2.3	28	1.10	10.8	1.5	0.1	19	0.2	2.3	0.2	57	0.02	0.037	5
1181306	Soil	6.2	16.7	26.9	58	1.4	10.8	2.9	157	3.62	21.2	3.1	1.0	18	0.3	2.9	0.3	81	0.03	0.079	8
1181307	Soil	11.4	28.9	108.2	42	8.5	10.4	2.0	43	1.47	24.8	16.7	0.3	40	0.2	9.6	0.2	63	0.02	0.066	7
1181308	Soil	10.8	45.6	54.1	79	1.6	18.6	3.3	107	3.14	32.9	5.4	0.4	29	0.2	6.8	0.3	88	0.02	0.102	11
1181309	Soil	4.5	11.8	13.6	26	0.4	5.3	1.1	18	0.65	9.9	2.1	0.3	13	<0.1	2.4	0.2	47	<0.01	0.024	5
1181310	Soil	3.9	54.4	19.2	102	0.9	29.2	6.8	172	3.90	24.4	3.4	1.1	15	0.3	2.5	0.4	69	0.02	0.116	13
1181311	Soil	2.5	10.7	10.5	21	0.2	4.1	0.9	14	0.52	6.3	3.7	0.3	15	<0.1	1.4	0.2	26	<0.01	0.024	4
1181312	Soil	3.6	15.7	9.9	31	0.6	7.9	1.7	35	0.89	6.4	0.7	0.1	15	0.2	1.3	0.2	47	0.02	0.072	5
1181313	Soil	4.1	23.4	17.9	43	2.1	8.7	2.0	58	1.04	11.1	1.2	0.4	15	0.2	1.9	0.2	38	0.02	0.088	9
1181314	Soil	3.4	16.7	10.6	54	0.4	10.4	3.2	91	1.40	12.3	1.0	0.2	7	0.2	1.5	0.3	61	0.01	0.035	10
1181315	Soil	1.7	19.4	6.4	30	0.8	5.9	1.2	26	0.51	4.9	1.3	<0.1	67	0.3	1.0	0.1	21	0.45	0.023	6
1181316	Soil	5.2	50.5	19.9	96	0.9	27.1	4.9	124	2.26	20.4	7.2	1.0	36	0.3	4.1	0.3	46	0.07	0.076	7
1181317	Soil	3.8	53.5	18.0	90	0.9	26.3	5.7	136	2.12	16.7	17.0	0.7	29	0.3	3.8	0.2	39	0.07	0.083	8
1181318	Soil	2.8	30.3	12.2	44	1.6	13.6	3.2	138	1.29	9.8	7.5	0.2	22	<0.1	1.7	0.2	33	0.06	0.079	7
1181319	Soil	3.1	38.7	16.5	78	0.3	18.0	4.9	153	3.04	22.1	5.3	2.2	12	0.2	2.5	0.3	74	0.01	0.072	11
1181320	Soil	0.9	24.7	5.0	43	0.3	14.8	3.1	91	0.97	4.5	5.7	0.1	28	0.2	0.7	0.1	13	0.14	0.064	3
1181321	Soil	2.6	33.3	11.0	68	0.1	19.4	3.7	96	1.47	12.1	3.5	0.2	11	<0.1	1.5	0.2	27	0.03	0.062	7
1181322	Soil	3.2	34.3	11.4	82	1.0	21.3	4.1	90	1.59	14.5	7.0	0.8	26	0.5	2.5	0.2	37	0.07	0.080	9
1181323	Soil	2.5	46.2	13.8	91	0.5	25.1	6.4	197	2.36	17.4	8.6	0.9	18	0.2	2.2	0.2	35	0.04	0.076	10
1181324	Soil	1.3	51.3	9.3	128	0.3	34.5	8.3	1245	2.12	15.0	9.8	1.3	191	0.5	1.9	0.2	25	1.18	0.064	6
1181325	Soil	1.2	60.6	11.9	98	0.4	36.3	9.9	329	2.41	13.3	11.2	1.6	141	0.5	1.9	0.2	27	0.83	0.065	7
1181326	Soil	3.6	33.4	17.5	61	1.2	15.3	3.8	125	2.03	17.1	12.2	0.4	19	0.3	2.6	0.3	44	0.03	0.085	7
1181327	Soil	1.0	19.0	6.6	12	0.3	4.9	0.9	17	0.44	2.7	1.6	0.1	7	0.2	0.4	<0.1	15	0.02	0.052	5
122252	Soil	1.0	19.0	6.6	12	0.3	4.9	0.9	17	0.44	2.7	1.6	0.1	7	0.2	0.4	<0.1	15	0.02	0.052	5

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Project: CCJV  
 Report Date: November 10, 2011

Page: 2 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11001430.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1181302	Soil			18	0.04	286	0.023	2	0.70	0.002	0.04	0.3	0.14	1.2	0.4	0.05	6	8.2	0.2
1181303	Soil			19	0.01	700	0.011	2	0.35	0.004	0.08	0.3	0.17	0.4	0.9	0.17	4	16.6	<0.2
1181304	Soil			9	0.01	187	0.004	2	0.31	0.003	0.05	0.1	0.36	0.6	0.2	<0.05	2	2.6	<0.2
1181305	Soil			7	<0.01	136	0.003	2	0.19	0.003	0.03	0.1	0.02	0.3	0.1	<0.05	2	1.4	<0.2
1181306	Soil			22	0.08	154	0.016	1	0.96	0.005	0.06	0.2	0.10	1.1	0.2	<0.05	6	2.0	<0.2
1181307	Soil			12	0.09	396	0.010	2	0.53	0.011	0.05	0.2	1.80	0.5	0.6	<0.05	2	8.0	<0.2
1181308	Soil			17	0.06	284	0.009	2	0.76	0.004	0.06	0.2	0.15	0.8	0.3	0.05	5	4.9	<0.2
1181309	Soil			8	0.01	125	0.004	2	0.22	0.002	0.03	0.1	0.04	0.4	0.1	<0.05	3	0.5	<0.2
1181310	Soil			21	0.12	234	0.023	2	0.92	0.005	0.05	0.2	0.03	1.8	0.1	<0.05	6	0.8	<0.2
1181311	Soil			5	0.01	104	0.003	2	0.20	0.003	0.03	<0.1	0.02	0.5	0.1	<0.05	2	<0.5	<0.2
1181312	Soil			10	0.02	268	0.005	2	0.31	0.006	0.04	0.1	0.04	0.5	0.1	<0.05	3	<0.5	<0.2
1181313	Soil			9	0.02	212	0.009	1	0.45	0.004	0.04	0.2	0.06	0.5	0.1	<0.05	3	0.6	<0.2
1181314	Soil			10	0.02	78	0.009	2	0.34	0.004	0.03	0.2	0.02	0.4	0.1	<0.05	5	<0.5	<0.2
1181315	Soil			7	0.04	1041	0.009	1	0.21	0.009	0.03	<0.1	0.05	0.3	<0.1	<0.05	1	<0.5	<0.2
1181316	Soil			21	0.16	1192	0.006	2	0.68	0.005	0.06	0.2	0.20	2.0	0.2	0.07	3	1.4	<0.2
1181317	Soil			21	0.20	382	0.005	2	0.78	0.005	0.05	0.2	0.27	1.6	0.1	0.07	3	1.7	<0.2
1181318	Soil			19	0.11	277	0.005	2	0.61	0.006	0.05	0.1	0.19	0.7	0.2	0.06	3	0.9	<0.2
1181319	Soil			16	0.09	163	0.010	2	0.68	0.005	0.04	0.2	0.04	1.5	0.1	<0.05	5	0.7	<0.2
1181320	Soil			8	0.07	389	0.003	1	0.32	0.013	0.04	<0.1	0.08	0.8	<0.1	<0.05	1	<0.5	<0.2
1181321	Soil			12	0.05	143	0.006	3	0.38	0.005	0.04	0.1	0.05	0.8	0.1	<0.05	3	<0.5	<0.2
1181322	Soil			14	0.15	432	0.005	2	0.63	0.005	0.05	0.3	0.19	1.3	0.1	<0.05	2	0.8	<0.2
1181323	Soil			20	0.24	396	0.006	3	0.87	0.008	0.06	0.3	0.10	1.5	0.1	<0.05	3	0.6	<0.2
1181324	Soil			25	0.36	621	0.004	4	0.92	0.008	0.07	0.1	0.12	2.8	<0.1	0.09	3	2.6	<0.2
1181325	Soil			26	0.34	422	0.005	4	0.97	0.007	0.06	0.1	0.12	3.1	<0.1	0.10	3	2.1	<0.2
1181326	Soil			16	0.13	233	0.007	1	0.75	0.005	0.05	0.2	0.27	0.8	0.2	0.05	3	1.3	<0.2
1181327	Soil			6	0.02	201	0.004	<1	0.30	0.012	0.03	<0.1	0.05	0.5	<0.1	<0.05	2	<0.5	<0.2

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Page: 3 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11001430.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1185608	Soil	3.1	74.8	20.8	160	1.2	64.1	17.7	954	3.36	13.6	10.3	1.6	48	0.4	1.7	0.3	19	0.42	0.084	16
1185609	Soil	3.4	74.7	28.4	276	0.4	84.9	36.4	2259	4.46	47.6	33.0	1.2	19	1.1	3.4	0.3	29	0.08	0.128	11
1185610	Soil	2.1	107.2	25.2	151	0.7	35.4	10.2	693	4.16	15.0	6.5	0.5	44	1.6	1.5	0.3	33	0.02	0.174	4
1185611	Soil	2.5	68.4	26.5	168	1.1	43.6	9.0	314	4.68	30.2	18.7	0.7	63	1.1	2.5	0.3	36	0.03	0.116	6
1185612	Soil	3.0	39.2	20.1	106	0.6	30.0	8.6	303	3.51	24.7	8.3	1.3	24	0.4	3.2	0.3	42	0.05	0.061	10
1185613	Soil	2.7	26.8	23.3	69	2.0	14.8	3.1	109	2.97	41.4	4.8	0.8	36	0.1	6.3	0.4	52	0.02	0.075	6
1185614	Soil	3.9	26.3	27.2	65	1.4	15.4	3.0	90	1.73	20.7	6.9	0.5	33	0.2	3.9	0.3	56	0.03	0.055	7
1185615	Soil	3.9	8.4	14.1	6	0.6	2.1	0.3	5	0.23	3.9	2.6	0.4	5	<0.1	2.6	0.2	34	0.01	0.011	2
1185616	Soil	84.0	7.2	186.0	11	14.2	2.7	0.5	10	0.95	81.6	37.7	0.3	14	<0.1	37.0	0.1	157	<0.01	0.022	3
1185617	Soil	31.8	18.2	114.7	58	11.8	16.6	3.5	119	2.85	34.6	5.4	2.5	27	0.1	13.8	0.3	118	0.02	0.084	8
1185618	Soil	44.5	39.0	56.2	61	20.2	17.8	3.1	122	3.90	137.5	20.3	3.9	115	0.2	20.5	0.3	360	0.07	0.546	10
1185619	Soil	15.5	42.3	25.6	94	8.5	20.9	3.6	95	2.73	48.1	10.6	1.1	122	0.4	11.2	0.2	124	0.07	0.254	12
1185620	Soil	19.5	30.3	31.2	66	17.8	16.7	3.1	98	3.35	49.3	13.1	3.2	107	0.2	14.5	0.3	205	0.05	0.308	10
1185621	Soil	6.7	11.9	25.5	39	22.7	9.5	1.6	40	2.94	20.8	2.9	2.5	36	0.2	3.1	0.3	159	0.04	0.473	12
1185622	Soil	15.3	18.3	30.1	55	6.7	11.7	1.8	41	1.96	22.4	3.2	0.5	67	0.2	7.2	0.3	216	0.04	0.158	11
1185623	Soil	17.9	27.7	44.0	95	6.5	20.6	2.5	108	2.29	33.0	9.6	0.5	96	0.4	13.4	0.4	247	0.04	0.245	10
1185624	Soil	25.3	57.3	23.3	259	1.4	44.3	2.9	52	1.41	21.3	2.3	0.6	67	0.6	8.4	0.3	123	0.03	0.056	12
1185625	Soil	13.3	61.2	26.8	169	2.8	35.7	4.3	131	4.36	55.2	12.1	3.1	95	0.6	7.6	0.3	209	0.03	0.236	13
1185626	Soil	8.4	64.0	24.8	142	1.8	35.2	5.2	201	2.58	35.6	13.1	1.0	90	1.0	5.3	0.3	93	0.25	0.133	13
1185627	Soil	7.7	72.9	20.5	150	1.7	32.2	4.8	132	2.34	31.1	10.1	1.9	73	1.2	4.8	0.2	89	0.09	0.115	14
1185628	Soil	2.9	277.6	32.5	212	2.2	57.0	8.6	293	1.75	27.5	8.6	1.1	196	9.5	1.5	0.3	94	0.49	0.103	15
1185629	Soil	6.1	31.5	24.3	118	1.0	20.7	3.6	166	3.50	32.0	5.2	1.2	48	0.4	4.3	0.3	104	0.13	0.176	11
1185630	Soil	4.1	81.1	19.4	297	1.1	46.3	6.2	130	1.88	21.9	13.0	2.4	106	0.4	4.3	0.2	59	0.26	0.081	14
1185631	Soil	5.0	98.9	24.1	280	1.2	62.7	8.3	189	4.26	24.0	7.8	3.8	13	0.4	3.2	0.3	69	0.02	0.071	16
1185632	Soil	7.1	61.8	27.2	215	1.1	37.6	9.6	312	4.30	25.8	11.1	3.3	20	0.6	4.4	0.3	92	0.01	0.069	13
1185633	Soil	11.7	38.7	59.5	69	3.5	16.4	3.2	90	2.71	48.0	6.9	1.2	53	<0.1	9.9	0.3	120	0.01	0.120	8
1185634	Soil	10.4	35.7	47.8	66	1.3	17.7	2.9	53	1.44	22.2	5.3	0.8	55	0.2	6.0	0.2	64	0.03	0.057	8
1185635	Soil	4.8	36.1	24.3	119	5.8	25.7	6.7	224	3.02	20.4	7.8	4.5	22	0.4	3.0	0.2	67	0.06	0.084	12
1185636	Soil	5.4	32.4	30.6	77	0.8	20.3	4.1	103	2.08	17.6	2.7	1.9	30	<0.1	3.4	0.2	48	0.02	0.046	8

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Page: 3 of 12 Part 2

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Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1185608	Soil	17	0.22	4052	0.007	2	1.20	0.005	0.04	<0.1	0.31	3.3	0.1	<0.05	2	1.2	<0.2
1185609	Soil	28	0.29	507	0.009	2	1.20	0.004	0.06	0.1	0.08	2.5	0.1	0.05	3	1.3	<0.2
1185610	Soil	28	0.06	196	0.007	<1	1.13	0.004	0.04	<0.1	0.07	1.2	0.1	0.07	4	1.2	<0.2
1185611	Soil	24	0.24	464	0.008	<1	1.00	0.003	0.06	0.1	0.08	2.3	0.1	0.06	4	1.2	<0.2
1185612	Soil	23	0.35	150	0.019	1	1.14	0.008	0.08	0.2	0.06	2.0	0.2	<0.05	4	1.9	<0.2
1185613	Soil	17	0.10	220	0.013	2	0.57	0.003	0.08	0.2	0.02	1.0	0.2	0.13	5	4.7	<0.2
1185614	Soil	14	0.05	314	0.007	2	0.50	0.004	0.08	0.2	0.04	0.8	0.2	0.14	4	2.7	<0.2
1185615	Soil	10	<0.01	103	0.003	1	0.21	0.002	0.03	<0.1	0.30	0.3	0.1	0.05	1	1.0	<0.2
1185616	Soil	8	<0.01	159	0.011	1	0.09	0.001	0.02	0.4	6.88	0.3	1.0	0.07	2	35.4	<0.2
1185617	Soil	23	0.13	205	0.012	1	1.12	0.003	0.05	0.4	1.94	1.2	0.6	0.07	5	12.8	0.2
1185618	Soil	52	0.16	761	0.010	2	1.85	0.004	0.13	0.8	3.98	3.3	2.1	0.19	6	32.8	0.4
1185619	Soil	26	0.11	479	0.008	<1	0.62	0.003	0.08	0.3	0.46	1.0	0.6	0.12	4	12.8	<0.2
1185620	Soil	40	0.18	536	0.019	2	1.69	0.003	0.08	0.5	0.73	2.5	0.8	0.06	7	16.6	0.2
1185621	Soil	34	0.04	302	0.031	1	0.99	0.004	0.05	0.3	0.20	1.1	0.5	<0.05	7	3.0	<0.2
1185622	Soil	24	0.05	332	0.018	1	0.59	0.002	0.05	0.3	0.36	0.6	0.3	<0.05	6	8.2	0.3
1185623	Soil	30	0.09	518	0.012	2	0.82	0.004	0.08	0.4	0.34	0.9	0.6	<0.05	8	14.6	0.2
1185624	Soil	14	0.03	305	0.009	1	0.42	0.002	0.05	0.2	0.03	0.7	0.3	<0.05	4	7.3	<0.2
1185625	Soil	35	0.21	418	0.009	2	1.13	0.003	0.09	0.3	0.20	1.9	0.4	<0.05	5	6.3	0.4
1185626	Soil	24	0.26	893	0.005	2	0.76	0.004	0.10	0.3	0.46	1.4	0.3	0.06	3	4.7	<0.2
1185627	Soil	20	0.19	1361	0.006	1	0.91	0.005	0.09	0.2	0.26	1.7	0.2	<0.05	4	4.0	<0.2
1185628	Soil	26	0.16	3939	0.006	2	1.38	0.007	0.07	<0.1	0.30	2.3	0.2	<0.05	4	2.1	<0.2
1185629	Soil	21	0.14	588	0.008	2	0.82	0.002	0.06	0.2	0.18	1.1	0.2	<0.05	4	2.2	<0.2
1185630	Soil	23	0.34	944	0.018	2	0.96	0.004	0.05	0.2	0.23	2.0	0.2	<0.05	3	2.1	<0.2
1185631	Soil	26	0.16	316	0.006	<1	1.59	0.003	0.04	0.2	0.06	2.9	0.1	<0.05	4	0.7	<0.2
1185632	Soil	34	0.13	534	0.005	2	1.34	0.003	0.05	0.2	0.05	2.0	0.2	<0.05	6	3.1	0.2
1185633	Soil	18	0.06	354	0.019	1	0.52	0.003	0.06	0.3	0.12	1.2	0.5	<0.05	6	7.0	<0.2
1185634	Soil	16	0.07	452	0.008	1	0.42	0.003	0.04	0.2	0.17	0.9	0.3	<0.05	3	4.3	<0.2
1185635	Soil	34	0.34	234	0.021	2	2.09	0.005	0.06	0.3	0.22	2.7	0.2	<0.05	5	2.4	<0.2
1185636	Soil	15	0.13	241	0.006	<1	0.52	0.003	0.04	0.2	0.03	1.2	0.2	<0.05	3	2.2	<0.2

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Project: CCJV  
 Report Date: November 10, 2011

Page: 5 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11001430.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1382191	Soil	1.5	15.1	6.8	25	1.2	4.7	1.0	52	0.98	23.2	3.3	<0.1	8	0.2	2.3	<0.1	15	0.06	0.077	3
1382192	Soil	2.1	26.3	9.7	40	0.3	8.4	1.1	31	1.67	53.5	2.9	<0.1	14	0.2	3.8	0.1	36	0.03	0.066	4
1382193	Soil	5.6	69.9	18.7	139	1.7	31.0	3.3	148	4.16	127.5	8.2	<0.1	42	0.8	10.7	0.3	98	0.07	0.134	10
1382194	Soil	3.7	30.4	13.3	74	0.6	13.1	1.8	103	1.68	51.8	4.7	0.1	19	0.2	4.2	0.2	44	0.08	0.097	6
1382195	Soil	9.4	64.5	24.3	87	1.4	20.6	2.8	79	3.49	133.6	28.4	0.4	62	0.4	9.7	0.4	74	0.03	0.167	9
1382196	Soil	9.9	200.4	39.3	179	1.8	30.4	5.6	266	10.71	1114	48.5	3.0	47	0.6	39.0	0.6	159	0.03	0.234	18
1382197	Soil	4.8	61.8	14.5	80	1.8	15.2	2.9	100	3.31	300.8	22.0	0.7	19	0.4	10.0	0.3	58	0.02	0.085	8
1382198	Soil	12.7	227.1	30.9	166	1.6	44.7	6.2	131	8.86	3475	819.7	5.7	40	2.2	69.0	0.6	107	0.03	0.332	12
1382199	Soil	6.4	106.7	21.8	72	1.2	14.6	3.3	236	4.23	1751	481.8	4.8	29	0.8	33.4	0.5	65	0.05	0.187	16
1382200	Soil	8.8	80.8	23.8	49	0.6	10.1	1.4	41	3.91	1049	144.9	0.4	27	0.4	30.3	0.5	69	0.02	0.153	9
1385001	Soil	8.1	231.0	30.5	122	2.3	34.2	3.6	175	10.38	4716	1069	1.1	44	2.1	138.3	0.6	118	0.03	0.295	20
1385002	Soil	8.5	49.8	27.2	49	1.1	9.4	1.6	57	2.95	259.3	29.8	0.7	21	0.2	15.1	0.5	53	0.03	0.194	8
1385003	Soil	9.7	79.3	27.2	68	1.8	16.2	2.5	207	4.33	423.2	52.3	0.8	24	0.4	21.9	0.8	100	0.04	0.231	8
1385004	Soil	21.5	114.8	57.1	95	3.6	22.8	2.3	154	6.14	697.0	85.1	1.7	36	0.4	46.5	1.1	142	0.03	0.351	13
1385005	Soil	14.2	227.8	53.8	134	2.6	29.8	2.3	100	10.31	1648	172.2	10.8	62	1.2	110.4	1.2	122	0.02	0.314	24

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Page: 5 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11001430.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1382191	Soil	6	0.03	226	0.007	2	0.26	0.015	0.03	1.2	0.09	0.3	<0.1	<0.05	<1	1.3	<0.2
1382192	Soil	9	0.02	313	0.006	<1	0.33	0.011	0.03	0.7	0.04	0.2	<0.1	<0.05	2	2.1	<0.2
1382193	Soil	20	0.06	1143	0.014	<1	0.72	0.009	0.07	1.2	0.12	0.7	0.1	0.09	3	5.4	<0.2
1382194	Soil	15	0.02	391	0.003	2	0.26	0.014	0.04	0.6	0.06	<0.1	<0.1	0.07	2	1.1	<0.2
1382195	Soil	18	0.07	904	0.007	2	0.82	0.007	0.10	1.3	0.09	0.4	0.2	0.23	3	9.7	<0.2
1382196	Soil	42	0.20	307	0.056	<1	1.41	0.003	0.11	0.7	0.09	3.4	0.4	0.14	7	10.9	0.3
1382197	Soil	16	0.12	190	0.025	<1	0.84	0.008	0.05	1.8	0.08	0.8	0.1	0.05	5	2.9	<0.2
1382198	Soil	30	0.17	350	0.023	<1	1.69	0.005	0.08	1.5	0.07	3.7	0.4	0.16	4	16.8	0.3
1382199	Soil	20	0.18	312	0.032	<1	1.06	0.009	0.09	1.0	0.04	2.7	0.3	0.12	4	6.3	<0.2
1382200	Soil	20	0.04	210	0.005	<1	0.49	0.009	0.06	0.7	0.03	0.3	0.2	0.11	4	6.2	<0.2
1385001	Soil	38	0.17	537	0.016	<1	1.74	0.005	0.12	0.6	0.11	3.4	0.4	0.26	4	18.9	0.6
1385002	Soil	15	0.07	212	0.015	<1	0.53	0.010	0.07	0.6	0.05	0.8	0.2	0.13	3	9.1	<0.2
1385003	Soil	28	0.14	202	0.012	<1	1.16	0.009	0.05	0.9	0.09	1.5	0.2	0.11	4	12.2	0.3
1385004	Soil	36	0.17	405	0.012	<1	1.29	0.006	0.09	1.3	0.08	2.5	0.3	0.14	5	17.5	0.5
1385005	Soil	36	0.19	568	0.022	<1	1.56	0.004	0.11	0.9	0.12	6.8	0.5	0.21	5	26.9	0.6

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Page: 6 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11001430.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1385006	Soil	23.8	138.6	68.7	136	2.3	23.5	2.2	168	6.49	454.0	137.6	12.2	63	0.6	66.1	1.3	138	0.02	0.376	16
1385007	Soil	43.4	188.6	65.9	203	3.9	31.6	3.1	144	7.77	1133	285.6	2.6	97	1.2	78.2	1.1	154	0.06	0.442	26
1385008	Soil	22.1	105.0	99.8	147	9.0	19.7	1.8	61	6.09	1023	339.1	0.8	88	0.6	70.4	1.5	106	0.02	0.324	15
1385009	Soil	4.3	25.9	17.1	39	1.6	6.1	0.9	28	1.29	118.7	49.7	0.2	16	0.3	11.6	0.3	28	0.03	0.094	5
1385010	Soil	4.5	59.5	23.9	152	2.8	18.5	1.3	102	1.53	84.9	12.2	0.3	35	0.8	12.0	0.5	24	0.17	0.130	4
1385011	Soil	21.4	39.9	40.5	51	3.9	8.5	1.6	83	3.39	157.1	39.0	3.2	98	0.2	22.9	0.6	53	0.03	0.154	7
1385012	Soil	21.1	34.0	46.8	28	6.1	3.7	0.7	51	3.40	134.7	35.5	7.2	110	0.2	19.3	0.6	50	0.01	0.130	5
1385013	Soil	5.0	24.9	17.3	31	1.4	3.9	1.0	25	1.49	63.2	27.3	0.7	28	0.1	9.8	0.4	30	0.03	0.052	5
1385014	Soil	10.7	71.8	77.5	171	3.5	24.3	3.6	142	4.13	435.4	107.4	6.7	64	0.5	46.5	1.2	67	0.05	0.181	15
1385015	Soil	5.2	38.4	19.3	68	1.2	11.3	2.5	103	2.60	90.3	16.0	0.2	15	0.2	9.0	0.4	59	0.02	0.086	7
1385016	Soil	6.8	97.0	28.3	146	1.7	15.0	2.4	83	6.64	131.3	26.8	1.4	24	0.5	16.6	0.6	124	0.05	0.170	10
1385017	Soil	5.0	61.9	13.4	57	2.0	8.7	1.3	40	2.65	67.5	10.4	0.4	12	0.6	8.8	0.3	51	0.04	0.097	7
1384787	Soil	4.6	108.3	17.6	199	0.7	65.8	20.8	561	4.33	255.0	27.6	3.4	24	0.3	5.5	0.6	60	0.12	0.107	20
1384788	Soil	2.4	27.3	12.6	64	0.5	13.8	4.2	211	2.87	93.1	15.0	0.5	11	0.5	3.8	0.4	49	0.05	0.070	11
1384789	Soil	0.8	6.7	2.8	10	0.2	2.4	0.8	17	0.48	4.6	1.9	<0.1	8	<0.1	0.6	<0.1	13	0.03	0.034	<1
1384791	Soil	2.9	32.2	13.6	50	0.4	9.1	2.1	67	2.09	115.5	18.0	0.1	16	0.6	5.6	0.3	41	0.02	0.088	6
1384792	Soil	8.9	96.8	21.4	65	1.8	20.8	2.4	51	4.14	1109	296.3	0.4	33	0.7	28.7	0.4	60	0.03	0.221	10
1384793	Soil	2.5	24.7	7.5	35	0.3	6.7	1.8	44	1.38	136.5	27.7	0.4	8	0.5	4.7	0.2	36	0.02	0.032	7
1384794	Soil	2.3	20.7	12.3	73	0.4	12.0	4.5	178	2.71	113.7	12.6	2.1	12	0.8	4.4	0.3	50	0.06	0.047	10
1384795	Soil	2.0	23.3	11.0	74	0.3	15.4	5.0	387	2.42	133.8	10.5	2.0	14	0.5	4.3	0.2	38	0.10	0.095	11
1384796	Soil	2.7	21.6	12.0	64	0.3	17.8	5.6	173	3.16	145.6	9.4	2.9	17	0.9	4.2	0.4	50	0.10	0.040	10
1384797	Soil	9.5	254.8	34.3	127	2.5	37.7	4.4	149	11.40	5064	1338	7.6	46	2.2	124.7	0.8	125	0.02	0.264	25
1384798	Soil	6.2	61.2	34.1	72	1.7	14.3	4.4	263	2.84	560.2	79.2	0.6	37	1.9	14.7	0.6	53	0.07	0.172	10
1384799	Soil	9.4	52.1	28.1	70	1.0	15.2	2.9	127	3.52	305.2	42.3	0.3	24	0.4	14.1	0.5	70	0.04	0.149	11
1384800	Soil	40.3	138.8	54.2	91	6.0	21.1	3.4	120	5.82	882.4	98.3	7.7	119	1.1	74.4	0.8	135	0.11	0.503	13
1374456	Soil	20.7	99.1	34.6	114	2.1	23.3	5.0	294	4.25	526.4	93.3	4.0	65	0.7	30.0	0.8	122	0.08	0.251	14
1374457	Soil	16.7	83.6	26.5	112	2.1	25.3	6.0	267	3.62	371.9	67.2	4.7	53	0.5	25.6	0.6	92	0.09	0.226	15
1374458	Soil	2.3	19.0	9.2	20	1.0	6.0	1.0	20	0.80	59.1	15.1	<0.1	15	0.2	6.5	0.2	20	0.04	0.094	3
1374459	Soil	6.5	20.6	16.1	30	1.2	4.4	1.0	19	1.23	51.8	24.6	<0.1	25	0.1	10.2	0.3	31	0.02	0.075	4
1374460	Soil	32.3	49.1	27.1	64	4.1	11.4	2.5	206	2.60	164.8	44.5	2.1	104	0.5	15.9	0.7	133	0.21	0.612	8

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Page: 6 of 12 Part 2

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Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1385006	Soil	37	0.23	690	0.025	<1	1.15	0.005	0.11	1.7	0.07	5.1	0.7	0.19	4	31.5	0.6
1385007	Soil	36	0.19	582	0.015	<1	1.36	0.007	0.15	3.0	0.77	2.8	0.6	0.32	5	27.4	0.9
1385008	Soil	28	0.07	573	0.006	<1	0.64	0.008	0.17	3.3	0.13	1.0	0.4	0.35	4	35.8	1.1
1385009	Soil	7	0.02	154	0.003	<1	0.31	0.013	0.04	0.5	0.09	0.2	<0.1	0.09	2	4.0	<0.2
1385010	Soil	10	0.03	388	0.007	2	0.34	0.011	0.07	0.9	0.20	1.3	<0.1	0.19	1	10.5	<0.2
1385011	Soil	20	0.09	292	0.014	<1	0.42	0.017	0.28	2.2	0.08	1.9	0.5	0.54	4	25.4	0.5
1385012	Soil	18	0.03	181	0.012	<1	0.25	0.019	0.36	2.3	0.13	2.3	0.5	0.67	3	36.7	0.7
1385013	Soil	8	0.02	239	0.018	<1	0.60	0.022	0.06	1.0	0.03	0.8	<0.1	0.11	3	6.1	<0.2
1385014	Soil	20	0.13	397	0.024	<1	0.72	0.010	0.11	1.4	0.05	2.5	0.2	0.19	4	16.5	0.4
1385015	Soil	14	0.05	136	0.010	<1	0.70	0.007	0.04	0.6	0.08	0.4	0.1	0.07	4	7.6	<0.2
1385016	Soil	27	0.05	171	0.019	<1	0.57	0.005	0.06	1.3	0.11	1.1	<0.1	0.08	5	30.0	0.2
1385017	Soil	13	0.03	132	0.013	1	0.51	0.012	0.04	0.6	0.11	0.6	<0.1	0.10	3	7.8	<0.2
1384787	Soil	31	0.51	290	0.041	1	2.49	0.007	0.09	3.5	0.09	3.2	0.3	<0.05	7	2.4	<0.2
1384788	Soil	16	0.28	172	0.042	<1	1.52	0.007	0.08	5.4	0.06	0.9	0.1	<0.05	8	1.6	<0.2
1384789	Soil	3	0.02	163	0.009	<1	0.19	0.021	0.02	0.1	0.03	<0.1	<0.1	0.05	1	0.6	<0.2
1384791	Soil	12	0.06	122	0.018	<1	0.55	0.011	0.05	0.5	0.06	0.3	0.1	0.10	3	1.6	<0.2
1384792	Soil	20	0.09	594	0.007	1	0.97	0.010	0.08	1.7	0.15	0.7	0.2	0.16	3	11.0	<0.2
1384793	Soil	8	0.04	96	0.023	<1	0.75	0.014	0.03	1.8	0.02	0.6	<0.1	<0.05	4	0.5	<0.2
1384794	Soil	12	0.28	226	0.087	<1	1.32	0.009	0.13	7.8	0.06	1.7	0.2	<0.05	8	0.8	<0.2
1384795	Soil	13	0.28	237	0.059	<1	1.21	0.011	0.11	9.2	0.13	1.6	0.1	0.05	5	<0.5	<0.2
1384796	Soil	15	0.32	251	0.085	1	1.18	0.009	0.10	7.1	0.04	1.6	0.2	<0.05	8	<0.5	<0.2
1384797	Soil	43	0.29	436	0.045	<1	2.00	0.004	0.14	0.9	0.08	7.7	0.7	0.19	6	18.7	0.6
1384798	Soil	21	0.16	395	0.013	<1	1.05	0.009	0.08	1.5	0.08	0.9	0.2	0.10	4	9.5	0.2
1384799	Soil	21	0.16	285	0.010	<1	0.88	0.005	0.07	2.0	0.05	0.5	0.2	0.07	5	7.0	0.2
1384800	Soil	37	0.13	611	0.021	<1	1.06	0.012	0.16	1.8	0.61	5.1	0.6	0.30	4	39.5	0.9
1374456	Soil	26	0.25	471	0.028	<1	1.41	0.007	0.12	3.2	0.10	3.0	0.4	0.11	5	12.2	0.4
1374457	Soil	24	0.27	495	0.036	<1	1.33	0.008	0.13	4.0	0.07	3.1	0.3	0.13	5	14.0	0.3
1374458	Soil	7	0.02	115	0.002	<1	0.27	0.015	0.03	0.3	0.04	0.2	<0.1	0.06	1	2.2	<0.2
1374459	Soil	7	0.02	157	0.006	<1	0.20	0.018	0.05	0.5	0.04	0.2	<0.1	0.10	2	7.6	<0.2
1374460	Soil	30	0.13	350	0.016	<1	1.07	0.008	0.12	1.4	0.10	2.1	0.3	0.14	4	23.3	0.6

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Project: CCJV  
 Report Date: November 10, 2011

Page: 7 of 12 Part 1

**CERTIFICATE OF ANALYSIS**

**WHI11001430.1**

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1374461	Soil	32.2	49.0	27.2	61	3.9	11.6	2.4	207	2.61	162.4	40.1	1.8	101	0.5	16.5	0.7	135	0.21	0.623	8
1374462	Soil	83.5	33.1	39.4	35	10.7	7.8	1.7	119	3.61	517.4	168.7	2.1	46	0.3	36.1	0.6	181	0.06	0.816	12
1374463	Soil	52.2	30.7	27.7	41	3.1	8.2	1.4	151	2.49	179.2	12.5	0.8	77	0.7	31.4	0.4	200	0.10	0.527	8
1374464	Soil	39.4	23.8	23.1	39	2.1	8.7	1.7	91	2.89	177.9	20.0	0.4	72	0.4	41.0	0.4	171	0.05	0.381	7
1374465	Soil	25.0	28.6	29.9	42	2.7	7.7	1.2	92	1.67	69.7	15.3	<0.1	42	0.8	9.0	0.6	99	0.05	0.211	6
1374466	Soil	24.3	24.5	25.1	26	1.1	6.2	1.0	45	1.38	57.1	6.6	0.2	28	0.2	11.5	0.4	122	0.03	0.137	6
1374467	Soil	25.3	20.4	28.3	32	1.2	5.8	1.2	28	1.24	43.3	17.0	<0.1	59	0.1	7.8	0.4	79	0.02	0.090	8
1374468	Soil	12.7	16.2	16.6	28	1.9	5.5	0.9	38	0.81	19.8	4.0	<0.1	19	0.2	4.4	0.2	50	0.06	0.105	4
1374469	Soil	27.7	21.5	48.7	41	1.5	8.2	1.4	53	1.46	65.7	7.0	0.2	71	0.3	12.7	0.5	113	0.05	0.159	11
1374470	Soil	45.7	31.3	23.3	25	1.7	6.7	0.8	20	1.41	83.9	17.8	<0.1	41	0.2	27.1	0.3	161	0.05	0.147	7
1374471	Soil	30.8	35.8	24.8	41	1.3	7.8	1.5	38	1.74	78.3	9.1	0.3	29	0.3	13.8	0.4	104	0.02	0.142	10
1374472	Soil	32.7	64.3	16.6	65	1.7	11.6	2.0	78	4.71	384.2	26.2	0.5	32	0.6	65.3	0.4	123	0.03	0.311	11
1374473	Soil	16.6	26.0	19.7	53	1.2	7.5	1.6	69	2.78	202.9	42.9	1.6	40	0.4	22.7	0.5	97	0.05	0.221	13
1374474	Soil	10.8	28.0	13.9	42	0.5	7.5	1.1	24	1.52	56.2	7.2	0.1	17	0.2	11.1	0.3	70	0.02	0.080	6
1374475	Soil	100.9	112.9	57.6	160	7.6	23.0	3.5	160	3.95	265.8	76.9	2.8	96	1.6	44.4	1.3	240	0.19	0.623	17
1374476	Soil	10.7	70.1	11.4	63	2.2	6.2	1.1	24	2.70	100.4	22.1	0.6	8	0.4	22.5	0.2	30	0.03	0.079	4
1374477	Soil	51.0	130.8	25.1	72	8.5	11.3	1.4	55	4.29	206.3	38.2	0.2	25	1.1	62.8	0.6	53	0.04	0.182	14
1374478	Soil	28.3	86.0	23.7	93	2.9	17.8	3.5	192	2.68	153.0	44.4	0.5	57	1.7	22.1	0.5	79	0.04	0.216	12
1374479	Soil	22.3	132.6	23.4	127	2.8	25.9	4.5	173	4.14	480.1	100.8	2.6	56	1.8	38.2	0.6	93	0.11	0.280	15
1374480	Soil	14.9	46.3	31.5	435	0.9	54.9	4.7	167	2.55	57.6	3.5	1.9	28	1.3	9.2	0.2	157	0.13	0.134	19
1374481	Soil	11.2	13.1	22.4	125	0.2	17.8	1.8	58	0.91	20.3	1.8	1.2	11	0.5	3.5	0.1	89	0.05	0.046	22
1374482	Soil	88.9	174.0	479.6	1618	2.8	248.4	5.8	638	2.54	99.4	3.2	3.0	149	13.1	36.4	0.2	302	4.10	0.181	15
1374483	Soil	12.5	37.1	30.7	423	0.3	47.5	11.1	426	1.25	22.1	0.8	0.6	37	6.0	5.1	0.1	70	0.49	0.056	7
1382345	Soil	8.5	230.3	45.7	134	5.8	38.6	4.1	229	12.05	7695	6356	6.6	42	1.4	79.6	1.1	135	0.04	0.288	34
1382346	Soil	7.2	241.4	34.4	209	7.2	47.3	5.2	195	11.20	1054	202.5	6.9	59	0.9	50.0	0.7	115	0.03	0.227	30
1382347	Soil	9.5	413.0	47.5	219	2.7	70.8	4.4	147	19.57	2658	178.6	13.6	85	2.0	292.7	0.9	151	0.02	0.434	42
1382348	Soil	9.2	270.9	46.3	140	2.6	38.4	2.0	78	12.46	1489	223.5	20.3	117	1.4	127.8	1.1	126	0.02	0.311	32
1382349	Soil	6.8	329.1	36.3	184	2.4	45.6	3.8	109	16.68	1625	145.0	16.4	128	1.6	203.5	1.1	144	0.02	0.387	50
1382350	Soil	8.0	352.5	52.9	342	2.4	80.5	12.3	305	15.74	1271	194.0	11.8	130	2.5	62.0	1.2	184	0.05	0.395	45
1185585	Soil	10.5	119.2	57.2	168	1.9	28.1	5.8	225	5.08	535.8	148.9	7.5	65	0.9	32.8	0.7	72	0.03	0.142	53

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Project: CCJV  
 Report Date: November 10, 2011

Page: 7 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11001430.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1374461	Soil	31	0.13	347	0.017	2	1.06	0.009	0.13	1.2	0.10	2.0	0.3	0.11	4	24.2	0.5
1374462	Soil	37	0.10	662	0.016	<1	0.98	0.011	0.17	2.2	0.26	3.4	0.6	0.29	5	99.4	0.8
1374463	Soil	31	0.09	367	0.009	<1	0.83	0.005	0.09	1.0	0.18	1.2	0.3	0.09	4	25.0	0.5
1374464	Soil	23	0.11	226	0.008	<1	0.80	0.006	0.06	0.8	0.46	0.4	0.4	0.08	5	15.9	0.3
1374465	Soil	18	0.03	259	0.003	<1	0.67	0.006	0.07	0.5	0.07	0.2	0.2	0.10	3	8.5	0.3
1374466	Soil	14	0.03	140	0.004	<1	0.56	0.007	0.04	0.6	0.15	0.2	0.2	0.06	4	10.7	0.3
1374467	Soil	10	0.02	210	0.004	<1	0.45	0.007	0.05	0.4	0.04	<0.1	0.2	0.07	3	8.5	0.2
1374468	Soil	10	0.02	119	0.001	<1	0.31	0.008	0.03	0.3	0.07	0.1	<0.1	<0.05	2	4.4	<0.2
1374469	Soil	16	0.03	240	0.003	<1	0.47	0.003	0.06	0.8	0.06	0.2	0.2	0.08	4	19.0	0.3
1374470	Soil	18	0.03	156	0.001	<1	0.39	0.004	0.04	1.2	0.38	0.2	0.1	0.06	3	19.3	0.3
1374471	Soil	15	0.02	198	0.005	<1	0.89	0.007	0.05	0.5	0.08	0.2	0.2	0.05	4	8.6	0.3
1374472	Soil	19	0.10	197	0.022	<1	1.41	0.009	0.05	1.0	0.08	0.7	0.2	<0.05	8	7.2	<0.2
1374473	Soil	17	0.12	191	0.021	<1	0.98	0.003	0.06	3.3	0.08	1.1	0.2	<0.05	5	7.0	0.3
1374474	Soil	11	0.02	118	0.005	1	0.35	0.011	0.03	0.4	0.07	0.2	<0.1	0.09	2	5.9	<0.2
1374475	Soil	30	0.21	466	0.016	1	1.70	0.009	0.16	2.0	1.25	2.9	0.4	0.15	4	36.6	1.1
1374476	Soil	9	0.02	94	0.017	<1	0.27	0.015	0.02	0.4	0.07	0.5	<0.1	<0.05	2	4.4	<0.2
1374477	Soil	19	0.03	186	0.005	<1	0.62	0.006	0.03	0.5	0.25	0.3	<0.1	0.12	3	4.2	0.2
1374478	Soil	23	0.17	323	0.004	<1	1.01	0.005	0.07	0.7	0.15	0.5	0.1	0.12	4	9.2	0.3
1374479	Soil	27	0.20	286	0.017	1	1.47	0.004	0.07	0.9	0.63	2.3	0.2	0.10	3	14.5	0.3
1374480	Soil	24	0.15	512	0.006	2	0.98	0.002	0.18	0.7	0.09	1.4	0.4	0.05	3	3.8	<0.2
1374481	Soil	12	0.08	166	0.009	2	0.45	0.003	0.09	0.3	0.03	0.8	0.3	<0.05	2	0.9	<0.2
1374482	Soil	51	1.62	411	0.003	5	0.36	0.003	0.10	0.5	1.65	2.8	1.9	0.07	1	12.1	0.2
1374483	Soil	9	0.13	237	0.010	2	0.52	0.016	0.06	0.1	0.11	1.0	0.2	0.05	2	1.8	<0.2
1382345	Soil	47	0.46	375	0.067	<1	2.01	0.004	0.29	1.0	0.21	6.4	1.2	0.43	7	15.4	0.5
1382346	Soil	40	0.32	344	0.065	<1	2.01	0.004	0.17	0.8	0.17	4.2	0.7	0.27	6	14.9	0.4
1382347	Soil	50	0.27	481	0.045	<1	3.12	0.004	0.20	0.3	0.10	12.8	1.1	0.36	6	27.2	0.7
1382348	Soil	42	0.18	380	0.019	<1	1.81	0.003	0.13	0.3	0.14	11.6	0.8	0.27	5	33.4	0.7
1382349	Soil	45	0.22	400	0.048	<1	2.46	0.004	0.20	0.1	0.07	13.4	0.8	0.35	5	24.4	0.5
1382350	Soil	62	0.45	322	0.097	<1	3.09	0.004	0.13	0.9	0.09	14.7	0.6	0.30	8	19.3	0.6
1185585	Soil	24	0.30	353	0.092	<1	1.26	0.003	0.09	0.5	0.14	4.4	0.3	0.16	4	6.4	0.3

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Page: 8 of 12 Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm		
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
1185586	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
1185587	Soil			5.9	233.9	21.1	151	5.6	43.4	7.6	157	4.76	286.7	61.1	3.7	25	0.7	17.1	1.0	81	0.07	0.106	22
1185588	Soil			6.8	314.3	33.1	226	1.6	82.9	11.7	300	7.91	296.5	86.4	6.4	54	1.0	29.6	0.6	123	0.07	0.175	28
1185589	Soil			5.9	291.8	29.0	198	2.9	66.6	9.4	204	8.69	488.8	118.5	7.5	72	1.4	55.1	0.5	114	0.06	0.200	36
1185590	Soil			7.6	165.1	16.8	73	2.8	14.5	2.3	67	6.23	311.3	37.0	3.3	38	0.4	122.6	1.0	86	0.03	0.143	20
1185591	Soil			6.2	168.3	23.3	122	3.0	33.1	5.7	109	8.08	537.9	42.5	6.3	38	0.8	233.6	0.5	103	0.03	0.155	18
1185592	Soil			7.4	267.7	29.8	189	1.2	52.1	9.5	184	12.47	957.0	83.8	11.9	64	1.3	250.5	0.8	118	0.04	0.260	30
1185593	Soil			1.8	33.3	8.0	33	0.9	6.9	1.1	31	1.59	95.4	4.9	0.1	14	0.6	21.8	0.2	35	0.02	0.064	5
1185594	Soil			3.6	48.6	8.9	33	2.6	9.6	1.5	37	1.91	211.9	19.7	0.3	34	0.6	23.1	0.2	32	0.04	0.160	5
1185595	Soil			9.6	59.0	24.4	76	0.6	14.7	2.5	80	5.25	145.3	19.0	0.9	26	0.3	18.7	0.5	87	0.04	0.129	11
1185596	Soil			2.5	19.8	6.4	31	0.4	5.8	1.2	38	1.26	50.7	3.2	<0.1	11	0.1	4.8	0.1	32	0.04	0.069	4
1185597	Soil			8.1	78.9	17.5	122	0.8	26.3	5.0	184	5.58	177.6	23.5	1.0	20	0.4	19.6	0.3	71	0.04	0.109	11
1185598	Soil			2.3	88.0	10.1	59	1.7	14.6	2.6	69	3.70	93.3	15.4	0.4	19	0.3	8.9	0.2	47	0.02	0.106	7
1185599	Soil			0.8	41.3	8.6	319	0.6	70.1	15.9	780	2.97	75.2	7.2	0.2	45	1.4	4.4	0.1	27	0.34	0.098	5
1185600	Soil			1.4	20.5	5.4	36	0.6	9.1	3.4	921	1.53	49.6	3.5	0.2	10	0.3	3.7	<0.1	24	0.03	0.084	4
1182841	Soil			1.6	51.3	10.0	227	0.8	70.0	15.7	396	3.78	82.6	7.9	0.5	31	0.9	13.8	0.1	38	0.12	0.085	9
1182842	Soil			1.7	30.1	10.6	104	0.5	24.7	10.1	311	3.82	168.4	28.4	10.4	25	0.4	24.1	0.2	40	0.13	0.068	28
1182843	Soil			2.0	42.3	11.9	96	0.7	35.6	7.5	210	4.22	161.9	27.7	5.3	31	0.3	20.7	0.2	42	0.10	0.092	24
1182844	Soil			7.2	95.6	19.2	183	0.8	44.2	6.3	202	5.45	169.6	45.2	1.3	40	0.7	20.5	0.3	82	0.07	0.187	13
1182845	Soil			6.0	75.3	19.0	142	0.8	31.2	5.9	123	3.73	289.6	40.8	1.3	25	1.0	34.8	0.3	65	0.03	0.086	15
1182846	Soil			4.8	37.5	13.5	50	1.0	12.7	1.8	54	2.03	156.1	12.4	0.1	20	0.4	25.2	0.2	44	0.02	0.080	9
1182847	Soil			2.8	9.9	10.4	33	0.3	5.3	0.7	20	0.42	7.7	2.0	0.2	13	0.4	1.1	0.2	40	0.02	0.046	18
1182848	Soil			5.0	23.9	20.2	205	2.7	20.9	4.8	234	2.16	17.3	1.6	0.5	20	2.1	1.7	0.2	107	0.13	0.096	12
1182849	Soil			6.9	18.1	14.9	116	1.0	19.1	2.6	71	1.81	33.5	3.6	0.3	15	0.5	3.7	0.2	68	0.06	0.067	14
1182850	Soil			7.0	18.2	23.7	103	0.8	17.6	1.8	51	1.23	15.7	1.5	0.4	23	0.5	2.6	0.2	84	0.05	0.124	13
1182998	Soil			19.7	23.5	19.0	194	2.3	43.4	1.7	32	1.12	16.8	1.0	0.2	12	1.8	12.0	0.2	254	0.03	0.051	21
1182999	Soil			2.0	20.2	10.7	26	2.2	5.8	0.5	21	0.47	3.3	0.6	<0.1	14	1.3	0.7	0.1	39	0.09	0.182	6
1183000	Soil			11.1	22.5	19.3	273	1.3	38.5	3.8	320	2.51	37.5	4.0	1.9	19	0.9	5.1	0.3	148	0.11	0.121	16
1181301	Soil			4.2	13.6	12.1	131	0.2	15.7	2.5	93	1.04	3.8	2.5	0.2	8	1.7	1.2	0.1	67	0.05	0.035	12
1385018	Soil			6.9	77.9	36.8	168	2.2	14.4	2.1	148	4.13	127.7	35.4	2.5	40	0.6	21.5	0.8	102	0.05	0.110	19

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Project: CCJV  
 Report Date: November 10, 2011

Page: 8 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11001430.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1185586	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1185587	Soil	32	0.37	168	0.054	2	2.32	0.006	0.08	2.9	0.20	3.7	0.7	0.09	7	5.1	<0.2
1185588	Soil	40	0.50	277	0.058	2	2.82	0.005	0.14	0.4	0.10	8.1	0.6	0.09	7	8.8	0.2
1185589	Soil	35	0.32	281	0.050	2	2.57	0.007	0.12	0.3	0.11	6.6	0.4	0.13	6	12.4	0.4
1185590	Soil	29	0.18	172	0.044	2	1.46	0.005	0.09	0.4	0.13	2.5	0.2	0.15	7	22.4	0.3
1185591	Soil	28	0.16	213	0.037	1	1.52	0.004	0.08	0.6	0.09	3.5	0.3	0.09	5	12.0	0.3
1185592	Soil	40	0.30	342	0.054	2	1.97	0.004	0.15	0.6	0.05	6.7	0.4	0.20	6	21.5	0.6
1185593	Soil	7	0.02	79	0.007	1	0.41	0.015	0.02	0.3	0.04	<0.1	<0.1	<0.05	3	2.2	<0.2
1185594	Soil	10	0.04	260	0.003	1	0.52	0.011	0.06	2.0	0.09	0.2	0.1	0.08	1	4.2	<0.2
1185595	Soil	20	0.06	184	0.019	1	0.78	0.008	0.04	1.0	0.05	0.5	<0.1	<0.05	7	6.9	0.2
1185596	Soil	7	0.03	143	0.004	<1	0.25	0.018	0.04	0.3	0.03	<0.1	<0.1	<0.05	2	1.7	<0.2
1185597	Soil	31	0.19	234	0.023	<1	1.43	0.006	0.05	0.8	0.13	1.1	0.1	0.05	5	10.2	<0.2
1185598	Soil	20	0.08	178	0.018	1	0.79	0.014	0.06	0.5	0.11	0.9	0.1	0.10	3	5.8	<0.2
1185599	Soil	17	0.56	293	0.004	1	0.59	0.003	0.04	0.3	0.07	0.2	<0.1	0.06	2	0.9	<0.2
1185600	Soil	7	0.04	120	0.006	<1	0.34	0.010	0.03	0.4	0.09	0.2	0.2	0.07	2	1.0	<0.2
1182841	Soil	22	0.33	480	0.015	1	1.33	0.005	0.05	0.3	0.06	0.7	0.1	<0.05	3	2.6	<0.2
1182842	Soil	14	0.53	227	0.098	2	1.91	0.022	0.20	3.8	0.03	4.5	0.2	0.07	6	1.9	<0.2
1182843	Soil	19	0.37	226	0.056	1	1.76	0.016	0.14	4.7	0.04	3.2	0.2	0.11	5	3.6	<0.2
1182844	Soil	28	0.20	1346	0.016	2	1.57	0.007	0.07	0.9	0.12	1.4	0.2	0.11	4	6.7	<0.2
1182845	Soil	20	0.23	213	0.014	1	1.11	0.005	0.07	0.4	0.08	1.5	0.2	<0.05	4	4.6	<0.2
1182846	Soil	14	0.09	148	0.007	<1	0.60	0.011	0.04	0.3	0.04	0.2	<0.1	<0.05	3	3.5	<0.2
1182847	Soil	10	0.03	218	0.003	2	0.39	0.004	0.06	0.4	0.03	<0.1	0.1	<0.05	3	0.6	<0.2
1182848	Soil	23	0.20	623	0.008	2	1.32	0.007	0.09	0.3	0.08	0.9	0.2	<0.05	5	2.0	<0.2
1182849	Soil	14	0.15	251	0.010	2	0.63	0.004	0.07	0.9	0.03	0.5	0.1	<0.05	4	1.3	<0.2
1182850	Soil	15	0.08	239	0.011	1	0.57	0.005	0.08	0.5	0.02	0.6	0.2	0.08	3	2.2	<0.2
1182998	Soil	33	0.06	142	0.006	1	0.64	0.004	0.06	0.2	0.06	0.3	0.6	<0.05	4	5.9	<0.2
1182999	Soil	15	0.03	258	0.004	1	0.62	0.010	0.04	<0.1	0.08	0.1	0.2	<0.05	3	0.9	<0.2
1183000	Soil	25	0.15	479	0.007	2	1.01	0.004	0.11	0.5	0.06	1.3	0.3	<0.05	4	3.2	<0.2
1181301	Soil	13	0.11	213	0.013	1	0.88	0.009	0.05	0.2	<0.01	0.4	0.2	<0.05	4	0.6	<0.2
1385018	Soil	23	0.13	188	0.060	<1	0.80	0.004	0.04	0.2	0.11	1.7	<0.1	0.07	7	8.0	0.4

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Page: 9 of 12 Part 1

**CERTIFICATE OF ANALYSIS**

**WHI11001430.1**

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm		
1385019	Soil			4.9	51.5	19.0	77	1.4	14.4	2.6	143	2.68	158.7	16.5	0.3	22	0.6	26.2	0.4	68	0.05	0.093	13
1385027	Soil			19.7	10.8	5.7	97	<0.1	26.1	2.0	26	0.82	13.7	<0.5	1.6	7	0.3	1.8	0.1	70	0.03	0.014	20
1385028	Soil			252.6	228.7	30.5	1682	4.9	671.1	8.1	326	3.31	359.8	3.2	5.0	121	51.2	61.4	0.3	1952	1.73	0.257	51
1185638	Soil			8.4	36.3	49.0	86	1.0	22.6	6.5	206	4.48	33.3	17.4	2.4	28	0.1	6.5	0.4	67	0.02	0.129	8
1185639	Soil			4.8	37.4	16.1	54	1.0	12.0	3.2	52	1.45	16.2	2.5	0.4	14	0.2	2.7	0.2	38	0.01	0.048	6
1185641	Soil			3.3	42.7	17.5	79	0.6	21.8	4.9	164	3.19	25.6	11.4	2.2	17	0.1	3.4	0.2	37	0.02	0.068	9
1374414	Silt			2.4	78.8	23.1	208	1.8	53.6	7.0	300	2.41	12.2	11.8	1.2	174	1.4	2.8	0.2	43	1.21	0.116	7
1180925	Silt			7.2	64.6	18.0	1733	0.9	153.2	7.0	336	2.41	155.0	11.2	2.2	74	14.0	10.7	0.6	88	0.67	0.169	19
1180916	Silt			8.9	76.2	10.7	703	1.0	132.6	52.7	1305	8.38	143.9	11.4	3.8	40	15.5	7.8	0.3	59	0.34	0.151	22
1182622	Silt			3.9	64.6	12.5	413	1.1	64.2	7.8	276	2.26	88.9	11.2	2.2	91	21.4	6.2	0.4	74	1.15	0.144	21
1182645	Silt			1.9	62.8	13.2	140	0.4	42.0	9.4	500	2.70	18.0	12.9	2.2	51	0.6	2.6	0.2	30	0.31	0.065	9
1182644	Silt			2.1	70.0	15.9	163	0.5	51.0	11.1	494	2.96	18.1	9.7	2.2	52	0.8	3.0	0.3	25	0.37	0.080	7
1182639	Silt			2.2	83.7	20.5	179	0.3	94.4	10.5	456	2.87	53.4	16.1	1.5	51	0.8	2.8	0.4	24	0.52	0.109	7
1182640	Silt			1.5	70.3	15.5	139	0.4	45.5	10.2	321	3.00	14.9	11.7	1.9	72	0.5	2.9	0.3	22	0.45	0.074	7
1182643	Silt			2.1	73.5	15.7	156	0.5	47.4	10.8	533	2.97	17.5	9.3	2.0	59	0.6	3.1	0.2	26	0.37	0.084	8

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Page: 9 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11001430.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
1385019	Soil			15	0.09	147	0.015	2	0.81	0.007	0.06	0.4	0.08	0.4	0.2	<0.05	5	3.9	<0.2
1385027	Soil			9	0.05	188	0.005	<1	0.50	0.002	0.05	0.2	<0.01	0.6	0.3	<0.05	2	0.8	<0.2
1385028	Soil			101	0.16	3047	0.096	7	1.12	0.003	0.26	1.0	1.63	6.6	3.9	<0.05	4	18.9	0.4
1185638	Soil			20	0.14	178	0.008	<1	0.81	0.004	0.06	0.2	0.10	1.8	0.3	<0.05	5	4.2	<0.2
1185639	Soil			7	0.01	136	0.003	<1	0.27	0.005	0.03	0.1	0.06	0.9	0.2	<0.05	2	1.6	<0.2
1185641	Soil			19	0.11	137	0.009	2	0.97	0.003	0.04	0.2	0.22	1.8	0.1	<0.05	3	2.0	<0.2
1374414	Silt			25	0.33	1573	0.004	4	1.12	0.006	0.08	0.1	0.57	2.6	0.2	0.14	3	5.9	<0.2
1180925	Silt			24	0.33	847	0.028	3	1.11	0.011	0.16	1.2	0.20	2.1	0.3	0.07	3	4.9	<0.2
1180916	Silt			22	0.34	589	0.037	2	1.51	0.011	0.10	1.0	0.06	2.5	0.2	0.08	3	5.1	<0.2
1182622	Silt			28	0.39	1415	0.044	3	1.51	0.018	0.19	1.5	0.20	2.4	0.3	0.13	4	5.5	<0.2
1182645	Silt			24	0.36	644	0.004	3	1.01	0.006	0.07	0.2	0.13	3.1	<0.1	0.05	3	1.9	<0.2
1182644	Silt			21	0.38	531	0.003	2	0.96	0.005	0.06	0.3	0.25	3.4	<0.1	0.08	3	1.9	<0.2
1182639	Silt			24	0.38	429	0.003	2	0.97	0.007	0.06	0.2	0.07	2.7	<0.1	0.11	3	1.9	<0.2
1182640	Silt			23	0.39	670	0.003	2	1.04	0.005	0.06	0.1	0.16	3.5	<0.1	0.07	3	1.6	<0.2
1182643	Silt			21	0.38	699	0.003	2	0.99	0.005	0.06	0.2	0.20	3.3	<0.1	0.07	3	2.5	<0.2

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Page: 10 of 12 Part 1

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WHI11001430.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm		
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
1182642	Silt			2.0	68.5	13.2	144	0.5	42.6	10.9	671	2.78	23.9	15.4	2.2	54	0.4	2.9	0.3	36	0.34	0.066	11
1182641	Silt			1.9	70.0	13.4	158	0.5	40.8	9.8	481	2.60	22.2	16.1	1.6	95	0.5	2.6	0.2	36	0.51	0.078	10
1182947	Silt			4.4	250.8	19.2	154	0.9	31.2	40.3	658	2.27	11.0	9.1	1.7	22	0.1	1.0	0.3	61	0.13	0.109	7
1182946	Silt			4.0	37.5	17.9	121	0.8	23.2	9.4	532	1.91	13.7	4.0	2.5	52	0.8	1.6	0.3	83	0.36	0.092	10
1180775	Silt			10.4	28.7	7.7	16	0.5	12.0	0.5	16	0.60	17.1	0.6	0.5	36	0.3	6.8	0.1	82	0.05	0.022	<1
1180770	Silt			10.2	221.6	22.9	2095	1.0	341.0	48.8	1059	4.80	67.1	7.6	2.2	61	11.8	4.8	0.3	86	0.43	0.106	3
1180924	Silt			13.8	111.9	6.2	111	1.1	21.6	5.5	123	18.35	651.4	9.1	2.4	13	<0.1	16.9	0.1	97	0.05	0.101	6
1180774	Silt			14.9	57.3	10.8	295	0.5	85.9	3.1	86	1.59	48.8	1.3	1.1	91	3.0	4.7	0.2	149	0.34	0.074	2
1180772	Silt			15.4	124.2	13.2	1777	2.2	222.7	10.2	358	2.89	35.5	9.3	0.6	117	11.2	8.7	0.2	203	1.05	0.182	8
1180771	Silt			18.7	160.2	10.4	3102	3.4	340.6	6.9	202	1.91	53.9	10.7	0.5	159	21.6	13.8	0.2	350	1.16	0.285	9
1180774	Soil			L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1180923	Silt			11.7	111.6	5.7	98	1.2	19.8	9.3	196	23.45	798.8	10.2	2.3	14	0.2	16.2	<0.1	148	0.05	0.133	7

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Page: 10 of 12 Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1182642	Silt	27	0.37	770	0.005	3	1.16	0.007	0.10	0.4	0.13	3.4	0.1	<0.05	3	1.2	<0.2
1182641	Silt	27	0.37	724	0.004	4	1.14	0.007	0.10	0.2	0.14	2.9	<0.1	0.06	3	2.0	<0.2
1182947	Silt	26	0.32	322	0.003	2	1.37	0.009	0.11	0.1	0.25	4.3	0.4	<0.05	4	1.2	<0.2
1182946	Silt	22	0.34	624	0.005	5	1.14	0.006	0.13	0.1	0.37	2.6	0.3	<0.05	4	2.4	<0.2
1180775	Silt	6	0.01	468	<0.001	3	0.17	0.002	0.09	<0.1	2.17	1.2	0.6	0.20	1	2.6	<0.2
1180770	Silt	30	0.09	399	<0.001	3	1.73	0.005	0.10	<0.1	0.56	7.7	0.9	0.17	2	4.8	<0.2
1180924	Silt	37	0.18	92	0.018	<1	5.80	0.004	0.07	0.6	0.04	2.3	0.1	1.78	2	6.2	<0.2
1180774	Silt	12	0.04	560	0.001	5	0.40	0.004	0.13	<0.1	1.36	2.8	1.2	0.27	1	3.8	<0.2
1180772	Silt	36	0.29	646	0.003	6	0.57	0.005	0.13	0.1	0.65	2.7	0.9	0.13	2	6.9	<0.2
1180771	Silt	56	0.21	835	0.005	10	0.68	0.006	0.13	0.2	1.57	1.5	1.5	0.17	3	11.8	<0.2
1180774	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1180923	Silt	41	0.18	116	0.018	<1	4.55	0.005	0.08	0.5	0.02	2.2	0.1	1.77	2	3.6	<0.2

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**Page:** 12 of 12 Part 1

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1382343	Soil	2.0	21.1	11.7	43	0.2	8.1	2.0	72	1.34	43.7	1.7	0.3	16	0.4	4.4	0.2	42	0.03	0.043	16
1382342	Soil	1.9	15.6	9.0	39	0.6	6.9	2.0	67	1.18	33.5	0.6	0.8	12	0.3	3.3	0.3	41	0.02	0.041	15

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**Project:** CCJV  
**Report Date:** November 10, 2011

**Page:** 12 of 12 Part 2

**CERTIFICATE OF ANALYSIS** **WHI11001430.1**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1382343	Soil	14	0.07	194	0.009	2	0.51	0.007	0.06	0.3	0.02	0.5	0.1	<0.05	4	1.0	<0.2
1382342	Soil	10	0.04	140	0.023	1	0.38	0.008	0.05	0.3	0.02	0.6	0.1	<0.05	4	<0.5	<0.2

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Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

WHI11001430.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
Pulp Duplicates																					
1181304	Soil	14.8	8.7	23.4	10	1.7	2.9	0.4	13	0.94	15.9	4.1	0.4	11	<0.1	7.8	0.4	99	0.01	0.031	3
REP 1181304	QC	15.5	9.1	23.5	10	1.7	2.8	0.4	13	0.92	16.1	4.0	0.4	12	<0.1	8.2	0.5	101	0.01	0.030	2
1181321	Soil	2.6	33.3	11.0	68	0.1	19.4	3.7	96	1.47	12.1	3.5	0.2	11	<0.1	1.5	0.2	27	0.03	0.062	7
REP 1181321	QC	2.3	32.0	11.0	67	0.1	17.9	3.6	93	1.45	12.1	3.9	0.2	11	<0.1	1.5	0.2	26	0.03	0.060	7
1185629	Soil	6.1	31.5	24.3	118	1.0	20.7	3.6	166	3.50	32.0	5.2	1.2	48	0.4	4.3	0.3	104	0.13	0.176	11
REP 1185629	QC	6.3	29.4	24.4	108	1.0	19.3	3.5	164	3.42	30.9	6.2	1.1	49	0.5	4.5	0.2	103	0.13	0.164	11
1374341	Soil	5.2	191.5	42.2	147	0.9	31.5	14.6	1108	14.38	69.7	14.4	5.7	86	0.1	7.4	0.7	33	0.06	0.120	10
REP 1374341	QC	5.4	189.3	41.8	149	0.9	30.7	14.2	1085	14.05	68.9	17.0	5.7	84	<0.1	7.6	0.8	33	0.06	0.119	9
1181338	Soil	26.8	88.9	34.5	89	4.5	17.6	3.7	498	5.49	63.5	1.3	6.6	62	0.8	38.7	0.4	126	0.42	0.743	28
REP 1181338	QC	27.4	88.3	33.4	92	4.4	18.5	3.8	498	5.45	64.2	3.5	6.5	62	0.9	38.1	0.4	128	0.42	0.741	29
1385004	Soil	21.5	114.8	57.1	95	3.6	22.8	2.3	154	6.14	697.0	85.1	1.7	36	0.4	46.5	1.1	142	0.03	0.351	13
REP 1385004	QC	21.4	115.6	56.2	93	3.9	22.7	2.2	153	6.15	704.0	84.7	1.8	36	0.3	45.0	1.1	143	0.03	0.352	13
1384799	Soil	9.4	52.1	28.1	70	1.0	15.2	2.9	127	3.52	305.2	42.3	0.3	24	0.4	14.1	0.5	70	0.04	0.149	11
REP 1384799	QC	8.8	53.1	28.1	69	1.0	16.3	2.8	124	3.47	308.5	42.1	0.3	24	0.5	14.3	0.5	71	0.04	0.149	11
1374462	Soil	83.5	33.1	39.4	35	10.7	7.8	1.7	119	3.61	517.4	168.7	2.1	46	0.3	36.1	0.6	181	0.06	0.816	12
REP 1374462	QC	83.4	34.6	39.7	33	10.7	7.7	1.7	117	3.64	530.7	162.7	2.1	47	0.3	35.6	0.6	181	0.06	0.837	12
1382347	Soil	9.5	413.0	47.5	219	2.7	70.8	4.4	147	19.57	2658	178.6	13.6	85	2.0	292.7	0.9	151	0.02	0.434	42
REP 1382347	QC	9.3	420.7	47.2	222	2.7	60.7	4.2	150	19.92	2708	231.3	13.8	82	2.0	286.6	0.9	149	0.02	0.411	40
1185597	Soil	8.1	78.9	17.5	122	0.8	26.3	5.0	184	5.58	177.6	23.5	1.0	20	0.4	19.6	0.3	71	0.04	0.109	11
REP 1185597	QC	7.8	78.6	17.5	121	0.8	26.4	5.2	190	5.56	182.0	22.1	1.0	20	0.4	18.7	0.3	73	0.04	0.106	11
1182998	Soil	19.7	23.5	19.0	194	2.3	43.4	1.7	32	1.12	16.8	1.0	0.2	12	1.8	12.0	0.2	254	0.03	0.051	21
REP 1182998	QC	20.0	21.8	18.2	186	2.3	40.8	1.8	32	1.07	15.6	1.1	0.2	12	1.4	11.0	0.2	245	0.03	0.048	21
1180925	Silt	7.2	64.6	18.0	1733	0.9	153.2	7.0	336	2.41	155.0	11.2	2.2	74	14.0	10.7	0.6	88	0.67	0.169	19
REP 1180925	QC	7.3	63.6	18.4	1695	0.9	155.6	7.0	346	2.40	155.6	10.2	2.1	78	14.0	10.6	0.6	96	0.65	0.170	19
1182641	Silt	1.9	70.0	13.4	158	0.5	40.8	9.8	481	2.60	22.2	16.1	1.6	95	0.5	2.6	0.2	36	0.51	0.078	10
REP 1182641	QC	1.9	69.1	13.7	156	0.5	41.7	9.6	477	2.56	22.7	13.4	1.7	95	0.5	2.5	0.3	36	0.53	0.077	10
1182621	Silt	6.8	158.3	18.3	750	1.7	119.2	9.0	271	2.04	42.9	6.4	0.7	108	7.8	6.6	0.2	90	1.47	0.364	14
REP 1182621	QC	6.7	163.9	18.1	762	1.7	120.7	9.3	281	2.04	42.7	5.4	0.7	109	8.5	6.6	0.2	101	1.55	0.389	14

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Project: CCJV  
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Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

WHI11001430.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
1181304	Soil	9	0.01	187	0.004	2	0.31	0.003	0.05	0.1	0.36	0.6	0.2	<0.05	2	2.6	<0.2
REP 1181304	QC	8	0.01	187	0.003	1	0.31	0.004	0.04	0.1	0.39	0.6	0.2	<0.05	2	2.5	<0.2
1181321	Soil	12	0.05	143	0.006	3	0.38	0.005	0.04	0.1	0.05	0.8	0.1	<0.05	3	<0.5	<0.2
REP 1181321	QC	11	0.05	145	0.004	3	0.38	0.004	0.05	0.1	0.05	0.8	0.1	<0.05	3	<0.5	<0.2
1185629	Soil	21	0.14	588	0.008	2	0.82	0.002	0.06	0.2	0.18	1.1	0.2	<0.05	4	2.2	<0.2
REP 1185629	QC	21	0.14	581	0.007	2	0.81	0.003	0.06	0.2	0.17	1.3	0.2	<0.05	4	2.6	0.2
1374341	Soil	32	0.54	300	0.009	<1	1.39	0.006	0.10	0.4	0.03	1.9	0.2	0.36	4	8.0	<0.2
REP 1374341	QC	31	0.51	291	0.009	<1	1.35	0.006	0.10	0.4	0.03	1.9	0.2	0.32	4	6.8	0.4
1181338	Soil	23	0.06	253	0.008	4	0.62	0.007	0.25	0.4	0.22	4.7	1.1	0.50	3	14.8	0.3
REP 1181338	QC	24	0.07	339	0.008	5	0.64	0.008	0.24	0.4	0.23	4.6	1.0	0.47	3	14.9	0.7
1385004	Soil	36	0.17	405	0.012	<1	1.29	0.006	0.09	1.3	0.08	2.5	0.3	0.14	5	17.5	0.5
REP 1385004	QC	36	0.16	410	0.012	<1	1.29	0.006	0.09	1.3	0.09	2.5	0.3	0.14	5	16.7	0.4
1384799	Soil	21	0.16	285	0.010	<1	0.88	0.005	0.07	2.0	0.05	0.5	0.2	0.07	5	7.0	0.2
REP 1384799	QC	20	0.16	284	0.011	<1	0.90	0.005	0.07	1.9	0.06	0.5	0.2	0.08	5	7.4	0.2
1374462	Soil	37	0.10	662	0.016	<1	0.98	0.011	0.17	2.2	0.26	3.4	0.6	0.29	5	99.4	0.8
REP 1374462	QC	37	0.11	642	0.016	<1	1.01	0.012	0.17	2.0	0.26	3.4	0.6	0.31	4	>100	0.8
1382347	Soil	50	0.27	481	0.045	<1	3.12	0.004	0.20	0.3	0.10	12.8	1.1	0.36	6	27.2	0.7
REP 1382347	QC	49	0.26	457	0.040	<1	2.83	0.004	0.20	0.4	0.10	12.8	1.0	0.32	6	27.1	0.7
1185597	Soil	31	0.19	234	0.023	<1	1.43	0.006	0.05	0.8	0.13	1.1	0.1	0.05	5	10.2	<0.2
REP 1185597	QC	32	0.19	237	0.019	1	1.44	0.006	0.06	0.7	0.11	1.2	0.2	<0.05	4	10.4	<0.2
1182998	Soil	33	0.06	142	0.006	1	0.64	0.004	0.06	0.2	0.06	0.3	0.6	<0.05	4	5.9	<0.2
REP 1182998	QC	31	0.06	146	0.011	<1	0.62	0.004	0.06	0.2	0.06	0.3	0.6	<0.05	4	5.8	<0.2
1180925	Silt	24	0.33	847	0.028	3	1.11	0.011	0.16	1.2	0.20	2.1	0.3	0.07	3	4.9	<0.2
REP 1180925	QC	24	0.34	878	0.030	4	1.14	0.012	0.17	1.2	0.20	2.1	0.3	0.08	3	5.0	<0.2
1182641	Silt	27	0.37	724	0.004	4	1.14	0.007	0.10	0.2	0.14	2.9	<0.1	0.06	3	2.0	<0.2
REP 1182641	QC	27	0.37	718	0.004	3	1.10	0.007	0.10	0.1	0.13	2.9	<0.1	0.06	3	2.8	<0.2
1182621	Silt	18	0.31	765	0.004	9	0.92	0.008	0.21	<0.1	0.25	1.7	0.3	0.12	2	3.7	<0.2
REP 1182621	QC	19	0.33	793	0.004	9	0.97	0.009	0.22	<0.1	0.24	1.8	0.3	0.13	3	3.9	<0.2

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Project: CCJV  
 Report Date: November 10, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

WHI11001430.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1385035	Soil	48.3	53.1	34.4	120	1.9	24.4	2.7	147	3.13	67.2	2.3	4.4	74	0.4	31.9	0.4	145	0.04	0.159	45
REP 1385035	QC	49.6	52.8	34.8	121	1.8	24.3	2.6	147	3.16	73.6	1.7	4.4	73	0.6	31.9	0.4	142	0.04	0.158	45
1182739	Soil	64.5	31.2	94.2	108	3.8	13.4	1.4	43	6.45	89.0	<0.5	9.9	75	0.4	46.5	0.7	166	0.02	0.170	29
REP 1182739	QC	59.3	30.0	92.4	108	3.7	12.9	1.4	43	6.36	86.4	<0.5	9.8	70	0.5	43.5	0.6	158	0.02	0.164	28
Reference Materials																					
STD DS8	Standard	13.1	116.7	122.9	314	1.8	39.4	7.7	626	2.54	26.8	123.2	6.6	75	2.5	5.6	6.8	43	0.70	0.086	15
STD DS8	Standard	13.4	119.2	120.4	316	1.8	41.4	8.2	631	2.59	32.1	106.4	6.6	70	2.6	6.0	6.5	46	0.72	0.080	16
STD DS8	Standard	12.9	103.9	122.8	293	1.7	34.8	7.0	557	2.28	22.8	103.1	7.2	64	2.1	5.0	5.7	40	0.66	0.071	14
STD DS8	Standard	13.2	110.0	124.9	309	1.9	38.7	7.7	620	2.51	25.1	110.4	7.3	70	2.3	5.5	6.5	42	0.71	0.081	17
STD DS8	Standard	13.0	110.2	126.4	311	1.8	37.5	7.1	605	2.46	24.7	112.6	6.4	70	2.5	5.5	6.3	39	0.69	0.078	14
STD DS8	Standard	11.6	109.0	123.1	300	1.6	38.7	7.5	593	2.36	24.1	105.2	6.7	63	2.4	5.0	5.8	42	0.65	0.074	14
STD DS8	Standard	13.1	109.8	125.8	316	1.8	37.4	7.4	633	2.55	25.6	117.0	7.5	77	2.6	5.5	6.6	44	0.75	0.080	17
STD DS8	Standard	12.9	109.9	123.2	312	1.8	37.8	7.5	608	2.42	28.5	113.7	6.9	67	2.3	5.4	6.3	42	0.70	0.080	16
STD DS8	Standard	12.6	104.6	125.2	308	1.8	36.7	7.1	600	2.37	24.4	125.3	7.1	74	2.5	6.2	7.0	41	0.66	0.080	16
STD DS8	Standard	12.8	108.0	126.1	318	1.9	37.5	7.3	601	2.49	24.9	119.9	7.2	64	2.4	4.9	6.1	42	0.68	0.079	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: November 10, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

WHI11001430.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1385035	Soil	15	0.05	585	0.005	<1	0.50	0.008	0.11	0.7	0.12	2.2	0.8	0.22	3	17.6	<0.2
REP 1385035	QC	15	0.05	595	0.005	<1	0.52	0.008	0.11	0.7	0.11	2.2	0.8	0.22	3	17.6	<0.2
1182739	Soil	19	0.03	41	0.100	3	0.29	0.027	0.73	0.7	0.28	2.6	8.2	1.87	4	44.6	<0.2
REP 1182739	QC	18	0.03	40	0.095	5	0.28	0.026	0.70	0.7	0.27	2.6	7.8	1.76	3	42.2	<0.2
Reference Materials																	
STD DS8	Standard	118	0.64	290	0.113	3	1.05	0.102	0.45	3.0	0.22	2.9	5.4	0.14	5	5.5	5.0
STD DS8	Standard	120	0.61	287	0.122	1	0.97	0.110	0.45	2.7	0.22	2.4	5.3	0.15	5	5.3	4.8
STD DS8	Standard	107	0.58	268	0.114	3	0.92	0.103	0.39	2.8	0.18	2.9	5.0	0.12	5	5.3	4.8
STD DS8	Standard	116	0.62	273	0.125	2	0.94	0.099	0.41	2.9	0.18	2.5	5.5	0.16	5	5.0	5.1
STD DS8	Standard	118	0.60	267	0.122	3	0.87	0.104	0.41	3.0	0.18	2.6	5.5	0.13	4	4.5	4.8
STD DS8	Standard	113	0.59	269	0.107	3	0.91	0.088	0.41	2.9	0.20	2.8	5.4	0.11	5	4.5	5.3
STD DS8	Standard	116	0.63	291	0.133	3	1.01	0.114	0.43	3.0	0.17	2.7	5.5	0.16	5	5.8	5.3
STD DS8	Standard	116	0.61	265	0.120	3	0.94	0.093	0.42	2.8	0.21	2.3	5.5	0.16	5	4.6	5.4
STD DS8	Standard	112	0.62	285	0.123	3	0.92	0.095	0.41	2.9	0.19	2.2	5.4	0.11	5	4.5	4.6
STD DS8	Standard	114	0.63	281	0.120	2	0.90	0.091	0.41	2.9	0.18	2.1	5.6	0.17	5	4.7	4.6
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Confirmation Email List  
Receiving Lab: Canada-Whitehorse  
Received: September 19, 2011  
Report Date: December 02, 2011  
Page: 1 of 8

**CERTIFICATE OF ANALYSIS**

WHI11001431.1

**CLIENT JOB INFORMATION**

Project: CCJV  
Shipment ID:  
P.O. Number: SPEC-05  
Number of Samples: 189

**SAMPLE DISPOSAL**

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

**SAMPLE PREPARATION AND ANALYTICAL PROCEDURES**

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	189	Dry at 60C			WHI
SS80	189	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	189	Saving all or part of Soil Reject			WHI
1DX2	186	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

**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: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Report Email List



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 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: December 02, 2011

Page: 2 of 8 Part 1

CERTIFICATE OF ANALYSIS

WHI11001431.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm		
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1382341	Soil			0.6	7.6	3.2	11	0.5	8.9	1.0	141	0.47	8.2	2.0	<0.1	6	0.1	0.9	0.2	12	0.03	0.069	2
1382340	Soil			1.8	15.8	12.3	35	0.6	8.6	1.3	45	1.09	86.7	4.4	0.2	18	0.3	2.1	0.2	32	0.03	0.076	12
1382339	Soil			1.5	19.3	4.8	51	1.6	47.4	12.8	766	0.55	9.5	1.3	<0.1	28	2.0	0.5	0.2	16	0.23	0.108	2
1382338	Soil			3.2	34.6	21.4	99	1.0	29.8	5.2	173	2.95	136.6	9.8	0.7	38	0.4	4.8	0.7	42	0.10	0.095	18
1382337	Soil			1.7	11.2	11.8	31	0.4	10.0	1.4	33	1.05	76.2	5.0	0.1	18	0.1	2.9	0.2	24	0.03	0.077	10
1382336	Soil			4.6	36.7	21.8	111	0.9	21.7	3.6	86	2.78	487.2	29.1	2.1	29	0.3	9.8	0.5	53	0.02	0.073	15
1382335	Soil			4.3	29.2	15.7	113	0.5	27.2	9.4	501	2.29	96.3	9.1	0.3	28	0.6	3.9	0.6	47	0.15	0.100	12
1382334	Soil			0.6	11.7	2.4	19	0.5	4.1	3.3	27	0.34	7.5	0.7	<0.1	14	0.4	0.6	<0.1	14	0.10	0.035	2
1382333	Soil			0.4	12.5	2.9	20	1.7	4.1	1.1	63	0.49	7.9	0.6	<0.1	11	0.1	0.6	<0.1	11	0.08	0.059	2
1382332	Soil			3.4	67.5	30.8	87	1.7	17.6	6.8	779	3.05	166.6	9.8	0.6	44	2.2	13.1	0.3	27	0.15	0.213	12
1382331	Soil			1.4	14.3	7.3	26	0.6	4.4	1.0	29	0.87	36.0	4.4	<0.1	10	0.3	1.7	0.8	20	0.03	0.088	4
1382330	Soil			1.4	21.8	7.1	41	0.3	12.8	3.3	145	1.59	56.0	3.3	0.2	9	0.3	2.2	0.2	30	0.03	0.047	7
1382344	Soil			5.3	41.3	15.1	180	0.3	33.7	7.3	196	2.57	32.3	5.2	0.8	14	1.2	3.5	0.2	66	0.09	0.083	14
1382329	Soil			2.1	62.3	13.5	83	0.2	30.4	11.8	325	3.08	101.6	20.5	7.0	26	0.2	6.3	0.2	38	0.12	0.058	19
1382328	Soil			0.5	8.3	2.5	9	0.4	2.9	0.9	30	0.50	14.0	2.5	<0.1	6	0.1	0.8	<0.1	13	0.02	0.044	2
1382327	Soil			2.8	31.0	11.7	79	1.4	21.7	4.9	139	2.58	51.8	9.2	0.3	10	0.2	3.2	0.2	51	0.03	0.054	12
1382326	Soil			3.8	44.1	16.8	37	2.8	9.3	2.4	142	4.65	1133	56.2	1.9	96	0.7	17.5	0.9	55	0.04	0.281	20
1382325	Soil			6.1	51.1	41.1	18	6.1	4.5	1.0	51	4.56	568.9	83.7	5.4	100	0.2	22.5	0.5	55	0.02	0.150	41
1382324	Soil			15.7	78.6	43.0	23	5.8	5.0	0.7	30	5.82	393.6	105.2	4.0	91	0.1	40.0	0.4	213	0.02	0.151	39
1382323	Soil			10.2	10.3	25.2	17	1.1	3.6	0.9	32	1.77	60.8	5.1	3.8	16	<0.1	20.5	0.3	26	<0.01	0.031	27
1382322	Soil			8.6	57.9	20.2	148	1.2	22.3	3.8	82	2.90	148.9	29.7	0.4	21	0.2	8.1	0.4	57	0.01	0.075	16
1382321	Soil			4.3	30.4	11.3	76	1.5	10.9	2.1	46	1.99	99.0	6.6	<0.1	17	0.2	4.2	0.2	53	0.02	0.058	6
1382320	Soil			6.5	44.6	20.1	121	1.4	17.2	3.0	73	2.41	87.8	4.7	0.2	21	0.4	5.1	0.3	65	0.02	0.063	10
1382319	Soil			6.6	13.3	15.1	25	1.1	3.8	0.9	22	2.08	183.9	27.9	0.5	24	<0.1	4.5	0.2	54	0.01	0.045	8
1382318	Soil			8.1	175.9	48.9	280	2.1	63.5	8.7	259	10.10	1121	95.2	4.9	144	0.4	25.4	0.5	177	0.03	0.235	8
1382317	Soil			18.9	29.1	12.1	18	4.5	4.1	0.8	20	1.29	35.0	3.9	0.3	22	0.3	13.7	0.2	68	0.04	0.211	11
1383750	Soil			19.6	11.3	14.5	28	2.3	4.1	0.4	53	0.63	16.4	2.3	<0.1	15	0.1	9.6	0.1	70	0.07	0.084	13
1383749	Soil			131.4	45.4	24.0	65	5.1	15.9	3.7	254	3.90	329.3	3.0	1.2	39	0.4	43.5	0.3	485	0.08	0.663	17
1383748	Soil			17.5	21.2	11.2	19	2.1	3.9	0.6	18	1.20	31.2	4.4	0.4	34	0.1	11.3	0.1	83	0.03	0.266	16
1383747	Soil			3.0	16.1	11.2	29	2.2	5.3	1.0	21	1.16	79.3	25.0	0.1	10	0.1	2.7	0.2	31	0.02	0.050	5

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Project: CCJV  
 Report Date: December 02, 2011

Page: 2 of 8 Part 2

**CERTIFICATE OF ANALYSIS**

**WHI11001431.1**

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1382341	Soil	18	0.03	166	0.002	1	0.24	0.016	0.02	<0.1	0.04	0.2	<0.1	0.11	<1	<0.5	<0.2
1382340	Soil	13	0.07	242	0.003	3	0.49	0.009	0.05	0.2	0.04	0.3	0.1	0.07	3	0.8	<0.2
1382339	Soil	59	0.06	1436	0.002	1	0.35	0.018	0.04	<0.1	0.04	<0.1	<0.1	0.12	1	0.7	<0.2
1382338	Soil	28	0.27	1338	0.003	2	0.97	0.003	0.05	0.2	0.07	0.6	0.2	0.10	4	2.9	<0.2
1382337	Soil	15	0.04	186	0.002	1	0.33	0.008	0.04	0.1	0.03	0.2	<0.1	0.05	2	1.2	<0.2
1382336	Soil	23	0.19	357	0.004	2	0.73	0.003	0.06	0.2	0.05	1.1	0.2	0.06	3	3.5	<0.2
1382335	Soil	23	0.26	1340	0.004	2	0.82	0.003	0.07	0.3	0.05	0.4	0.2	0.10	3	1.4	<0.2
1382334	Soil	4	0.02	292	0.006	1	0.15	0.020	0.02	<0.1	0.02	0.2	<0.1	0.08	<1	<0.5	<0.2
1382333	Soil	6	0.03	110	0.004	<1	0.29	0.020	0.04	<0.1	0.04	<0.1	<0.1	0.11	1	<0.5	<0.2
1382332	Soil	41	0.14	817	0.004	2	0.92	0.004	0.11	0.1	0.07	0.8	0.4	0.27	2	3.7	<0.2
1382331	Soil	9	0.03	121	0.002	<1	0.28	0.014	0.03	0.1	0.05	0.2	0.1	0.06	1	0.9	<0.2
1382330	Soil	15	0.15	237	0.017	1	0.70	0.015	0.06	0.6	0.04	0.4	0.1	0.08	3	0.8	<0.2
1382344	Soil	21	0.30	298	0.006	3	0.91	0.004	0.09	0.4	0.09	1.2	0.3	0.05	3	0.9	<0.2
1382329	Soil	30	0.48	624	0.057	1	1.56	0.010	0.21	1.3	0.01	2.4	0.3	0.09	4	1.2	<0.2
1382328	Soil	5	0.02	53	0.004	<1	0.25	0.017	0.02	<0.1	0.03	<0.1	<0.1	0.08	1	<0.5	<0.2
1382327	Soil	24	0.26	121	0.011	6	1.23	0.007	0.06	0.4	0.06	0.6	0.2	0.08	4	1.1	<0.2
1382326	Soil	34	0.09	425	0.009	1	0.79	0.008	0.10	0.6	0.09	2.4	0.5	0.28	4	8.7	<0.2
1382325	Soil	47	0.04	518	0.016	1	0.43	0.009	0.21	0.6	0.26	2.5	0.6	0.54	4	20.5	0.4
1382324	Soil	56	0.04	253	0.006	<1	0.56	0.007	0.27	1.1	0.13	2.0	0.8	0.64	9	20.6	1.3
1382323	Soil	6	0.04	470	0.003	<1	0.25	0.002	0.10	0.3	0.46	0.7	0.4	0.19	1	6.3	<0.2
1382322	Soil	12	0.02	220	0.006	1	0.35	0.003	0.07	0.2	0.02	0.6	0.2	0.11	2	3.8	0.2
1382321	Soil	8	0.02	92	0.004	<1	0.36	0.009	0.04	0.1	0.04	0.2	<0.1	<0.05	3	2.0	<0.2
1382320	Soil	10	0.02	180	0.004	<1	0.39	0.002	0.08	0.2	0.04	0.4	0.2	0.10	3	2.3	<0.2
1382319	Soil	12	0.03	189	0.008	<1	0.70	0.007	0.09	0.2	0.02	0.5	0.3	0.16	4	3.0	<0.2
1382318	Soil	43	0.29	317	0.060	1	1.57	0.005	0.18	0.2	0.07	9.2	1.2	0.18	5	14.1	0.3
1382317	Soil	19	0.02	284	0.011	1	0.34	0.009	0.09	0.6	0.20	0.9	0.6	0.20	2	20.4	0.2
1383750	Soil	12	0.02	202	0.006	2	0.17	0.004	0.09	0.4	0.20	0.6	0.8	0.17	2	16.9	<0.2
1383749	Soil	78	0.18	622	0.013	2	1.02	0.003	0.20	1.4	15.31	2.5	4.7	0.40	10	70.1	0.4
1383748	Soil	21	0.02	309	0.007	1	0.37	0.002	0.08	0.7	0.06	0.8	0.8	0.14	3	12.9	<0.2
1383747	Soil	7	0.02	161	0.005	<1	0.46	0.012	0.05	0.2	0.12	0.1	0.2	0.06	2	2.2	<0.2

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Project: CCJV  
 Report Date: December 02, 2011

Page: 3 of 8 Part 1

CERTIFICATE OF ANALYSIS

WHI11001431.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1383746	Soil	1.7	17.2	7.4	26	1.0	4.3	1.1	31	0.87	62.2	16.1	<0.1	8	0.2	1.2	0.1	15	0.03	0.044	3
1383745	Soil	5.3	13.9	15.7	14	1.2	5.7	1.1	13	0.83	17.6	1.5	0.1	4	0.3	3.4	0.3	34	0.01	0.045	14
1383744	Soil	23.2	28.4	34.5	46	8.3	3.6	0.5	34	1.72	110.8	13.3	1.0	563	0.5	28.3	0.3	381	0.38	0.605	34
1383743	Soil	2.2	6.3	9.4	29	0.3	4.7	1.1	36	0.77	19.5	7.5	<0.1	8	0.4	1.5	0.2	30	0.02	0.025	7
1383742	Soil	5.7	15.8	18.8	49	0.4	7.4	1.4	34	1.87	103.7	14.0	0.5	21	0.3	4.7	0.4	82	0.01	0.046	15
1383741	Soil	3.3	10.7	10.5	41	0.4	8.3	1.6	34	1.27	38.5	7.3	0.9	12	0.1	2.4	0.3	70	<0.01	0.022	14
1383740	Soil	1.8	6.2	5.6	21	0.4	4.4	0.9	29	0.63	18.3	7.6	<0.1	7	<0.1	1.3	0.6	31	0.01	0.031	7
1383739	Soil	3.4	10.4	12.2	51	0.8	7.7	1.9	67	1.37	21.3	4.8	0.2	7	0.7	2.2	0.5	62	0.01	0.039	11
1383738	Soil	4.7	14.3	16.1	58	0.3	10.6	2.4	115	2.28	62.2	3.9	0.2	15	0.2	4.9	0.6	72	0.01	0.072	14
1383737	Soil	3.4	18.9	14.1	53	0.6	12.1	3.1	106	2.41	101.2	2.8	3.0	10	0.3	5.1	0.9	78	<0.01	0.043	13
1383736	Soil	3.5	13.7	11.4	38	0.3	8.4	1.3	35	1.22	56.5	7.9	<0.1	21	0.2	4.2	0.6	44	0.01	0.064	13
1383735	Soil	4.3	11.1	10.2	25	0.4	5.1	1.1	22	1.02	43.2	4.9	<0.1	15	0.2	4.7	0.3	34	0.02	0.062	7
1383734	Soil	2.1	10.9	6.4	24	0.4	4.2	1.4	30	0.70	14.2	10.7	<0.1	7	0.7	2.3	0.3	22	0.02	0.042	6
1383733	Soil	3.0	38.8	12.2	154	0.3	37.1	8.3	290	2.34	24.5	7.2	5.5	26	1.4	2.7	0.4	53	0.27	0.104	19
1383732	Soil	2.2	8.5	8.0	23	<0.1	4.5	1.8	52	1.24	45.6	128.8	2.5	5	0.1	3.3	2.0	64	0.01	0.011	9
1383731	Soil	1.8	10.5	6.4	29	0.1	5.2	1.4	46	0.98	27.2	7.9	0.3	7	0.1	1.7	0.6	32	0.03	0.041	5
1181929	Soil	2.5	50.7	18.3	133	0.3	42.1	11.4	776	2.18	47.8	5.3	0.2	40	0.6	13.5	0.4	45	0.11	0.072	11
1181928	Soil	3.4	30.8	11.6	90	0.4	23.1	8.4	2604	1.94	25.9	6.2	0.7	102	0.7	6.4	0.3	34	1.15	0.267	8
1181927	Soil	2.7	70.9	15.7	93	1.4	36.3	5.3	61	1.97	52.0	7.4	0.1	77	0.5	36.0	0.3	31	0.11	0.114	14
1181926	Soil	2.6	50.7	11.8	98	0.8	19.9	4.0	183	2.15	74.7	7.7	0.1	81	0.2	8.7	0.2	36	0.03	0.097	6
1181925	Soil	3.5	74.8	16.8	112	0.2	24.3	11.1	725	2.79	44.6	5.8	0.1	20	0.3	4.0	0.3	48	0.02	0.087	7
1181924	Soil	2.7	47.1	12.2	98	0.8	25.6	4.5	80	1.86	45.0	5.4	0.2	54	0.2	3.3	0.3	34	0.07	0.114	7
1181923	Soil	2.6	69.9	9.7	96	0.4	25.5	4.9	300	1.88	90.1	6.4	<0.1	32	0.3	5.4	0.3	41	0.05	0.096	6
1181922	Soil	2.3	107.0	15.4	123	0.4	27.1	11.5	773	2.72	58.6	9.1	0.2	30	1.4	4.8	0.3	44	0.10	0.103	7
1181921	Soil	1.8	58.9	22.4	99	0.2	20.7	15.5	1485	3.32	18.1	12.5	0.4	20	0.2	2.1	0.3	38	0.04	0.119	4
1181920	Soil	2.6	105.2	25.2	131	0.3	27.0	16.0	1233	4.70	28.4	7.4	0.7	9	0.4	2.0	0.4	54	0.02	0.085	4
1181919	Soil	3.4	67.0	17.6	114	0.2	24.1	5.7	284	4.04	34.0	16.5	0.8	14	0.2	3.1	0.3	63	0.03	0.070	5
1181918	Soil	4.2	62.3	18.2	120	0.2	26.1	8.9	441	4.59	34.5	4.8	1.6	20	0.2	3.3	0.4	77	0.04	0.075	9
1181917	Soil	3.2	75.1	14.8	117	0.4	32.7	6.5	395	2.94	139.1	32.4	0.2	32	0.4	11.5	0.3	46	0.04	0.092	6
1181916	Soil	2.6	35.9	12.3	69	0.4	17.1	3.5	183	1.86	62.6	5.4	0.6	28	0.2	4.9	0.3	43	0.03	0.083	6

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Page: 3 of 8 Part 2

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Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1383746	Soil	5	0.02	67	0.009	<1	0.48	0.020	0.03	<0.1	0.09	<0.1	<0.1	0.06	2	1.4	<0.2
1383745	Soil	9	0.02	181	0.004	1	0.43	0.004	0.04	0.4	0.11	0.3	0.1	0.11	2	2.9	<0.2
1383744	Soil	57	0.03	985	0.006	3	1.16	0.003	0.13	1.6	4.53	0.9	1.2	0.29	4	14.0	0.4
1383743	Soil	6	0.02	106	0.010	<1	0.29	0.015	0.04	0.4	0.01	0.1	<0.1	0.09	3	0.8	<0.2
1383742	Soil	10	0.03	157	0.018	1	0.38	0.003	0.05	1.5	0.05	0.5	0.2	0.09	6	2.2	<0.2
1383741	Soil	9	0.04	108	0.032	<1	0.52	0.005	0.05	0.9	0.03	0.5	0.2	<0.05	5	0.8	<0.2
1383740	Soil	6	0.03	63	0.005	3	0.43	0.008	0.03	1.0	0.02	0.1	<0.1	<0.05	3	<0.5	<0.2
1383739	Soil	10	0.05	93	0.017	3	0.58	0.004	0.04	0.7	0.02	0.4	0.2	<0.05	4	1.1	<0.2
1383738	Soil	12	0.09	125	0.014	2	0.73	0.004	0.05	0.8	0.02	0.5	0.2	<0.05	6	1.1	<0.2
1383737	Soil	10	0.07	92	0.103	2	0.93	0.004	0.06	3.3	0.04	1.0	0.2	<0.05	10	0.6	<0.2
1383736	Soil	9	0.03	163	0.004	2	0.69	0.005	0.04	0.9	0.02	0.2	0.2	<0.05	4	1.0	<0.2
1383735	Soil	7	0.01	88	0.004	1	0.27	0.011	0.03	0.5	0.02	<0.1	<0.1	<0.05	2	1.3	<0.2
1383734	Soil	9	0.05	83	0.006	1	0.32	0.010	0.02	0.2	0.06	<0.1	<0.1	<0.05	2	1.3	<0.2
1383733	Soil	24	0.46	303	0.039	3	1.16	0.006	0.08	0.4	0.11	2.8	0.2	<0.05	3	0.7	0.2
1383732	Soil	6	0.04	41	0.063	<1	0.56	0.005	0.02	9.6	0.02	0.4	0.1	<0.05	8	1.3	<0.2
1383731	Soil	6	0.05	50	0.025	1	0.35	0.009	0.04	2.8	0.06	0.5	<0.1	<0.05	3	<0.5	<0.2
1181929	Soil	15	0.05	1241	0.005	4	0.54	0.005	0.09	0.1	0.07	0.9	0.2	<0.05	3	2.2	0.2
1181928	Soil	14	0.28	4812	0.008	5	1.06	0.005	0.07	0.1	0.12	1.5	0.2	0.08	3	1.1	<0.2
1181927	Soil	11	0.03	1021	0.004	2	0.48	0.006	0.08	0.1	0.19	0.5	0.1	<0.05	2	0.8	<0.2
1181926	Soil	10	0.05	446	0.006	2	0.65	0.009	0.10	0.2	0.10	0.8	0.2	0.06	3	1.7	<0.2
1181925	Soil	18	0.06	380	0.006	3	0.80	0.006	0.07	<0.1	0.03	0.6	0.1	<0.05	4	1.8	<0.2
1181924	Soil	16	0.04	377	0.004	6	0.53	0.008	0.07	<0.1	0.18	1.0	0.1	<0.05	2	0.7	<0.2
1181923	Soil	14	0.03	694	0.003	4	0.59	0.005	0.07	0.1	0.05	0.4	0.1	<0.05	3	1.1	<0.2
1181922	Soil	38	0.06	901	0.009	2	1.12	0.009	0.07	0.1	0.11	1.1	<0.1	<0.05	4	1.3	<0.2
1181921	Soil	38	0.15	426	0.009	2	1.19	0.009	0.06	0.1	0.07	1.3	<0.1	<0.05	5	2.0	<0.2
1181920	Soil	48	0.16	309	0.006	2	1.39	0.005	0.07	<0.1	0.07	2.1	0.1	<0.05	6	1.2	<0.2
1181919	Soil	36	0.18	206	0.009	3	1.10	0.004	0.05	0.2	0.06	2.0	0.1	<0.05	5	1.2	<0.2
1181918	Soil	39	0.25	263	0.015	<1	1.33	0.005	0.07	0.2	0.07	2.4	0.2	<0.05	7	2.2	<0.2
1181917	Soil	24	0.12	260	0.006	2	0.84	0.004	0.07	0.2	0.13	1.2	0.2	<0.05	3	1.6	<0.2
1181916	Soil	13	0.06	148	0.015	3	0.54	0.010	0.06	0.2	0.06	1.2	0.1	<0.05	3	1.2	<0.2

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Page: 4 of 8 Part 1

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1181915	Soil	2.0	40.4	9.9	106	0.2	35.7	5.1	237	2.16	101.7	26.6	<0.1	17	0.1	21.3	0.2	35	0.02	0.056	8
1181914	Soil	2.4	62.8	20.0	147	1.0	52.9	11.3	869	3.13	120.7	66.9	0.8	84	0.3	28.4	0.4	54	0.44	0.127	17
1181913	Soil	3.7	98.6	26.7	191	0.3	88.1	12.7	189	3.94	108.9	53.0	1.1	69	0.3	35.0	0.4	52	0.10	0.066	8
1181912	Soil	1.5	37.7	8.4	40	0.3	9.0	2.6	251	1.56	131.8	11.5	<0.1	21	0.2	6.0	0.1	21	0.05	0.058	2
1181911	Soil	1.8	37.4	10.2	94	1.1	39.1	8.1	549	1.87	184.5	47.0	0.6	52	0.5	2.9	0.2	13	0.84	0.132	9
1181910	Soil	2.8	115.0	31.3	301	0.5	129.4	39.8	1031	4.57	142.8	18.6	3.1	13	0.3	19.9	0.7	15	0.07	0.108	9
1181909	Soil	4.6	29.9	16.9	88	0.3	20.0	5.2	461	2.21	36.4	3.3	0.2	15	0.3	3.0	0.3	60	0.02	0.079	9
1181908	Soil	3.1	63.0	15.9	104	0.9	34.5	15.1	1113	2.98	313.3	102.4	0.4	40	0.1	6.9	0.3	32	0.22	0.086	4
1181907	Soil	3.8	28.3	9.2	62	0.2	13.5	3.1	77	1.46	100.6	7.8	<0.1	9	<0.1	4.0	0.2	51	0.02	0.059	6
1181906	Soil	2.4	54.6	18.2	89	0.7	25.4	14.5	654	2.28	39.9	6.2	0.2	14	0.2	3.0	0.3	31	0.04	0.085	4
1384763	Soil	4.7	289.5	172.4	48	1.0	10.0	2.4	50	2.84	25.4	5.6	0.5	18	0.1	1.6	0.3	53	0.02	0.068	4
1384762	Soil	12.0	482.1	170.5	73	0.7	14.9	3.8	509	3.68	28.1	6.0	0.4	14	0.3	1.7	0.2	61	0.06	0.133	5
1384761	Soil	3.1	160.5	41.7	70	0.8	11.9	2.5	106	1.26	10.7	5.7	1.2	12	0.2	0.8	0.2	41	0.04	0.039	7
1384760	Soil	4.2	540.9	72.9	146	0.6	17.1	9.3	334	4.88	16.0	241.1	1.5	9	<0.1	3.0	0.5	27	0.05	0.099	3
1384759	Soil	1.5	24.5	8.8	20	0.3	3.7	1.0	51	0.75	3.7	1.8	<0.1	6	0.2	0.3	0.1	15	0.02	0.037	<1
1384758	Soil	3.4	41.7	27.6	95	0.3	25.3	16.7	462	3.57	18.0	2.9	2.3	6	0.3	1.1	0.3	35	0.03	0.098	3
1383600	Soil	3.5	16.9	8.4	52	<0.1	7.8	2.0	56	1.26	9.3	2.7	0.8	6	0.2	1.1	0.2	46	0.01	0.052	7
1383599	Soil	2.5	24.8	17.7	76	<0.1	27.2	13.5	502	4.09	15.9	1.4	2.5	7	0.2	0.6	0.3	34	0.02	0.069	3
1383598	Soil	3.4	41.6	23.7	69	0.3	20.5	5.8	180	5.91	20.2	1.2	3.5	22	0.1	0.6	0.3	25	0.01	0.125	2
1383597	Soil	3.5	36.4	24.8	85	0.2	27.1	9.0	217	4.05	13.4	1.3	2.1	7	0.2	0.7	0.2	24	0.02	0.087	1
1383596	Soil	3.4	30.4	21.6	102	0.2	34.2	12.0	325	4.26	14.4	0.6	2.4	7	0.2	0.4	0.2	21	0.07	0.069	2
1383595	Soil	5.8	30.7	10.0	84	1.5	21.5	4.9	305	1.83	10.8	2.6	1.1	43	1.0	1.5	0.2	48	0.27	0.117	9
1383594	Soil	4.9	33.7	11.4	131	0.9	22.3	5.1	199	2.07	13.5	4.3	1.6	29	0.5	2.1	0.2	62	0.15	0.106	12
1383593	Soil	3.9	24.5	7.5	59	0.6	13.4	2.1	57	1.09	7.3	<0.5	1.5	34	0.9	1.6	0.1	44	0.17	0.060	10
1383592	Soil	4.3	33.3	9.6	140	0.6	25.2	5.5	208	1.73	12.4	4.3	2.1	25	1.0	2.1	0.2	60	0.18	0.083	10
1383591	Soil	3.1	27.6	15.4	111	0.9	26.0	4.7	87	1.96	18.1	3.6	2.7	53	0.6	1.2	0.3	63	0.37	0.089	9
1382190	Soil	3.1	113.3	12.2	37	0.5	7.0	1.4	33	1.13	10.0	2.0	0.1	6	0.2	1.0	0.1	46	0.02	0.067	6
1382189	Soil	3.6	70.0	15.1	57	<0.1	10.0	2.7	48	1.66	11.3	2.8	1.0	10	0.1	1.2	0.2	47	0.03	0.020	7
1382188	Soil	0.9	165.2	13.2	23	0.7	9.7	1.1	16	0.57	2.4	2.1	0.1	23	0.7	0.3	<0.1	17	0.09	0.054	5
1382187	Soil	4.9	26.5	13.1	110	0.2	18.6	3.8	90	3.11	21.7	1.6	2.4	6	0.3	2.5	0.2	102	0.01	0.034	8

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181915	Soil	13	0.08	143	0.005	4	0.60	0.006	0.04	0.2	0.07	0.6	0.1	<0.05	3	1.1	<0.2
1181914	Soil	25	0.17	2326	0.005	3	1.06	0.003	0.07	0.3	0.32	3.3	0.3	<0.05	3	1.8	0.2
1181913	Soil	22	0.12	357	0.009	3	0.80	0.003	0.07	0.2	0.15	3.1	0.4	0.06	4	1.9	0.2
1181912	Soil	9	0.03	321	0.009	2	0.47	0.020	0.04	<0.1	0.08	0.4	<0.1	<0.05	2	1.6	<0.2
1181911	Soil	8	0.09	644	0.005	4	0.78	0.012	0.04	<0.1	0.41	2.5	0.1	<0.05	2	1.0	<0.2
1181910	Soil	11	0.08	377	0.002	3	0.71	0.002	0.07	<0.1	0.14	6.9	0.2	<0.05	1	1.5	0.3
1181909	Soil	15	0.03	424	0.004	2	0.52	0.003	0.07	0.1	0.08	0.4	0.2	0.05	4	0.6	<0.2
1181908	Soil	13	0.10	1045	0.007	4	0.83	0.013	0.08	0.1	0.16	2.2	0.2	0.08	3	2.1	<0.2
1181907	Soil	11	0.02	171	0.006	2	0.41	0.007	0.05	0.1	0.06	0.6	0.1	<0.05	3	0.7	<0.2
1181906	Soil	11	0.06	163	0.006	1	0.52	0.011	0.06	<0.1	0.10	1.0	0.1	0.07	2	1.2	<0.2
1384763	Soil	14	0.04	153	0.007	<1	0.73	0.013	0.05	<0.1	0.08	1.1	0.1	0.06	5	1.0	<0.2
1384762	Soil	21	0.07	786	0.007	2	1.42	0.011	0.03	0.1	0.14	1.1	0.2	0.07	6	1.1	<0.2
1384761	Soil	13	0.11	164	0.004	3	0.74	0.006	0.05	0.2	0.13	1.1	0.2	<0.05	3	1.1	<0.2
1384760	Soil	29	0.20	318	0.011	3	1.08	0.013	0.04	0.1	0.07	4.6	<0.1	0.07	4	2.7	<0.2
1384759	Soil	6	0.03	74	0.005	1	0.21	0.021	0.02	<0.1	0.04	0.3	<0.1	<0.05	1	0.5	<0.2
1384758	Soil	24	0.48	69	0.003	3	1.38	0.005	0.05	<0.1	0.08	2.6	0.2	0.08	4	0.8	<0.2
1383600	Soil	10	0.04	66	0.004	2	0.43	0.006	0.05	0.1	0.05	0.7	<0.1	<0.05	3	<0.5	<0.2
1383599	Soil	24	0.42	103	0.003	<1	1.38	0.006	0.05	<0.1	0.04	3.6	0.1	<0.05	4	<0.5	<0.2
1383598	Soil	25	0.34	191	0.002	<1	1.24	0.011	0.06	<0.1	0.06	4.5	0.2	0.15	4	1.5	<0.2
1383597	Soil	26	0.46	57	0.002	1	1.33	0.006	0.04	<0.1	0.05	2.9	0.2	0.06	3	1.3	<0.2
1383596	Soil	24	0.70	164	0.002	1	1.47	0.005	0.03	<0.1	0.06	4.9	0.1	<0.05	4	<0.5	<0.2
1383595	Soil	14	0.23	578	0.004	3	0.86	0.009	0.08	0.2	0.32	1.6	0.2	0.08	3	1.7	<0.2
1383594	Soil	19	0.32	310	0.004	4	0.93	0.005	0.11	0.3	0.33	1.5	0.3	<0.05	3	1.1	<0.2
1383593	Soil	15	0.18	422	0.005	4	0.64	0.006	0.08	0.2	0.38	1.7	0.3	<0.05	3	1.6	<0.2
1383592	Soil	18	0.28	458	0.005	3	0.89	0.010	0.10	0.2	0.22	1.9	0.2	<0.05	3	1.3	<0.2
1383591	Soil	18	0.29	473	0.002	2	1.11	0.006	0.08	0.3	0.33	2.2	0.3	<0.05	4	1.4	<0.2
1382190	Soil	9	0.04	129	0.004	2	0.53	0.005	0.03	0.2	0.09	0.4	<0.1	0.07	3	0.7	<0.2
1382189	Soil	10	0.08	106	0.012	1	0.71	0.012	0.03	0.2	0.01	0.8	<0.1	<0.05	4	0.6	<0.2
1382188	Soil	16	0.03	272	0.004	<1	0.37	0.010	0.03	<0.1	0.09	0.5	0.1	<0.05	1	<0.5	<0.2
1382187	Soil	19	0.15	148	0.003	2	1.38	0.003	0.03	0.2	0.05	1.6	0.2	<0.05	4	0.9	<0.2

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Project: CCJV  
 Report Date: December 02, 2011

Page: 5 of 8 Part 1

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WHI11001431.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1382186	Soil	4.7	21.4	12.8	84	0.2	15.4	3.1	80	2.54	18.9	4.1	2.2	7	0.2	2.2	0.2	84	0.01	0.032	9
1382185	Soil	5.9	45.6	13.5	114	0.8	25.9	12.8	1177	2.53	19.4	4.5	2.3	69	0.6	1.5	0.2	66	0.45	0.113	9
1382184	Soil	3.3	86.7	23.1	156	0.5	59.7	14.9	336	3.66	15.3	6.9	2.4	11	0.2	1.7	0.4	31	0.03	0.048	11
1382183	Soil	1.4	38.3	7.5	71	1.7	39.9	5.3	445	1.32	4.3	4.1	0.8	110	0.7	0.7	0.1	15	1.12	0.084	8
1382182	Soil	1.7	17.9	11.3	17	1.2	2.7	0.8	15	0.83	5.0	1.1	1.1	28	0.1	0.8	0.1	29	0.02	0.022	7
1382181	Soil	3.8	11.6	7.8	61	0.2	9.7	2.1	66	1.51	17.7	<0.5	0.9	7	0.1	1.6	0.2	79	0.01	0.044	9
1382180	Soil	3.9	27.2	14.3	81	0.3	13.2	2.7	77	2.09	15.9	3.1	1.3	12	0.3	1.7	0.2	60	0.04	0.078	8
1382179	Soil	2.3	23.6	10.1	29	0.2	6.4	1.3	25	0.78	8.5	1.5	0.3	13	0.1	1.6	0.2	42	0.03	0.027	6
1382178	Soil	1.7	80.0	12.9	34	0.9	10.5	1.7	73	2.48	4.2	3.0	0.7	4	0.3	0.6	0.3	45	0.02	0.077	3
1382177	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1382176	Soil	3.8	47.7	9.0	59	0.1	12.6	2.4	39	1.08	12.2	1.1	0.1	8	0.2	1.4	0.2	44	0.02	0.060	6
1382175	Soil	4.9	59.2	19.6	108	0.3	18.4	4.8	196	2.65	23.5	6.1	0.5	13	0.2	2.5	0.2	59	0.03	0.104	7
1382174	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1382173	Soil	3.0	161.2	37.2	35	0.7	8.0	1.9	43	3.22	32.4	32.9	0.4	16	<0.1	7.6	0.3	42	0.01	0.063	2
1382172	Soil	3.5	264.3	58.9	168	0.7	35.3	20.6	773	7.02	62.1	29.6	1.4	3	<0.1	3.5	0.6	37	0.02	0.074	1
1382171	Soil	1.4	519.2	47.8	71	2.2	25.7	5.1	127	2.00	6.0	11.0	0.9	13	0.3	0.7	0.2	20	0.10	0.138	4
1382170	Soil	2.8	27.3	21.2	73	0.1	23.4	9.9	283	3.77	14.8	9.2	1.9	6	0.2	0.8	0.3	38	0.03	0.084	3
1382169	Soil	0.2	29.9	6.2	12	1.2	8.4	0.8	21	0.36	0.8	2.3	0.1	19	0.2	0.2	<0.1	4	0.09	0.052	3
1382168	Soil	3.3	74.3	33.7	104	1.4	40.7	14.8	750	2.56	13.2	6.1	1.8	63	0.5	1.5	0.4	27	0.40	0.074	9
1382167	Soil	1.9	46.1	17.1	91	0.7	30.8	14.8	1066	1.80	5.8	4.1	1.6	33	0.4	0.5	0.3	23	0.21	0.072	8
1382166	Soil	5.9	93.7	29.6	62	3.6	14.0	2.1	52	3.63	147.4	22.0	1.7	263	0.1	24.0	0.2	36	0.04	0.129	8
1382165	Soil	0.9	26.2	6.8	33	1.6	11.1	3.8	174	0.68	6.1	0.7	0.1	14	0.3	1.2	0.1	15	0.06	0.037	2
1382164	Soil	0.2	35.5	2.7	5	0.7	7.3	0.9	9	0.29	<0.5	1.5	<0.1	12	0.2	0.3	0.1	6	0.05	0.034	1
1382163	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1382162	Soil	8.6	340.6	29.5	95	1.8	20.2	4.9	336	4.39	78.3	34.9	1.9	51	0.2	13.9	0.4	66	0.02	0.133	6
1382161	Soil	1.9	51.1	16.6	78	0.5	33.6	18.8	499	2.19	6.4	5.8	2.4	16	0.2	0.5	0.3	21	0.07	0.061	10
1382160	Soil	0.7	25.3	5.0	40	1.1	16.9	3.2	86	0.69	3.6	3.4	0.6	43	0.2	0.3	0.2	16	0.29	0.063	3
1385500	Soil	1.5	21.9	10.2	45	0.9	13.5	3.1	74	1.36	17.9	2.8	<0.1	7	0.1	0.9	0.1	16	0.03	0.103	1
1385499	Soil	3.4	81.6	28.6	129	1.6	39.0	15.8	614	3.54	100.2	21.9	0.6	25	0.1	4.5	0.3	23	0.09	0.116	2
1385498	Soil	3.4	145.7	37.6	183	1.2	76.1	35.5	1499	3.28	48.6	13.8	0.8	130	1.1	2.9	0.3	23	1.06	0.126	3

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 Report Date: December 02, 2011

Page: 5 of 8 Part 2

CERTIFICATE OF ANALYSIS

WHI11001431.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1382186	Soil	15	0.12	124	0.003	<1	0.91	0.003	0.03	0.2	0.02	1.1	0.2	<0.05	4	0.8	<0.2
1382185	Soil	18	0.26	991	0.003	2	1.02	0.007	0.07	0.2	0.29	2.6	0.2	0.05	3	2.7	<0.2
1382184	Soil	21	0.33	2130	0.003	2	1.12	0.009	0.04	<0.1	0.12	2.6	<0.1	<0.05	3	0.8	<0.2
1382183	Soil	12	0.23	3190	0.007	3	0.84	0.018	0.03	<0.1	0.19	2.4	<0.1	0.11	2	0.6	<0.2
1382182	Soil	7	0.02	214	0.003	1	0.38	0.010	0.04	<0.1	0.06	0.5	<0.1	<0.05	3	0.7	<0.2
1382181	Soil	8	0.03	110	0.005	1	0.41	0.003	0.03	0.2	<0.01	0.8	0.1	<0.05	4	0.7	<0.2
1382180	Soil	14	0.10	524	0.003	1	0.88	0.003	0.04	0.3	0.06	1.0	0.1	<0.05	3	1.1	<0.2
1382179	Soil	6	0.02	186	0.007	2	0.33	0.013	0.04	0.1	0.07	0.7	0.3	<0.05	3	<0.5	<0.2
1382178	Soil	31	0.07	248	0.003	2	1.00	0.008	0.04	<0.1	0.10	1.1	<0.1	<0.05	5	0.6	<0.2
1382177	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1382176	Soil	9	0.03	137	0.003	2	0.43	0.003	0.03	0.2	0.04	0.4	0.1	<0.05	3	0.6	<0.2
1382175	Soil	19	0.15	110	0.003	1	0.63	0.003	0.06	0.3	0.06	0.6	0.2	<0.05	4	1.2	<0.2
1382174	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1382173	Soil	27	0.09	141	0.007	<1	0.72	0.012	0.03	0.1	0.08	1.1	0.2	0.06	5	1.7	<0.2
1382172	Soil	69	0.38	74	0.002	<1	1.26	0.005	0.03	<0.1	0.16	4.0	0.1	<0.05	4	4.0	<0.2
1382171	Soil	34	0.14	87	0.008	1	1.20	0.009	0.04	<0.1	0.79	3.3	0.2	<0.05	2	2.3	<0.2
1382170	Soil	21	0.33	58	0.004	1	1.34	0.007	0.04	<0.1	0.04	2.0	0.1	<0.05	4	<0.5	<0.2
1382169	Soil	6	0.03	480	0.004	1	0.35	0.025	0.02	<0.1	0.16	0.8	<0.1	<0.05	<1	<0.5	<0.2
1382168	Soil	23	0.32	1889	0.002	3	1.20	0.006	0.04	<0.1	0.23	2.9	0.2	0.14	3	1.4	<0.2
1382167	Soil	20	0.20	2906	0.002	3	0.84	0.006	0.06	<0.1	0.17	2.6	<0.1	0.11	2	0.7	<0.2
1382166	Soil	30	0.05	772	0.008	3	0.74	0.009	0.05	0.1	0.52	2.4	1.4	0.16	3	4.9	<0.2
1382165	Soil	6	0.03	199	0.007	1	0.18	0.013	0.02	<0.1	0.19	0.7	0.2	<0.05	<1	<0.5	<0.2
1382164	Soil	4	0.01	182	0.006	<1	0.22	0.019	0.02	<0.1	0.14	1.0	0.1	<0.05	<1	0.8	<0.2
1382163	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1382162	Soil	30	0.20	347	0.003	2	1.14	0.005	0.07	0.2	0.31	4.2	1.6	0.12	4	4.6	<0.2
1382161	Soil	23	0.24	3501	0.002	3	1.20	0.006	0.06	<0.1	0.17	3.6	0.1	0.11	2	0.6	<0.2
1382160	Soil	10	0.06	907	0.004	3	0.32	0.013	0.03	<0.1	0.19	1.5	<0.1	0.19	<1	0.9	<0.2
1385500	Soil	13	0.04	145	0.002	1	0.25	0.013	0.04	<0.1	0.09	0.5	<0.1	0.10	1	0.5	<0.2
1385499	Soil	17	0.12	482	0.001	2	0.61	0.003	0.06	<0.1	0.23	3.0	0.1	0.11	2	1.1	<0.2
1385498	Soil	16	0.21	912	0.002	6	0.57	0.005	0.11	<0.1	0.20	4.5	0.2	0.33	1	2.2	<0.2

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Page: 6 of 8 Part 1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1385497	Soil	5.7	29.5	21.0	106	1.2	27.6	3.8	68	2.49	30.8	4.7	0.3	110	0.4	2.4	0.2	40	0.03	0.136	3
1385496	Soil	2.1	98.7	23.4	230	1.6	85.9	17.7	120	4.50	193.4	52.7	1.6	14	0.4	8.8	0.3	17	0.01	0.061	1
1385495	Soil	2.0	37.9	24.6	140	1.2	37.8	7.6	118	3.28	44.2	6.4	0.6	27	0.5	2.4	0.3	23	0.03	0.065	2
1385494	Soil	4.8	47.2	47.3	66	1.9	14.2	2.3	106	3.61	42.7	21.7	1.6	110	0.2	11.9	0.8	53	0.01	0.095	4
1385493	Soil	6.2	54.3	18.7	111	2.1	28.9	3.7	64	3.01	90.5	13.4	0.7	55	0.4	5.6	0.3	39	0.02	0.055	2
1385492	Soil	15.4	24.8	11.2	49	0.4	14.7	1.1	11	0.87	16.7	3.4	0.3	15	0.1	3.9	0.2	117	<0.01	0.041	3
1385491	Soil	7.1	37.3	18.8	52	0.7	10.7	1.4	41	2.39	38.5	4.0	0.8	24	0.1	3.2	0.3	75	<0.01	0.046	1
1385490	Soil	23.3	56.1	9.3	362	0.5	89.2	2.9	34	1.28	25.8	1.4	0.2	15	2.1	9.2	0.1	213	0.04	0.074	6
1385489	Soil	15.4	92.2	10.3	416	2.2	74.1	7.5	264	2.02	34.5	6.8	1.2	74	3.1	8.8	0.1	298	0.30	0.255	14
1385488	Soil	12.7	60.6	9.9	494	1.3	92.1	9.3	629	1.97	21.9	3.9	0.3	48	4.2	5.5	0.1	157	0.35	0.133	11
1385487	Soil	4.2	25.2	11.0	151	0.4	27.6	4.0	77	2.06	10.0	1.4	0.2	16	0.3	1.8	0.2	53	0.03	0.095	7
1385486	Soil	12.6	55.2	8.1	446	1.8	75.0	5.4	341	1.31	17.7	1.9	0.2	54	3.4	5.7	0.1	152	0.14	0.135	5
1385485	Soil	20.7	72.1	10.6	797	2.6	125.1	10.1	395	1.88	43.6	4.0	0.3	101	6.5	11.6	0.1	261	0.65	0.240	12
1385484	Soil	12.2	23.8	8.6	118	1.7	25.2	2.1	40	1.04	17.0	0.7	<0.1	18	0.4	3.6	0.1	119	0.02	0.078	5
1385483	Soil	19.8	51.8	11.2	667	2.4	145.5	11.5	289	2.86	62.4	6.6	0.6	46	4.4	11.7	0.2	229	0.63	0.204	11
1385482	Soil	6.5	26.7	9.6	308	0.5	55.6	7.8	620	1.97	20.1	2.7	0.1	64	5.2	2.6	0.1	102	4.16	0.188	5
1385481	Soil	10.7	11.1	5.3	38	0.3	5.6	0.6	9	0.50	9.8	3.6	0.2	7	0.2	3.4	0.1	69	0.02	0.036	2
1385480	Soil	4.2	72.8	28.1	175	1.4	42.3	23.9	1300	3.36	141.5	21.7	0.7	47	0.9	8.5	0.2	44	0.13	0.142	5
1385479	Soil	4.8	35.5	15.8	112	1.2	24.2	4.3	102	2.55	72.1	9.3	0.4	43	0.4	4.3	0.2	57	0.02	0.103	5
1385478	Soil	2.7	20.3	12.2	85	0.5	18.2	3.2	65	1.60	41.2	4.7	<0.1	27	0.1	3.2	0.1	32	0.01	0.092	3
1385477	Soil	2.7	44.6	41.7	219	1.7	56.8	12.3	194	5.07	49.1	3.1	2.6	39	0.4	1.9	0.3	31	0.01	0.115	3
1385476	Soil	3.0	43.4	17.1	109	0.4	22.3	10.1	750	3.49	21.2	3.2	0.3	11	0.3	1.8	0.2	43	0.03	0.076	4
1384786	Soil	0.3	8.4	1.9	8	0.2	2.0	0.8	15	0.42	<0.5	<0.5	<0.1	5	<0.1	<0.1	<0.1	11	0.03	0.017	<1
1384785	Soil	2.8	104.1	13.7	49	0.3	9.6	2.4	54	1.99	11.4	5.3	0.4	5	<0.1	1.1	0.2	41	0.02	0.036	4
1384784	Soil	4.6	104.2	26.3	108	0.6	17.5	6.2	202	5.59	13.0	12.2	1.9	7	0.3	1.6	0.6	68	0.03	0.089	5
1384783	Soil	4.1	83.5	26.1	96	2.6	27.7	4.1	115	5.17	21.2	15.2	2.1	6	0.2	2.2	0.6	49	0.02	0.061	3
1384782	Soil	5.6	24.1	14.8	101	0.7	17.9	3.7	143	3.14	22.9	5.5	2.8	10	0.3	2.8	0.3	79	0.04	0.064	10
1384781	Soil	5.0	21.6	11.9	67	0.7	12.8	2.8	81	1.72	18.8	3.3	0.6	13	0.2	2.3	0.4	56	0.02	0.057	7
1384780	Soil	2.6	39.5	11.7	34	0.8	10.6	2.5	43	1.08	7.3	1.7	0.2	30	0.4	0.6	0.3	22	0.24	0.096	3
1384779	Soil	3.2	13.0	6.8	40	<0.1	7.9	1.9	34	1.11	10.7	1.5	1.8	3	0.1	1.6	0.2	83	<0.01	0.014	10

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Project: CCJV  
 Report Date: December 02, 2011

Page: 6 of 8 Part 2

**CERTIFICATE OF ANALYSIS**

**WHI11001431.1**

Method	Analyte	1DX15															
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1385497	Soil	15	0.02	370	0.001	3	0.38	0.004	0.11	<0.1	0.15	1.0	0.3	0.26	1	2.7	<0.2
1385496	Soil	8	0.02	165	<0.001	2	0.33	0.001	0.05	<0.1	0.32	9.9	<0.1	<0.05	<1	12.0	<0.2
1385495	Soil	11	0.02	355	<0.001	2	0.40	0.004	0.08	<0.1	0.17	2.9	0.1	0.10	1	2.7	<0.2
1385494	Soil	18	0.03	324	0.001	3	0.37	0.003	0.19	0.4	1.00	4.1	1.0	0.42	2	4.2	0.6
1385493	Soil	20	0.02	575	<0.001	3	0.40	0.002	0.12	<0.1	0.61	3.4	0.3	0.22	1	7.1	<0.2
1385492	Soil	11	0.02	297	0.002	3	0.43	0.002	0.06	0.1	0.41	0.6	0.8	0.09	2	1.4	<0.2
1385491	Soil	20	0.03	432	<0.001	2	0.42	0.004	0.08	<0.1	0.59	1.9	0.5	0.10	2	3.4	<0.2
1385490	Soil	29	0.03	292	0.002	1	0.48	0.003	0.04	0.1	0.09	0.4	0.5	<0.05	3	5.4	<0.2
1385489	Soil	45	0.12	386	0.006	6	0.93	0.003	0.10	0.2	0.66	1.8	0.6	0.10	3	5.8	<0.2
1385488	Soil	24	0.08	679	0.003	2	0.67	0.006	0.07	0.1	0.26	0.9	0.4	0.08	2	3.9	<0.2
1385487	Soil	21	0.08	153	0.005	3	0.63	0.004	0.09	0.1	0.06	0.4	0.2	0.10	3	0.7	<0.2
1385486	Soil	26	0.02	696	0.003	2	0.39	0.005	0.07	<0.1	0.11	0.5	0.4	0.14	2	4.3	<0.2
1385485	Soil	44	0.07	1458	0.003	4	0.65	0.004	0.10	0.2	0.33	1.0	0.9	0.17	3	8.8	<0.2
1385484	Soil	16	0.02	129	0.002	2	0.30	0.006	0.05	<0.1	0.13	0.1	0.6	0.05	2	3.0	<0.2
1385483	Soil	32	0.14	1448	0.004	3	1.17	0.004	0.08	0.3	1.27	1.8	0.9	0.16	3	5.4	<0.2
1385482	Soil	14	0.06	1244	0.003	4	0.78	0.009	0.03	<0.1	0.41	0.7	0.3	0.22	2	1.4	<0.2
1385481	Soil	8	0.01	222	0.002	2	0.34	0.005	0.04	0.2	0.20	0.4	0.4	0.09	2	<0.5	<0.2
1385480	Soil	14	0.07	1466	0.003	4	0.70	0.006	0.10	0.1	0.73	2.7	0.4	0.28	1	2.4	<0.2
1385479	Soil	17	0.07	310	0.002	3	0.67	0.004	0.07	0.1	0.22	0.8	0.3	0.10	2	1.9	<0.2
1385478	Soil	8	0.03	168	0.001	1	0.36	0.009	0.05	<0.1	0.12	0.2	0.2	<0.05	2	1.7	<0.2
1385477	Soil	20	0.10	360	0.001	3	0.88	0.004	0.11	<0.1	0.10	4.5	0.2	0.06	3	2.4	<0.2
1385476	Soil	21	0.09	169	0.009	2	0.99	0.010	0.06	<0.1	0.05	1.2	0.1	<0.05	4	<0.5	<0.2
1384786	Soil	4	0.02	26	0.010	<1	0.24	0.023	0.02	<0.1	0.02	0.1	<0.1	<0.05	1	<0.5	<0.2
1384785	Soil	15	0.06	139	0.006	<1	0.60	0.010	0.05	<0.1	0.04	0.8	<0.1	<0.05	4	<0.5	<0.2
1384784	Soil	63	0.14	310	0.006	<1	1.41	0.006	0.04	0.1	0.05	2.1	0.1	<0.05	7	0.8	<0.2
1384783	Soil	83	0.33	131	0.002	1	1.72	0.005	0.07	<0.1	0.29	5.2	0.2	<0.05	5	5.2	0.2
1384782	Soil	18	0.14	139	0.004	1	0.91	0.002	0.04	0.3	0.12	1.3	0.2	<0.05	4	1.6	<0.2
1384781	Soil	13	0.09	104	0.006	<1	0.46	0.003	0.04	0.3	0.08	0.7	0.2	<0.05	3	0.9	<0.2
1384780	Soil	13	0.05	486	0.004	2	0.44	0.008	0.03	<0.1	0.13	0.4	0.1	<0.05	2	0.7	<0.2
1384779	Soil	8	0.02	103	0.010	<1	0.41	0.002	0.02	0.2	0.01	0.6	0.1	<0.05	4	<0.5	<0.2

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Project: CCJV  
 Report Date: December 02, 2011

Page: 7 of 8 Part 1

CERTIFICATE OF ANALYSIS

WHI11001431.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm		
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
1384778	Soil			0.9	16.2	3.7	10	<0.1	2.1	0.6	11	0.29	1.9	1.0	0.2	6	0.2	0.2	0.1	22	0.02	0.021	5
1384777	Soil			2.2	59.4	52.4	37	1.2	7.2	1.2	147	0.65	10.3	9.2	0.2	34	0.5	0.9	0.2	32	0.04	0.074	8
1384775	Soil			1.0	74.3	19.1	14	1.4	5.0	0.7	16	0.75	5.9	7.5	0.3	9	0.4	0.5	0.2	21	0.02	0.056	4
1384774	Soil			0.9	37.6	7.5	18	0.6	5.1	1.4	20	0.63	3.5	2.0	<0.1	6	0.2	0.3	0.1	13	0.02	0.036	2
1384773	Soil			0.6	72.9	8.4	14	0.4	6.7	1.2	23	0.54	1.8	1.4	<0.1	7	0.3	0.2	0.2	10	0.04	0.066	1
1384772	Soil			3.3	501.0	20.8	61	0.3	13.2	3.6	95	2.51	14.9	4.7	0.3	9	<0.1	1.0	0.3	38	0.03	0.123	4
1384771	Soil			0.9	17.8	3.9	16	0.2	3.6	1.2	24	1.27	2.1	0.6	0.2	3	0.2	0.3	0.1	27	0.01	0.026	1
1384770	Soil			1.9	81.7	16.1	13	0.1	3.3	1.1	17	0.85	3.7	1.4	0.1	5	0.1	0.5	0.2	34	0.02	0.021	7
1384769	Soil			1.7	14.7	13.9	26	0.2	6.0	1.8	37	1.76	9.2	<0.5	0.5	8	0.1	0.4	0.2	25	0.01	0.063	1
1384768	Soil			1.4	15.4	10.2	22	0.1	5.1	1.3	29	1.65	7.6	<0.5	0.3	8	<0.1	0.3	0.2	17	0.01	0.054	<1
1384767	Soil			0.7	13.0	4.9	17	<0.1	7.0	4.9	105	0.92	3.2	<0.5	0.2	10	<0.1	0.2	0.1	11	0.11	0.039	1
1384766	Soil			4.2	269.5	95.9	230	1.2	57.9	51.7	1187	6.58	17.2	27.7	2.5	13	0.1	1.0	0.5	48	0.05	0.100	3
1384765	Soil			3.0	47.9	11.3	62	0.9	11.1	2.4	58	5.28	18.0	4.1	1.1	5	<0.1	1.6	0.4	67	0.01	0.070	3
1384764	Soil			5.3	141.2	22.8	75	0.3	14.8	3.8	81	2.11	15.2	26.7	1.1	8	0.1	1.6	0.3	76	0.02	0.034	7
1382159	Soil			2.9	84.7	35.5	235	0.8	78.5	30.3	666	3.63	17.3	10.6	3.2	42	0.2	2.0	0.5	22	0.16	0.064	8
1382158	Soil			3.2	139.9	31.2	188	1.7	85.2	31.5	1090	4.19	16.7	8.0	2.8	65	0.4	1.2	0.3	16	0.39	0.098	7
1382157	Soil			6.9	204.7	67.0	78	2.9	19.3	3.0	150	5.58	116.6	32.7	1.9	142	0.4	26.3	0.3	48	0.04	0.171	11
1382156	Soil			2.7	104.3	72.0	89	2.3	30.6	16.5	818	2.53	21.4	9.7	4.0	43	0.6	2.0	0.3	30	0.08	0.077	9
1382155	Soil			1.0	22.3	6.9	34	0.4	14.0	3.3	65	0.93	1.9	2.3	0.6	23	0.1	0.4	0.1	9	0.16	0.055	5
1382154	Soil			0.9	19.0	7.8	40	0.3	22.3	4.1	159	1.01	2.6	1.3	0.7	60	0.3	0.3	0.1	13	0.51	0.051	5
1382153	Soil			1.1	78.9	13.0	123	1.4	46.9	7.8	518	1.50	4.3	4.3	1.0	184	0.7	0.7	0.2	20	1.49	0.095	11
1382152	Soil			2.9	35.2	27.1	127	1.2	35.0	13.0	378	3.10	14.9	4.3	1.5	8	0.2	1.4	0.6	39	0.05	0.102	9
1382151	Soil			3.7	11.1	9.1	38	0.2	8.0	1.6	47	0.94	9.1	<0.5	0.3	6	0.1	1.2	0.3	74	0.01	0.025	14
1185605	Soil			7.0	49.3	19.1	183	0.7	22.4	13.2	446	3.41	885.1	36.2	10.6	37	1.8	13.1	5.0	32	0.36	0.083	30
1185607	Soil			13.2	91.9	12.4	737	1.8	84.3	7.8	374	1.78	48.5	6.7	1.6	1356	11.1	22.5	0.2	338	0.81	0.149	9
1185606	Soil			7.8	99.2	31.6	87	4.2	19.9	3.0	118	10.88	97.6	12.8	1.2	39	0.3	38.4	0.5	70	0.02	0.177	2

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Project: CCJV  
 Report Date: December 02, 2011

Page: 7 of 8 Part 2

CERTIFICATE OF ANALYSIS

WHI11001431.1

Method	Analyte	1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15		1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1384778	Soil	6	0.02	81	0.005	1	0.30	0.012	0.02	<0.1	0.02	0.2	0.1	<0.05	2	<0.5	<0.2
1384777	Soil	23	0.02	158	0.002	2	0.38	0.003	0.06	0.1	0.28	0.4	0.2	<0.05	2	<0.5	<0.2
1384775	Soil	13	0.03	95	0.005	<1	0.42	0.009	0.04	<0.1	0.59	0.6	0.2	<0.05	2	1.1	<0.2
1384774	Soil	10	0.02	53	0.007	<1	0.31	0.017	0.02	<0.1	0.07	0.3	<0.1	<0.05	1	<0.5	<0.2
1384773	Soil	7	0.02	148	0.005	<1	0.34	0.015	0.03	<0.1	0.09	0.2	<0.1	0.05	<1	<0.5	<0.2
1384772	Soil	29	0.12	124	0.006	2	1.21	0.009	0.03	0.2	0.09	0.9	0.1	<0.05	4	1.4	<0.2
1384771	Soil	9	0.02	58	0.010	<1	0.37	0.017	0.02	<0.1	0.03	0.4	<0.1	<0.05	3	<0.5	<0.2
1384770	Soil	10	<0.01	76	0.009	<1	0.44	0.010	0.02	0.1	0.03	0.3	<0.1	<0.05	3	<0.5	<0.2
1384769	Soil	9	0.05	35	0.003	1	0.49	0.009	0.03	<0.1	0.01	0.9	<0.1	<0.05	4	<0.5	<0.2
1384768	Soil	9	0.08	28	0.004	<1	0.42	0.010	0.03	<0.1	0.03	0.8	0.1	<0.05	2	<0.5	<0.2
1384767	Soil	7	0.06	67	0.006	<1	0.34	0.019	0.03	<0.1	0.03	1.2	<0.1	<0.05	1	<0.5	<0.2
1384766	Soil	97	0.70	365	0.002	2	2.09	0.004	0.07	<0.1	0.09	6.7	0.1	<0.05	6	2.5	<0.2
1384765	Soil	37	0.10	105	0.004	<1	1.06	0.004	0.04	0.1	0.05	1.2	<0.1	<0.05	8	0.9	<0.2
1384764	Soil	13	0.06	134	0.009	<1	0.77	0.006	0.03	0.2	0.04	1.3	<0.1	<0.05	5	0.7	<0.2
1382159	Soil	28	0.45	1999	0.001	2	1.14	0.004	0.05	<0.1	0.18	3.7	0.1	0.07	3	1.6	<0.2
1382158	Soil	23	0.24	2037	0.001	4	1.44	0.004	0.05	<0.1	0.43	5.0	0.2	0.14	2	4.3	<0.2
1382157	Soil	50	0.08	690	0.004	1	0.88	0.005	0.07	0.1	1.06	2.6	1.4	0.11	4	6.9	<0.2
1382156	Soil	28	0.27	1476	<0.001	<1	1.26	0.002	0.06	<0.1	0.48	5.3	0.3	0.08	3	2.3	<0.2
1382155	Soil	10	0.10	1374	0.007	<1	0.47	0.016	0.04	<0.1	0.10	1.6	<0.1	<0.05	1	0.5	<0.2
1382154	Soil	14	0.17	1754	0.005	<1	0.53	0.016	0.03	<0.1	0.12	1.6	<0.1	0.06	1	<0.5	<0.2
1382153	Soil	20	0.35	375	0.005	4	0.97	0.008	0.03	<0.1	0.25	3.3	0.1	0.12	2	2.3	<0.2
1382152	Soil	29	0.23	587	0.004	1	1.03	0.005	0.05	<0.1	0.15	1.9	0.1	<0.05	3	0.7	<0.2
1382151	Soil	10	0.04	145	0.009	<1	0.57	0.005	0.03	0.2	0.02	0.3	0.1	<0.05	4	<0.5	<0.2
1185605	Soil	10	0.48	192	0.120	<1	1.55	0.035	0.23	12.2	0.06	3.3	0.3	<0.05	5	1.8	<0.2
1185607	Soil	38	0.11	>10000	0.056	<1	1.35	0.005	0.13	0.6	0.27	2.7	0.9	<0.05	3	4.2	<0.2
1185606	Soil	31	0.11	92	0.013	<1	1.57	0.033	0.76	0.5	0.75	6.0	2.0	1.95	7	13.0	0.3

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**Project:** CCJV  
**Report Date:** December 02, 2011

**Page:** 8 of 8 **Part** 1

**CERTIFICATE OF ANALYSIS**

**WHI11001431.1**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
1180773	Soil	14.2	109.9	10.3	947	3.2	139.9	4.6	279	1.28	24.4	6.8	0.5	107	9.7	10.0	0.1	252	1.01	0.169	6
1384776	Soil	1.4	187.8	87.5	43	2.5	15.9	1.7	27	1.55	14.4	46.6	0.3	83	1.1	7.3	0.3	30	0.04	0.088	7

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Page: 8 of 8 Part 2

CERTIFICATE OF ANALYSIS

WHI11001431.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1180020	Soil	15	0.11	501	0.003	1	0.50	0.005	0.00	0.1	0.50	0.0	0.0	0.0	0.5	0.0	
1180020	Soil	17	0.10	200	0.010	2	0.00	0.000	0.11	0.1	0.00	0.0	0.00	2	0.1	0.2	
1180021	Soil	20	0.11	0.0	0.000	0	0.10	0.000	0.10	0.1	0.00	0.0	0.10	0	0.0	0.2	
1180021	Soil	0.1	0.10	0.0	0.000	1	0.10	0.000	0.10	0.1	0.00	0.0	0.10	0	0.0	0.2	
1180022	Soil	10	0.20	0.0	0.000	2	0.00	0.000	0.10	0.1	0.10	0.0	0.10	2	0.1	0.2	
1180100	Soil	21	0.00	0.0	0.000	0	0.00	0.001	0.10	0.0	0.00	0.1	0.00	2	0.1	0.2	
1180021	Soil	21	0.11	0.0	0.001	1	0.10	0.001	0.20	0.1	0.11	0.0	0.10	2	0.0	0.2	
1180773	Soil	39	0.16	581	0.004	7	0.38	0.005	0.10	0.2	1.63	1.8	0.7	0.14	2	10.1	<0.2
1384776	Soil	20	0.11	250	0.004	2	0.95	0.005	0.07	0.1	13.72	1.3	1.0	0.06	3	4.3	<0.2

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 Report Date: December 02, 2011

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

WHI11001431.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
Pulp Duplicates																					
1382336	Soil	4.6	36.7	21.8	111	0.9	21.7	3.6	86	2.78	487.2	29.1	2.1	29	0.3	9.8	0.5	53	0.02	0.073	15
REP 1382336	QC	4.5	36.8	21.8	114	0.9	22.2	3.8	86	2.80	498.2	24.5	2.1	30	0.4	9.8	0.5	56	0.02	0.075	16
1382321	Soil	4.3	30.4	11.3	76	1.5	10.9	2.1	46	1.99	99.0	6.6	<0.1	17	0.2	4.2	0.2	53	0.02	0.058	6
REP 1382321	QC	4.2	30.5	11.4	75	1.5	11.0	2.1	45	1.99	98.6	5.0	0.2	17	0.2	4.3	0.2	53	0.02	0.060	6
1383735	Soil	4.3	11.1	10.2	25	0.4	5.1	1.1	22	1.02	43.2	4.9	<0.1	15	0.2	4.7	0.3	34	0.02	0.062	7
REP 1383735	QC	4.1	11.5	10.7	26	0.4	5.3	1.0	21	1.02	42.8	5.8	<0.1	15	0.2	4.8	0.4	34	0.02	0.061	7
1181919	Soil	3.4	67.0	17.6	114	0.2	24.1	5.7	284	4.04	34.0	16.5	0.8	14	0.2	3.1	0.3	63	0.03	0.070	5
REP 1181919	QC	3.1	65.8	16.8	113	0.2	23.9	5.5	285	3.98	33.8	5.1	0.7	14	0.2	3.1	0.3	63	0.03	0.071	5
1384758	Soil	3.4	41.7	27.6	95	0.3	25.3	16.7	462	3.57	18.0	2.9	2.3	6	0.3	1.1	0.3	35	0.03	0.098	3
REP 1384758	QC	3.5	38.9	27.5	90	0.3	25.4	16.7	469	3.58	17.8	0.8	2.1	7	0.4	1.1	0.3	35	0.03	0.094	3
1382183	Soil	1.4	38.3	7.5	71	1.7	39.9	5.3	445	1.32	4.3	4.1	0.8	110	0.7	0.7	0.1	15	1.12	0.084	8
REP 1382183	QC	1.2	37.7	7.7	73	1.7	40.9	5.3	452	1.34	4.1	2.7	1.0	114	0.7	0.8	0.2	16	1.08	0.088	8
1385499	Soil	3.4	81.6	28.6	129	1.6	39.0	15.8	614	3.54	100.2	21.9	0.6	25	0.1	4.5	0.3	23	0.09	0.116	2
REP 1385499	QC	3.6	82.2	28.5	132	1.7	39.1	15.7	620	3.56	99.7	24.4	0.5	25	0.1	4.4	0.3	24	0.10	0.116	3
1385491	Soil	7.1	37.3	18.8	52	0.7	10.7	1.4	41	2.39	38.5	4.0	0.8	24	0.1	3.2	0.3	75	<0.01	0.046	1
REP 1385491	QC	7.7	38.6	19.0	54	0.7	11.2	1.5	41	2.45	40.0	4.9	0.7	26	0.2	3.3	0.3	77	<0.01	0.046	2
1384779	Soil	3.2	13.0	6.8	40	<0.1	7.9	1.9	34	1.11	10.7	1.5	1.8	3	0.1	1.6	0.2	83	<0.01	0.014	10
REP 1384779	QC	3.5	13.4	6.7	41	<0.1	8.2	1.9	37	1.23	10.9	0.8	1.9	4	0.2	1.6	0.2	86	<0.01	0.014	10
1185605	Soil	7.0	49.3	19.1	183	0.7	22.4	13.2	446	3.41	885.1	36.2	10.6	37	1.8	13.1	5.0	32	0.36	0.083	30
REP 1185605	QC	6.7	51.6	19.3	185	0.7	23.2	13.4	421	3.54	893.7	39.9	10.6	37	1.7	12.9	5.2	32	0.35	0.085	30
1182632	Soil	6.6	62.2	14.5	343	1.9	63.4	7.5	1348	3.40	18.4	7.3	1.8	104	4.2	3.0	0.2	86	0.61	0.171	8
REP 1182632	QC	6.8	64.3	15.3	360	1.9	67.2	8.0	1395	3.54	18.7	5.6	1.8	107	4.4	3.0	0.2	92	0.63	0.177	9
Reference Materials																					
STD DS8	Standard	14.5	103.8	127.7	312	1.8	41.2	8.1	642	2.58	26.7	106.3	6.4	59	1.9	4.6	5.4	48	0.76	0.071	16
STD DS8	Standard	12.7	107.4	125.0	313	1.8	36.8	7.3	631	2.42	25.6	121.2	6.8	66	2.1	5.5	6.6	41	0.64	0.076	14
STD DS8	Standard	12.9	104.4	121.3	293	1.7	36.2	7.6	597	2.40	24.8	108.7	6.3	65	2.2	5.4	6.3	39	0.66	0.079	15
STD DS8	Standard	13.3	105.3	127.6	309	1.9	37.4	7.5	609	2.45	27.2	128.2	6.5	73	2.9	5.6	6.5	42	0.69	0.078	16
STD DS8	Standard	12.9	103.5	121.6	291	1.7	35.2	7.2	583	2.32	24.3	105.4	6.6	65	2.1	5.1	5.7	44	0.65	0.070	16

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Project: CCJV  
 Report Date: December 02, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

WHI11001431.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
1382336	Soil	23	0.19	357	0.004	2	0.73	0.003	0.06	0.2	0.05	1.1	0.2	0.06	3	3.5	<0.2
REP 1382336	QC	23	0.19	376	0.004	2	0.77	0.003	0.06	0.2	0.03	1.2	0.2	<0.05	3	3.6	<0.2
1382321	Soil	8	0.02	92	0.004	<1	0.36	0.009	0.04	0.1	0.04	0.2	<0.1	<0.05	3	2.0	<0.2
REP 1382321	QC	8	0.02	91	0.004	1	0.37	0.009	0.04	0.1	0.03	0.2	<0.1	0.05	2	2.1	<0.2
1383735	Soil	7	0.01	88	0.004	1	0.27	0.011	0.03	0.5	0.02	<0.1	<0.1	<0.05	2	1.3	<0.2
REP 1383735	QC	6	0.01	89	0.004	1	0.28	0.012	0.03	0.5	0.03	0.2	0.1	<0.05	2	2.6	<0.2
1181919	Soil	36	0.18	206	0.009	3	1.10	0.004	0.05	0.2	0.06	2.0	0.1	<0.05	5	1.2	<0.2
REP 1181919	QC	36	0.17	202	0.008	2	1.04	0.004	0.05	0.2	0.05	2.1	0.1	<0.05	5	1.2	<0.2
1384758	Soil	24	0.48	69	0.003	3	1.38	0.005	0.05	<0.1	0.08	2.6	0.2	0.08	4	0.8	<0.2
REP 1384758	QC	26	0.45	72	0.003	2	1.38	0.006	0.05	<0.1	0.09	2.6	0.2	0.07	4	1.1	<0.2
1382183	Soil	12	0.23	3190	0.007	3	0.84	0.018	0.03	<0.1	0.19	2.4	<0.1	0.11	2	0.6	<0.2
REP 1382183	QC	13	0.24	3555	0.009	2	0.84	0.017	0.04	<0.1	0.16	2.7	<0.1	0.11	2	1.2	<0.2
1385499	Soil	17	0.12	482	0.001	2	0.61	0.003	0.06	<0.1	0.23	3.0	0.1	0.11	2	1.1	<0.2
REP 1385499	QC	17	0.12	518	0.002	3	0.64	0.004	0.07	<0.1	0.23	3.1	0.1	0.14	2	1.4	<0.2
1385491	Soil	20	0.03	432	<0.001	2	0.42	0.004	0.08	<0.1	0.59	1.9	0.5	0.10	2	3.4	<0.2
REP 1385491	QC	21	0.03	438	<0.001	2	0.45	0.004	0.08	<0.1	0.62	1.8	0.5	0.11	2	3.7	<0.2
1384779	Soil	8	0.02	103	0.010	<1	0.41	0.002	0.02	0.2	0.01	0.6	0.1	<0.05	4	<0.5	<0.2
REP 1384779	QC	8	0.02	99	0.007	<1	0.41	0.002	0.02	0.2	0.02	0.7	0.1	<0.05	4	<0.5	<0.2
1185605	Soil	10	0.48	192	0.120	<1	1.55	0.035	0.23	12.2	0.06	3.3	0.3	<0.05	5	1.8	<0.2
REP 1185605	QC	10	0.47	197	0.113	2	1.52	0.036	0.23	12.2	0.04	3.4	0.3	<0.05	5	1.7	<0.2
1182632	Soil	15	0.14	704	0.003	4	0.56	0.005	0.08	<0.1	0.59	2.3	0.3	0.06	2	5.5	<0.2
REP 1182632	QC	16	0.14	745	0.003	4	0.56	0.004	0.09	<0.1	0.59	2.6	0.3	0.08	2	6.2	<0.2
Reference Materials																	
STD DS8	Standard	133	0.66	270	0.118	2	1.00	0.099	0.39	3.1	0.21	2.3	5.5	0.26	5	5.2	5.1
STD DS8	Standard	114	0.61	268	0.109	4	0.89	0.076	0.40	3.0	0.17	2.0	5.4	0.07	4	4.3	5.5
STD DS8	Standard	107	0.57	269	0.120	2	0.90	0.095	0.40	2.8	0.19	2.2	5.3	0.11	5	5.2	4.9
STD DS8	Standard	113	0.60	289	0.121	2	0.93	0.115	0.45	3.0	0.19	2.6	5.4	0.14	5	5.0	5.1
STD DS8	Standard	115	0.57	261	0.116	3	0.91	0.103	0.37	2.8	0.17	2.1	5.1	0.15	5	4.6	4.8

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**Project:** CCJV  
**Report Date:** December 02, 2011

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

**QUALITY CONTROL REPORT** **WHI11001431.1**

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD DS8	Standard	12.9	103.9	127.6	303	1.8	38.4	7.0	586	2.38	25.1	104.7	6.7	69	2.3	5.2	6.4	41	0.68	0.077	15
STD DS8	Expected	13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Acme Analytical Laboratories (Vancouver) Ltd.

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 Phone (604) 253-3158 Fax (604) 253-1716

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**Client:** Carlin Gold Corporation  
 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

**Project:** CCJV  
**Report Date:** December 02, 2011

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

QUALITY CONTROL REPORT

WHI11001431.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	114	0.56	270	0.115	2	0.88	0.092	0.41	3.1	0.21	2.1	5.4	0.15	5	5.0	4.6
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Acme Analytical Laboratories (Vancouver) Ltd.  
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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**Client:** Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Submitted By: Confirmation Email List  
Receiving Lab: Canada-Whitehorse  
Received: September 26, 2011  
Report Date: November 14, 2011  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI11001504.1

### CLIENT JOB INFORMATION

Project: CCJV  
Shipment ID:  
P.O. Number  
Number of Samples: 19

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	19	Crush, split and pulverize 250 g rock to 200 mesh			SMI
3B	19	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	19	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 90 days Invoice for Storage

### 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: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Report Email List



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 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: November 14, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11001504.1

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55005	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55006	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55007	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55008	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55009	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55010	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55011	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55012	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55013	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55014	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55015	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55016	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55017	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55018	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55019	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55020	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55021	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55022	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55023	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55024	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55025	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55026	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55027	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55028	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55029	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55030	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55031	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55032	Rock	1.72	2	3.3	6.7	0.7	95	0.2	13.8	0.9	288	0.13	7.2	<0.5	0.2	813	1.7	2.0	<0.1	85	21.08
55033	Rock	0.85	2	2.6	1.8	1.3	1	<0.1	2.2	0.2	32	0.35	2.1	<0.5	0.1	17	<0.1	0.9	<0.1	16	0.05
55034	Rock	1.32	2	0.3	3.6	1.3	<1	0.1	1.4	0.2	32	0.34	3.1	<0.5	<0.1	25	<0.1	0.5	<0.1	6	0.03
55035	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55036	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55037	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55038	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55039	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55040	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55041	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55042	Rock	0.75	2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	

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Client: **Carlin Gold Corporation**  
 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: November 14, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

WHI11001504.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	
55005	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55006	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55007	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55008	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55009	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55010	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55011	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55012	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55013	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55014	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55015	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55016	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55017	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55018	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55019	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55020	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55021	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
55032	Rock	0.021	4	7	0.23	983	<0.001	<20	0.05	0.007	0.01	<0.1	0.57	<0.1	0.12	0.7	2.2	<1	<0.2
55033	Rock	0.002	<1	16	0.03	429	<0.001	<20	0.09	0.002	0.04	<0.1	0.17	0.1	0.06	0.1	<0.5	<1	<0.2
55034	Rock	0.004	<1	14	<0.01	99	<0.001	<20	0.10	<0.001	0.03	<0.1	0.38	<0.1	<0.05	0.3	<0.5	<1	<0.2
55035	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55036	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55037	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55038	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55039	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55040	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55041	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55042	Rock	0.516	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: November 14, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

WHI11001504.1

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Reference Materials																				
STD DS8	Standard		13.8	112.1	129.2	315	1.8	38.0	7.6	615	2.49	26.1	111.4	6.6	72	2.2	4.7	7.8	43	0.69
STD OREAS45CA	Standard		0.7	533.1	21.2	65	0.3	269.4	93.3	932	17.05	3.8	40.2	7.4	18	<0.1	<0.1	0.2	206	0.46
STD OXC88	Standard	187																		
STD OXC88	Standard	198																		
STD OXH82	Standard	1272																		
STD OXH82	Standard	1310																		
STD OXC88 Expected		203																		
STD OXH82 Expected		1278																		
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected			1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank	<2																		
BLK	Blank	<2																		
BLK	Blank	<2																		
BLK	Blank	<2																		
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																				
G1	Prep Blank	<2	0.3	8.0	2.8	44	<0.1	2.8	3.8	525	1.92	<0.5	1.3	4.9	74	<0.1	<0.1	<0.1	37	0.47
G1	Prep Blank	<2	0.3	3.3	2.5	37	<0.1	2.0	3.3	463	1.84	<0.5	<0.5	5.2	75	<0.1	<0.1	<0.1	36	0.43

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Acme Analytical Laboratories (Vancouver) Ltd.

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 Phone (604) 253-3158 Fax (604) 253-1716

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**Client:** Carlin Gold Corporation  
 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

**Project:** CCJV  
**Report Date:** November 14, 2011

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

QUALITY CONTROL REPORT

WHI11001504.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
Reference Materials																			
STD DS8	Standard	0.077	15	116	0.60	286	0.113	<20	0.98	0.105	0.43	2.6	0.20	5.6	0.17	2.2	5.2	5	4.3
STD OREAS45CA	Standard	0.041	18	596	0.16	171	0.115	<20	3.98	0.011	0.08	<0.1	0.04	0.1	<0.05	41.0	1.0	19	<0.2
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXC88 Expected																			
STD OXH82 Expected																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4	
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
Prep Wash																			
G1	Prep Blank	0.074	11	7	0.50	154	0.121	<20	0.99	0.113	0.49	<0.1	<0.01	0.3	<0.05	1.7	<0.5	4	<0.2
G1	Prep Blank	0.066	12	6	0.48	142	0.108	<20	0.92	0.102	0.46	<0.1	<0.01	0.3	<0.05	1.7	<0.5	4	<0.2

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**Client:** Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Submitted By: Confirmation Email List  
Receiving Lab: Canada-Whitehorse  
Received: September 06, 2011  
Report Date: November 07, 2011  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI11001582.1

### CLIENT JOB INFORMATION

Project: CCJV  
Shipment ID:  
P.O. Number: X-04  
Number of Samples: 8

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 90 days Invoice for Storage

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

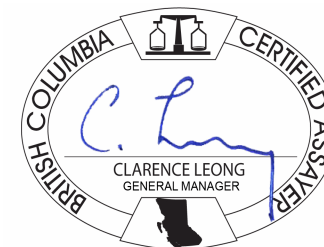
Invoice To: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Report Email List

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	8	Crush, split and pulverize 250 g rock to 200 mesh			SMI
3B	8	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	8	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

### ADDITIONAL COMMENTS



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**Project:** CCJV  
**Report Date:** November 07, 2011

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

## CERTIFICATE OF ANALYSIS

WHI11001582.1

	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
54643	Rock	2.10	4	1.0	25.4	4.4	177	0.6	43.5	5.6	42	0.84	21.0	2.0	1.7	52	1.0	2.7	0.1	9	1.07
54644	Rock	1.58	8	1.4	64.2	5.0	28	0.7	35.3	10.3	10	1.62	12.9	3.4	8.2	12	0.7	4.1	0.3	9	0.02
54645	Rock	2.40	93	0.4	7.4	8.0	2	2.0	1.0	0.2	21	0.79	5.0	69.3	1.0	28	<0.1	6.0	0.8	3	<0.01
54646	Rock	2.07	3	0.6	4.8	5.4	2	0.3	0.9	0.1	6	0.30	6.7	3.0	6.0	17	<0.1	4.1	0.1	10	<0.01
54647	Rock	1.86	2	0.3	23.9	2.8	91	0.8	29.1	2.1	61	1.36	4.1	<0.5	0.5	644	1.1	5.4	<0.1	31	2.61
54648	Rock	1.72	9	0.5	18.0	3.9	7	0.5	2.0	0.3	13	1.57	79.0	13.5	0.6	8	0.2	8.9	0.1	9	<0.01
54649	Rock	1.34	31	2.0	44.1	4.5	176	0.2	45.8	6.7	26	1.40	54.8	9.7	6.6	24	0.3	4.1	0.1	14	0.01
54650	Rock	1.84	26	1.1	41.1	9.9	77	0.5	48.9	11.1	68	2.58	151.2	6.1	6.3	47	0.2	4.9	0.2	65	0.59



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 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: November 07, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

WHI11001582.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	
54643	Rock	0.067	6	10	0.10	149	0.037	<20	0.41	<0.001	<0.01	0.3	0.28	<0.1	0.31	0.5	2.1	<1	<0.2
54644	Rock	0.033	23	10	0.07	425	0.001	<20	0.51	0.009	0.12	1.3	0.06	0.1	0.88	0.7	5.2	2	<0.2
54645	Rock	0.011	8	2	<0.01	134	0.004	<20	0.02	0.002	0.08	<0.1	0.07	<0.1	0.16	0.1	4.7	<1	<0.2
54646	Rock	0.008	20	8	0.01	1616	0.002	<20	0.29	0.006	0.14	<0.1	0.06	0.1	0.07	0.5	1.7	1	<0.2
54647	Rock	0.024	3	13	0.03	>10000	0.011	<20	0.77	<0.001	0.03	<0.1	0.05	<0.1	<0.05	0.8	1.7	<1	<0.2
54648	Rock	0.027	2	12	0.03	134	0.007	<20	0.04	<0.001	<0.01	<0.1	0.03	0.1	<0.05	0.2	6.4	<1	<0.2
54649	Rock	0.025	18	7	0.05	1279	0.001	<20	0.48	<0.001	0.20	<0.1	0.09	0.1	<0.05	1.3	1.2	1	<0.2
54650	Rock	0.060	16	50	0.51	169	0.042	<20	1.70	0.033	0.45	<0.1	0.05	0.4	1.17	4.1	3.8	4	<0.2

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 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

**Project:** CCJV  
**Report Date:** November 07, 2011

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

**QUALITY CONTROL REPORT**

**WHI11001582.1**

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Reference Materials																				
STD DS8	Standard		13.1	114.2	116.0	307	1.7	37.9	7.5	602	2.43	25.4	92.5	6.3	56	2.4	4.4	6.5	41	0.67
STD OREAS45CA	Standard		0.9	522.2	19.8	63	0.3	253.2	92.0	898	14.73	3.9	40.0	6.7	15	0.1	0.1	0.2	211	0.42
STD OXC88	Standard	200																		
STD OXH82	Standard	1317																		
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected			1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
STD OXC88 Expected		203																		
STD OXH82 Expected		1278																		
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<2																		
BLK	Blank	<2																		
Prep Wash																				
G1	Prep Blank	<2	0.3	11.6	3.2	42	<0.1	2.4	3.8	525	1.90	<0.5	<0.5	5.6	55	<0.1	1.5	0.2	35	0.44
G1	Prep Blank	<2	0.5	9.7	3.7	42	<0.1	2.1	3.5	524	1.85	<0.5	2.2	5.4	54	<0.1	9.4	0.2	35	0.45

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**Project:** CCJV  
**Report Date:** November 07, 2011

**Page:** 1 of 1 Part 2

QUALITY CONTROL REPORT

WHI11001582.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	
Reference Materials																				
STD DS8	Standard	0.080	12	109	0.61	322	0.107	<20	0.91	0.080	0.41	2.7	0.18	5.0	0.16	1.9	4.8	5	4.3	
STD OREAS45CA	Standard	0.036	16	668	0.14	162	0.132	<20	3.75	0.009	0.07	<0.1	0.02	<0.1	<0.05	35.7	0.8	18	<0.2	
STD OXC88	Standard																			
STD OXH82	Standard																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	5	
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4		
STD OXC88 Expected																				
STD OXH82 Expected																				
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2	
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
G1	Prep Blank	0.075	11	4	0.48	138	0.117	<20	0.88	0.079	0.44	<0.1	0.01	0.3	<0.05	1.6	<0.5	4	<0.2	
G1	Prep Blank	0.073	12	7	0.47	146	0.117	<20	0.88	0.084	0.45	<0.1	<0.01	0.3	<0.05	1.6	<0.5	5	<0.2	

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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**Client:** Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6 Canada

Submitted By: Confirmation Email List  
Receiving Lab: Canada-Whitehorse  
Received: September 14, 2011  
Report Date: November 09, 2011  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI11001689.1

### CLIENT JOB INFORMATION

Project: CCJV  
Shipment ID: SPEC-02  
P.O. Number: SPEC-02  
Number of Samples: 20

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 90 days Invoice for Storage

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: Carlin Gold Corporation  
320 - 800 West Pender Street  
Vancouver BC V6C 2V6  
Canada

CC: Report Email List

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	16	Crush, split and pulverize 250 g rock to 200 mesh			VAN
3B	16	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	16	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
G6Gr	1	Lead collection fire assay 30G fusion - Grav finish	30	Completed	VAN

### ADDITIONAL COMMENTS



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Client: **Carlin Gold Corporation**  
 320 - 800 West Pender Street  
 Vancouver BC V6C 2V6 Canada

Project: CCJV  
 Report Date: November 09, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11001689.1

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55531	Rock	1.69	14	1.3	62.6	22.0	19	0.8	7.5	1.8	68	1.69	448.4	2.9	1.1	47	0.2	11.3	2.6	12	0.01
55532	Rock	1.38	16	0.4	32.1	23.0	17	2.0	6.9	0.7	24	0.90	1044	6.5	0.4	172	<0.1	8.1	8.6	10	0.02
55533	Rock	0.93	34	18.7	64.8	15.6	21	1.3	2.8	0.3	60	3.00	127.5	1.8	2.5	40	0.1	5.6	0.4	119	<0.01
55534	Rock	1.14	13	33.1	45.9	26.3	21	1.5	16.8	0.3	45	1.55	112.7	<0.5	2.7	1111	<0.1	10.0	1.5	787	0.05
55535	Rock	0.48	4	0.5	34.1	29.3	138	0.9	20.7	2.6	108	1.40	2628	16.1	7.6	15	2.4	2.2	0.3	3	0.02
55536	Rock	0.72	15	15.0	33.2	10.9	27	1.6	12.8	0.5	20	0.97	770.4	<0.5	2.5	209	0.1	4.5	0.7	101	0.04

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Project: CCJV  
 Report Date: November 09, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

WHI11001689.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	G6Gr
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	Ag
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	gm/t
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	50
55531	Rock	0.025	7	23	0.04	209	<0.001	<20	0.26	0.010	0.06	<0.1	0.46	0.4	<0.05	1.3	1.5	2	0.2
55532	Rock	0.019	2	16	0.16	633	<0.001	<20	0.40	0.003	0.06	<0.1	0.72	0.3	0.12	1.1	1.0	1	0.3
55533	Rock	0.091	6	15	0.01	105	0.002	<20	0.28	0.015	0.33	0.4	0.06	0.1	0.55	1.0	22.3	3	<0.2
55534	Rock	0.224	14	54	0.02	1302	0.066	<20	1.33	0.010	0.40	0.5	0.15	<0.1	0.08	3.8	47.9	13	0.4
55535	Rock	0.019	12	3	0.01	352	<0.001	<20	0.30	0.007	0.16	0.4	0.01	0.1	<0.05	0.9	5.0	<1	0.8
55536	Rock	0.182	9	10	0.01	2455	0.003	<20	0.84	0.006	0.16	0.3	0.08	<0.1	0.10	1.8	12.5	2	0.4
55537	Rock																		
55538	Rock																		
55539	Rock																		
55540	Rock																		
55541	Rock																		
55542	Rock																		
55543	Rock																		
55544	Rock																		
55545	Rock																		
55546	Rock																		
55547	Rock																		

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**Project:** CCJV  
**Report Date:** November 09, 2011

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

QUALITY CONTROL REPORT

WHI11001689.1

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
55531	Rock	2.65	27	0.1	2.1	59.8	36	2.1	1.0	0.3	140	0.69	4620	29.0	4.2	25	0.2	13.9	18.9	<2	0.54
REP 55531	QC		28																		
55533	Rock	2.51	133	0.2	5.9	156.3	85	11.8	1.1	0.6	112	1.50	>10000	160.4	3.5	21	0.6	46.8	74.8	<2	0.28
REP 55533	QC			0.2	5.7	154.6	87	12.0	0.9	0.6	114	1.55	>10000	131.6	3.5	22	0.6	46.4	73.1	<2	0.29
Reference Materials																					
STD AGPROOF	Standard																				
STD DS8	Standard		14.5	111.2	118.7	318	2.1	38.2	7.8	611	2.48	26.3	97.9	6.4	68	2.4	5.1	6.4	41	0.73	
STD OREAS45CA	Standard		0.7	480.3	18.6	55	0.3	225.2	83.0	857	14.01	6.6	40.0	6.0	15	<0.1	<0.1	0.2	187	0.38	
STD OXC88	Standard	201																			
STD OXC88	Standard	185																			
STD OXH82	Standard	1269																			
STD OXH82	Standard	1302																			
STD SP49	Standard																				
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7	
STD OREAS45CA Expected			1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265	
STD SP49 Expected																					
STD AGPROOF Expected																					
STD OXC88 Expected		203																			
STD OXH82 Expected		1278																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank																				
BLK	Blank	<2																			
BLK	Blank	<2																			
Prep Wash																					
G1	Prep Blank	<0.01	<2	0.1	2.7	3.0	48	<0.1	2.1	3.7	558	1.92	1.4	<0.5	5.0	63	<0.1	<0.1	<0.1	36	0.47

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 Report Date: November 09, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

WHI11001689.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	G6Gr	
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	Ag
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	gm/t
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	50
Pulp Duplicates																				
55531	Rock	0.011	4	3	<0.01	21	<0.001	<20	0.19	0.041	0.15	<0.1	0.02	<0.1	0.26	0.4	0.8	<1	2.8	
REP 55531	QC																			
55533	Rock	0.010	3	3	<0.01	14	<0.001	<20	0.17	0.028	0.14	<0.1	0.04	<0.1	0.76	0.4	2.8	<1	6.9	
REP 55533	QC	0.011	3	4	<0.01	14	<0.001	<20	0.17	0.029	0.15	<0.1	0.03	<0.1	0.79	0.4	2.9	<1	6.9	
Reference Materials																				
STD AGPROOF	Standard																			93
STD DS8	Standard	0.082	15	119	0.62	291	0.118	<20	0.95	0.095	0.42	2.2	0.18	5.1	0.17	2.3	5.4	5	4.9	
STD OREAS45CA	Standard	0.035	15	605	0.15	154	0.098	<20	3.47	0.014	0.07	<0.1	0.02	<0.1	<0.05	37.3	<0.5	17	<0.2	
STD OXC88	Standard																			
STD OXC88	Standard																			
STD OXH82	Standard																			
STD OXH82	Standard																			
STD SP49	Standard																			62
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	5	
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4		
STD SP49 Expected																				60.2
STD AGPROOF Expected																				94
STD OXC88 Expected																				
STD OXH82 Expected																				
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			<50
BLK	Blank																			<50
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
G1	Prep Blank	0.080	13	6	0.48	152	0.128	<20	0.86	0.084	0.45	<0.1	<0.01	0.2	<0.05	2.1	<0.5	5	<0.2	

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# AcmeLabs

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**Project:** CCJV

**Report Date:** November 09, 2011

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

## QUALITY CONTROL REPORT

## WHI11001689.1

	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
G1	Prep Blank	<0.01	<2	<0.1	2.8	3.2	47	<0.1	2.4	3.9	571	1.99	1.2	0.8	5.6	64	<0.1	<0.1	<0.1	36	0.47



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**Report Date:** November 09, 2011

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

**QUALITY CONTROL REPORT** **WHI11001689.1**

	1DX P %	1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Tl ppm	1DX S %	1DX Sc ppm	1DX Se ppm	1DX Ga ppm	1DX Te ppm	G6Gr Ag gm/t
G1	Prep Blank	0.081	14	6	0.50	153	0.125	<20	0.89	0.084	0.46	<0.1	<0.01	0.2	<0.05	2.1	<0.5	5	<0.2

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