2012 and 2014 RC Drilling Programs
Cameron Gold Project
Cameron Gold Operations Ltd.

Compiled by

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Project Geologist

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1 Introduction

Cameron Gold Operations Ltd. (CGO)carried out two overburden drilling programs, the first in 2012 and the second in 2014. The drilling was carried out on mine lease 108400 (CLM 305) and claims 1161575 and 4254297.

In April of 2012, 36 shallow RC holes were completed for 306.1m over the area surrounding the Cameron Deposit. This drill program was designed with the intention to geologically log and retrieve till and bedrock samples for geochemical analysis to sterilize the area surrounding the Cameron Deposit.

In the spring of 2014, a total of 40 shallow RC holes were completed for 220m on the Jupiter prospect, which is located approximately 700m northwest along strike of the Cameron Gold Deposit. The program was designed to drill over anomalous areas identified by a previous till pitting campaigns completed in 2012 and 2013.

2 Location and Access

The Cameron Gold Project is located in the Kenora Mining Division in Northwestern Ontario approximately 90 km southeast of the town of Kenora. Access to the lease is via Cameron Lake Road, an all-weather, gravel road that departs east from Highway 71 about 30 km north of the town of Nestor Falls (see Figure 1).

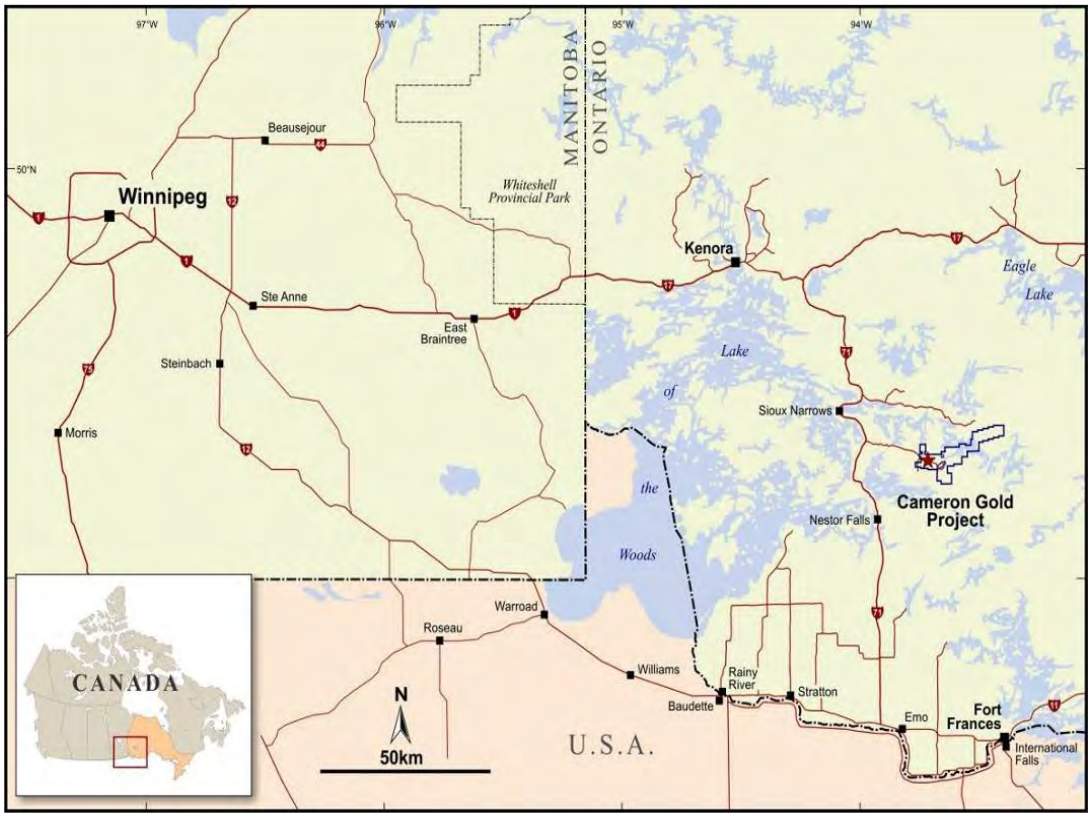


Figure 1: Location and Access to Cameron Gold Project

3 Tenure

Cameron Gold Operations Ltd. holds 100% interest of the Mine Lease 108400 and claims, 1161575 and 4254297 covered in this report (see Figure2). The company's head office is located at:

1 Yonge Street, Suite 1801
Toronto, Ontario, M5E 1W7
Canada

Figure 2 Tenure covered within this report

4 Previous Work

The Cameron Gold Deposit was discovered in 1960 by prospectors working for Noranda. Two mineralized zones were identified at surface, extending over a strike length of more than 300 metres. Between 1960 and 1973 these zones were tested by limited drilling, trenching, geophysical surveys and geological mapping by Noranda in two separate exploration phases and under option by Zahavy Mines.

In 1980 Nuinsco Resources (Nuinsco) acquired the Project from local prospectors and staked additional claims over the area. Between 1981 and 1983 Nuinsco conducted prospecting and geological mapping,

geophysical surveying and shallow drilling (19 holes for 1,734 metres). Follow-up work during 1983-1985 included drilling a further 136 diamond drill holes (31,819 metres) and 62 shallower reverse circulation drill holes (754 metres) in joint venture with Lockwood Petroleum.

During 1986 Nuinsco completed a further four diamond drill holes (744 metres) prior to entering into a joint venture with Echo Bay Mines Limited. Through this joint venture Echo Bay earned a majority equity position in Nuinsco by completing 3,238 metres of underground development. This comprised a decline and three levels of lateral drifts, as well as a further 347 metres of raise development. An underground diamond drill program was subsequently completed, comprising 552 drill holes for 28,913 metres.

In 1988 Deak International purchased Echo Bay's interest in Nuinsco and extended the decline to a vertical depth of 243 metres. A further 16 surface diamond drill holes and 55 underground diamond drill holes were completed before Deak withdrew from the Project, after which Nuinsco regained 100% ownership.

The Project remained dormant until December 1995, when Cambior entered a joint venture agreement with Nuinsco. Cambior completed 13 diamond drill holes (8,012 metres) targeting the western and eastern extensions of the mineralization, and testing the main zone at depth. The results received from this work lead Cambior to withdraw from the Project as it did not fit the corporate objectives of the company. In November 2003 Nuinsco completed a further 13 diamond drill holes for 1,846 metres, evaluating the area above the 243 metre level for the extension of high-grade mineralization intersected in earlier drilling. This program was later followed up with a small, two-hole diamond drilling program (1,063m) in December 2004.

Coventry Resources Ltd acquired the Cameron Gold Project in 2010, which is managed and operated by its subsidiary Cameron Gold Operations Ltd (CGO). In October 2010 a low-level airborne magnetic gradiometer survey was flown over the entire project area. An Induced Polarization (IP) survey was conducted in 2011, in total 142 line kilometres of IP data was acquired over and along strike of the Cameron Deposit. In 2012, CGO implemented an orientation surface geochemical pit excavation program around the Cameron Gold Deposit to define the geochemical signature of the deposit. This was followed up in 2013 and 2014 with two additional geochemical pit excavation programs on the claims surrounding the Deposit. Between 2010 and 2013 CGO completed 244 diamond drill holes for 36,190m over the Cameron Gold Deposit to further define the resource.

5 Regional Geology

The Cameron Lake Area is underlain by rocks of the Archean, Savant Lake-Crow Lake metavolcanic-metasedimentary belt in the Wabigoon Subprovince of the Canadian Shield. It occurs within a region of greenstone metavolcanic rock, bounded by granitoid batholiths such as Nolan lake stock. The area is cut by a number of major faults, the Cameron Lake Shear Zone (CLSZ), a northwest-southeast trending zone of high strain that hosts the gold mineralization of the Cameron Deposit. CLSZ is a splay off the Pipestone-Cameron Fault a district sized northwest striking structure that separates the Rowan Lake Greenstone Terrane from the Kakagi Greenstone Terrane to the SW. This northwest striking, steeply

northeast dipping fault is a significant zone of deformation and displacement which has been defined for over 100km of strike length and has characteristics similar to the regional “breaks” recognized in other Canadian Archean gold camps. The Monte Cristo Shear Zone is another main structure in the region striking NE-SW, to the east of the CLSZ (see Figure 3). The Monte Cristo Shear Zone has gold occurrences along its length most notably Monte Cristo and Victor prospects also held by Cameron Gold Operations Ltd.

The Cameron Deposit sits within the southern limb of the Shingwak Lake anticline and north-west of the Nolan lake stock a large felsic intrusive body. The Nolan Lake Stock is a dual composition intrusion comprising of a granodiorite centre and a magnetically 'noisy' monzonite outer rim.

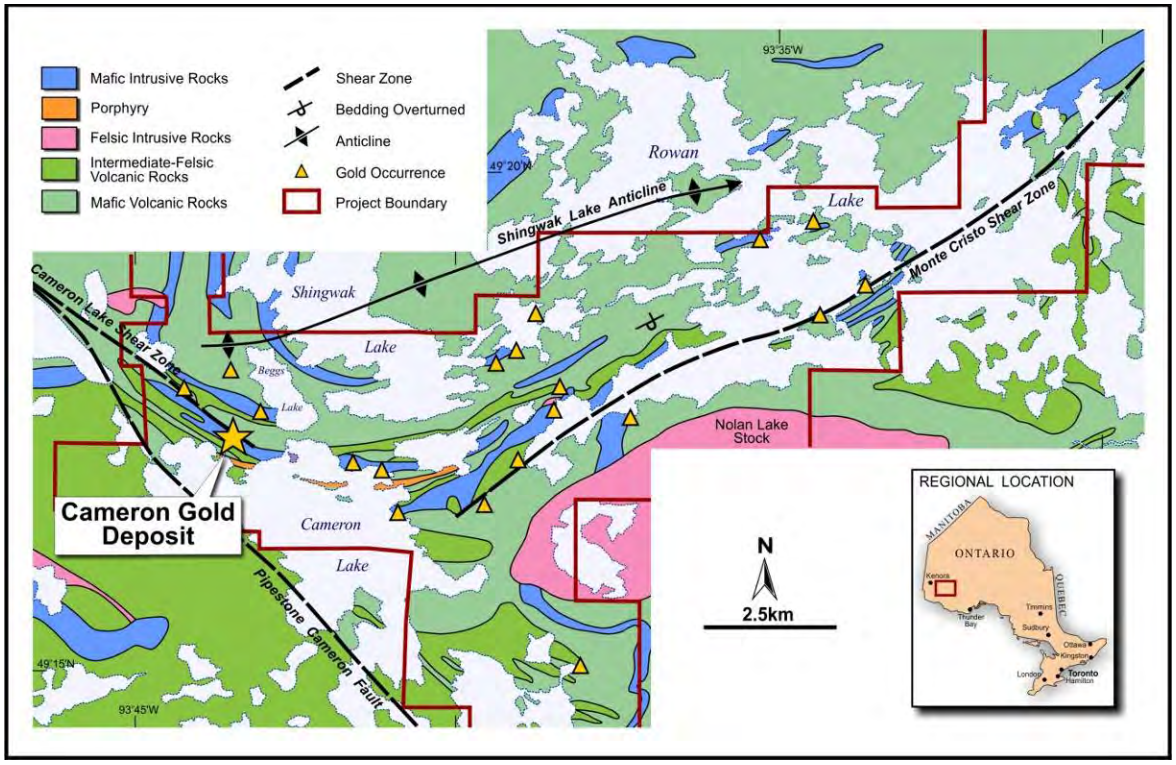


Figure 3: Regional structures in relation to Cameron Gold project boundaries

6 Local Geology

The Cameron Deposit occurs in the Cameron Lake Shear Zone, a brittle-ductile deformation zone consisting of both branching and en-echelon shears of variable widths. The CLSZ is locally extensively altered to carbonate-sericite schist in the hanging wall of the shear and is dominated by fuchsite and chlorite schist in the footwall. Gold distribution occurs in quartz-breccia veins and as structural controlled altered zones with an abundance of pyrite (Melling, 1986). Gold mineralisation is present in the hanging wall of the CLSZ, while the footwall of the shear zone despite a few exceptions remains less mineralised. The following five alteration assemblages have been identified by Cameron Gold operations and are listed in from medial to proximal distance to the gold mineralization. Assemblages’ iii-iv would be expected to carry significant grade if identified in drill core.

i) Disseminated carbonate-chlorite
ii) Pervasive to semi-pervasive carbonate±sericite
iii) Pervasive carbonate-sericite-pyrite
iv) Pervasive chlorite-sericite-silica-hematite-carbonate-pyrite±magnetite
v) Pervasive carbonate-sericite-silica-albite-pyrite

Pyritic alteration is most common within the fragments of the breccia veins and in the altered rocks enveloping them, as well as tertiary structures that splay off of the CLSZ. Gold distribution has a strong correlation to the abundance of fine-grained disseminated pyrite present.

The presence of a mafic dolerite unit in the structural footwall provides a rheological contrast with overlying pillowed basalt unit which is suspected to intensify shear development locally. This shear development is represented by both thicker shear zone intervals as well as local increase of splays off the CLSZ. An increase in abundance of splayed shears provide further opportunity for gold baring fluid to travel, deposit and concentrate in its Fe-rich host rock. The results of the exploration programs conducted to date provide ample evidence of widespread gold mineralization within the Cameron Deposit.

The Cameron tenements are covered by a relatively thin (frequently less than 5m) overburden profile that is variegated in terms of composition. Subglacial Lodgement till commonly deposited as a thin veneer just above the bedrock and when bedrock is reached this unit is often observed within the excavated pits. In areas of higher relief the lodgement till at times represents the only overburden unit observed. In low level topography glaciolacustrine sediments are commonly observed and are interpreted to be deposited at a time of glacial retreat analogous to the glaciolacustrine sediments of Lake Agassiz. Clay, Silt, Sand and mix units are often encountered in the Cameron Lake area and are depleted in clastic material compared to the surrounding till units. Rhythmically layered likely varved clay and silt material is commonly encountered, as well as massive sand and silt units. Supraglacial till and boulder lags are observed often close to the top of pits, these units are 1.5 metres or less in thickness and represent a period of glacial retreat. Supraglacial till is more bouldery and less compact in comparison to subglacial lodgement till at times difficult to distinguish (Cooper, 2013).

In the Cameron Lake area two unique glaciofluvial units are encountered. The first is a red ochre stained unit, approximately one meter in thickness and an aquifer that was intersected sporadically. The second unit represents one of the thickest sedimentary units and occurs NW of the Cameron gold deposit. The glaciofluvial units are clast supported with rounded clast and imbrication is commonly observed Cooper, 2013).

7 Exploration Program

Cameron Gold Operations Ltd carried out two overburden drilling programs, the first in 2012 and the second in 2014. Cameron Gold Operations Ltd. geologists designed and managed the programs. Refer to Figure 4 for collar location in relation to the Cameron Gold Deposit. Cabo Drilling of Kirkland Lake, Ontario, was the drilling contractor (see Figure 5).

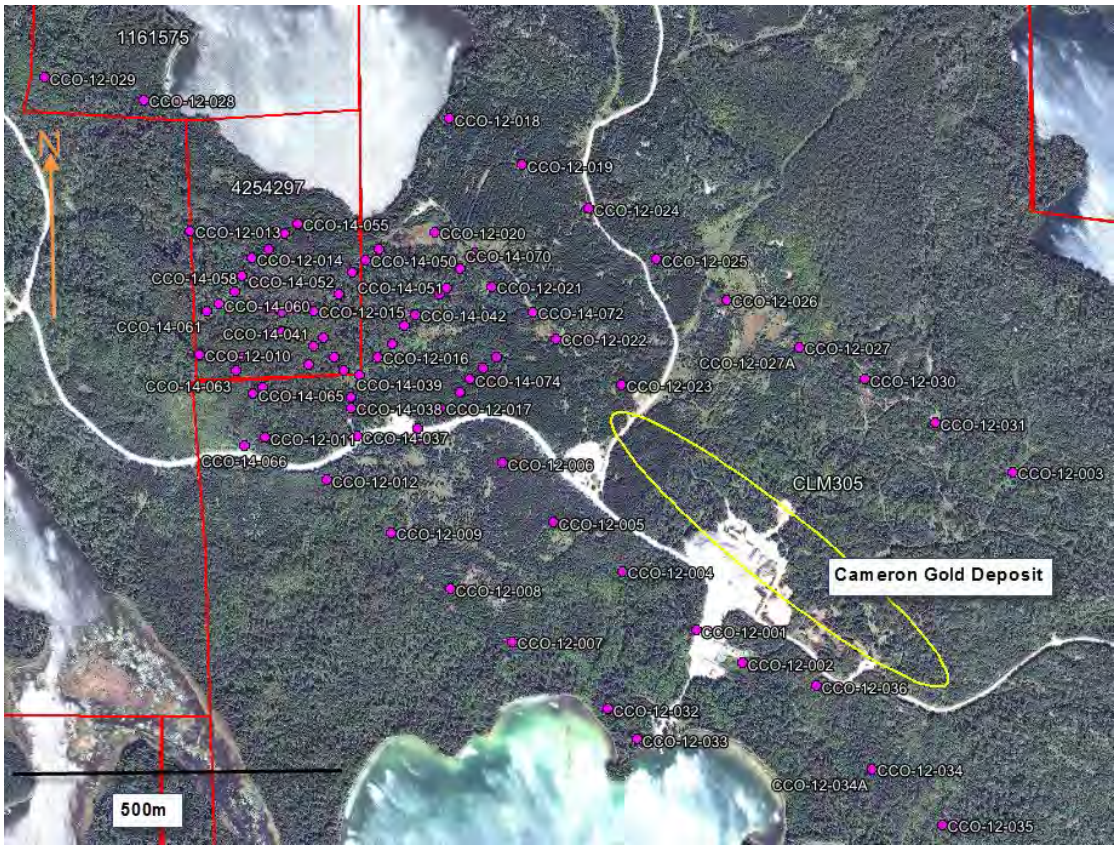


Figure 4: Collar location in relation to Cameron Gold Deposit

In April of 2012, 36 shallow RC holes were completed for 306.1 metres over the area surrounding the Cameron Deposit. This drill program was designed with the intention to geologically log and retrieve till and bedrock samples for geochemical analysis and to sterilize the area surrounding the Cameron Deposit.

In the spring of 2014, 40 shallow RC holes were completed for 220 metres on the Jupiter prospect located approximately 700 metres northwest along strike of the Cameron Gold Deposit. The program was designed to drill over anomalous areas identified by a previous till pitting campaigns in 2012 and 2013. The aim of the program was to identify bedrock gold and pathfinder element geochemistry, identify alteration characteristics and map the bedrock lithologies.

7.1 Overburden Drilling

The drillholes CCO-12-001 to CCO-12-036 were spaced at approximately 200 metre centres along four NE-trending traverses spaced approximately 300 metre apart, two traverses to the west of the Cameron deposit, one traverse to the east of the deposit and one along strike to the north of the deposit. The average end of hole depth for this program of drilling was 8 metres. A skid mounted rig was used for the 2012 reverse circulation drill program, refer to Figure 5.

Figure 5 Skid mounted reverse circulation drill rig, Cameron 2012

The drilholes CCO-14-037 to CCO-14-076 were spaced at approximately 30 metres apart along four NE-trending traverses spaced approximately 100 metres apart on the Jupiter prospect located northwest of the Cameron Gold Project. The average end of hole depth for this program of drilling was 5.5 metres. A Nodwell track mounted rig was used for the 2014 reverse circulation drill program.

Access for drilling was gained by utilizing trails already in place from previous drill and pitting programs.

7.2 Reverse Circulation Sampling Method

Overburden samples were collected and bagged by the Cameron Gold employees at the drill rig as the hole was being drilled. Sample collection started when drilling entered the preferential Labradorean subglacial till. The Labradorean (Whiteshell) till, is typified by a sand-silt dominant matrix with rock clasts. Where mafic and sedimentary clasts dominate the till, it is interpreted to be indicative of a proximal (Cameron) bedrock provenance. Favorable sand units were also sampled if they were suspected to be part of the Labradorean package.

The till was recovered using a $2^{15}/_{16}$" tricone bit with a combination of air and water to circulate the returns. Samples of clay to pebble-sized sediment particles and cm-sized cuttings of boulders and bedrock are flushed to surface where they are logged and bulk samples weighing 8 to 10 kg are collected.

Samples were collected via a cyclone using a two pail recovery system. The first pail covered by a ¼" screen collected the coarser material, a pipe leading from the first pail to the second pail then collected the finer material. The recovered material from both pails was then screened so that only the fines (<1mm) were collected for heavy mineral analysis. A small representative sample of coarser material collected from the ¼" screen was added to the sample. Sample intervals varied between 0.5 metres and 2 metres depending on the amount of material being recovered. Depth and general character of the each sample was recorded. Drilling normally proceed at least 1.5 metres into bedrock.

A representative sample of the bedrock intersection was also collected and bagged. Appendix I and Appendix II contains the drill hole logs and the sample description respectively.

7.3 Sample Preparation and Examination

Till samples from the 2012 and 2014 RC drill program were shipped to Overburden Drilling Management (ODM) in Nepean, Ontario. ODM has considerable experience in testing gold dispersal train anomalies in tills and provided guidance leading into and throughout the 2012 drilling campaign. ODM prepared the samples for examination and further analysis (see Figure 6). A split fraction of the bedrock samples were submitted directly to Actlabs for multi-element geochemical analyses.

ODM prepared heavy mineral concentrates (HMC) from the bulk till and related overburden samples using shaking table pre-concentration followed by heavy liquid sink-float separations (specific gravity 3.3). The concentrates were micro-panned and any observed gold grains in the samples were counted, measured and classified according to degree of wear (pristine, modified and reshaped). Quantitative gold values were also calculated based on the observed gold grains (Appendix III, Appendix IV). The HMC samples were submitted to Actlabs Ltd, Ancaster for geochemical analysis.

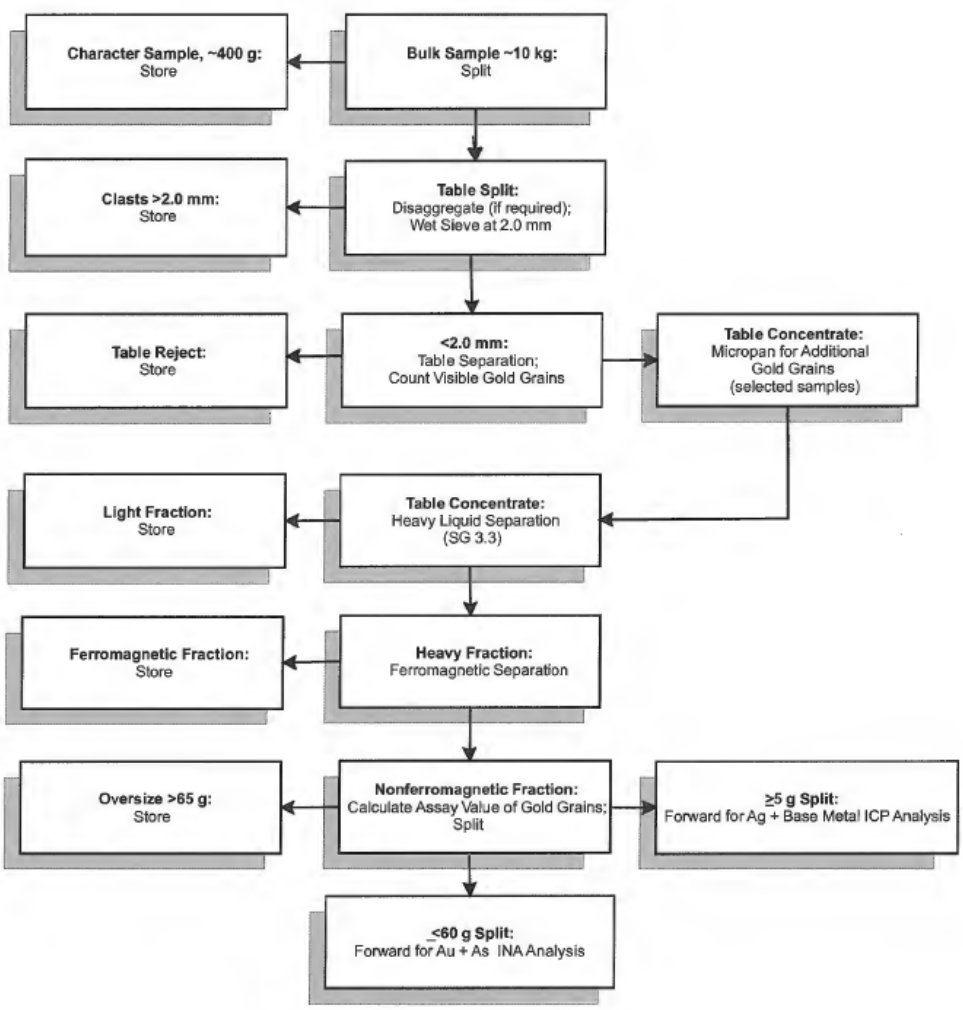


Figure 6: Gold grain count and Heavy Metal Concentrate (HMC) preparation flowchart

7.4 Analytical Procedures

The HMC samples were analyzed for a package of 34 elements by the instrumental neutron activation (INAA) method (Actlabs Code: 3A), with an additional sample analyzed for Ag, Cd, Cu, Mn, Mo, Ni, Pb, S and Zn by Aqua Regia extraction with inductively coupled plasma/optical emission spectrometry determination (AR-ICP/OES) (Actlabs Code: 3C). Results in (Appendix IV)

The bedrock samples from the 2012 and 2014 RC drill programs were analyzed for a package of 35 elements by the instrumental neutron activation (INAA) method using a 25 to 30 g aliquot after milling (Appendix VI). Of these 35 elements, Au and As are quantitative but most of the others are either too qualitative to be useful or of limited exploration interest. Therefore a second, 5 g milled split was analyzed quantitatively for the nine key indicator elements Ag, Cu, Pb, Zn, Ni, Cd, Mo, Mn and S by inductively coupled plasma/optical emission spectrometry following aqua regia acid digestion (AR-ICP/OES). In addition, a pressed pellet was analyzed by fusion x-ray fluorescence spectroscopy (FUS-XRF) for twelve whole rock oxides and loss of volatiles on ignition and subsequently for CO2 by infrared methods.

8 Conclusions and Recommendations

The 2012 overburden drill program was designed to test the bedrock for the purpose of sterilizing the area around the Cameron Gold Deposit. The highest returned bedrock assay for the 2012 RC program was 18ppb Au. The RC holes located north east and south west of the Cameron Gold Deposit were successful in sterilizing the area as no bedrock assays above detection limit (2.5ppb) were returned. Three bedrock samples to the north west of the Cameron Gold Deposit returned gold assays above detection limit. They are as follows; CCO-12-010; 18ppb, CCO-12-014; 12.0 ppb and CCO-12-015, 10ppb.

The 2014 overburden drill program was an exploratory program over the Jupiter prospect, designed to follow up gold-in-till anomalies identified by previous till pitting campaigns in 2012 and 2013. The aim of the program was to constrain the known till anomaly and at the same time map the bedrock lithologies, identify any alteration within the bedrock and provide a bedrock sample for gold and pathfinder element geochemistry. The bedrock intersected appears to outline a sequence of basalt transected by a northwest-trending shear zone with porphyries located at its margins. This program was successful in further highlighting anomalous gold values within the Jupiter prospect

Both overburden drill programmes allowed a better understanding of the geology surrounding the Cameron Gold Deposit. A diamond drilling program was recommended to try and locate the anomalous gold in bedrock identified by the 2014 overburden drilling.

9 References

Cooper, D., 2013, Cameron Pitting Memorandum, (Unpublished Company report).

Melling, D. R., 1986, Geological setting, structure, and alteration associated with gold-pyrite mineralization in mafic volcanic rocks at Cameron Lake, Wabigoon Subprovince, Northwestern Ontario. Unpublished MSc Thesis, Carleton University, Ottawa, 112p

Appendix 1: Drill Hole Logs

Overburden Drilling Management Limited

Date: 20/04/2012 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 1

Hole No.: CCO-12-001 **Site No.:** 019 **Location:** _____ **Elevation:** _____

Geologist: AB **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: _____ **Move and Setup Time:** _____ **Drilling Time:** _____

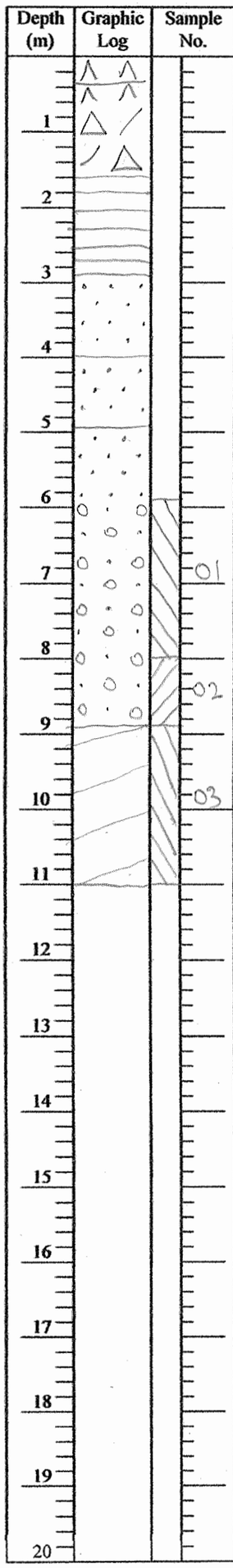
Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H273111 **Bit Footage:** 20-31 m



Descriptive Log

0-0.6 m: Organics + clay

0.6-1.6m: Till (undifferentiated?)
- Oxidized beige
- Gritty clay/silt matrix. Matrix-supported
- Pebbles and cobbles (granitoid + mafics)

1.6-2.9m: Clay
- Slight grittyness. No clasts.
- Moderately compact
- Grey

2.9-5.9 m: Sand
- Fine-grained beige sand
- Contains small amounts of gritty clay interbeds
- Occasional mafic or granitoid pebbles

5.9-8.9m: Gravel
- Sorted granular matrix. Matrix-supported.
- Pebbles with a few cobbles; 60% mafics + seds, 40% granitoid. Pebbles were rounded.
- Matrix has mottled colour.
- Sample 2 was washed.
- Bottom of unit appears weathered and contains some rubble

8.9-11m: Bedrock
- Light green with some quartz veining
- Soft, well-foliated.
- Moderate sericite alteration. Non-calcareous
- Aphanitic. Strong pervasive chlorite alteration
- Minor saprolite and spotty oxidation
- Chlorite schist (Psc)

11m: EOH

Overburden Drilling Management Limited

Date: 20/04/2012 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 1

Hole No.: CCO-12-002 **Site No.:** 020 **Location:** _____ **Elevation:** _____

Geologist: AB **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: _____ **Move and Setup Time:** _____ **Drilling Time:** 9:30 - 10:10 a.m

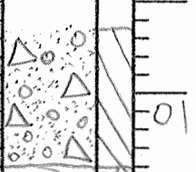
Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H273111 **Bit Footage:** 31 - 37.8 m

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1–20		01 02	0 - 3.3 m: No Return 3.3 - 4.8 m: Labradorean Till • Unsorted beige very fine-grained sand + silt matrix • Matrix-supported • Pebbles and cobbles: 60% mafics + sedimentary, 40% granitoid • Sample 1 washed 4.8 - 6.8 m: Bedrock • Dark green • Strong calcite alteration. Moderate chlorite alteration. • Moderate foliation • Aphanitic • Basalt (MB) 6.8 m: EOH

Overburden Drilling Management Limited
Reverse Circulation Drill Hole Lo

Date: 20/04/2012 2010 **Page:** 1 of 1

Hole No.: CCO-12-003 **Site No.:** 009 **Location:** _____ **Elevation:** _____

Geologist: AB **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: _____ **Move and Setup Time:** _____ **Drilling Time:** 11:00-11:50 a.m.

Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H273111 **Bit Footage:** 37.8 - 42.8m

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0-1m: Clay/Silt • Beige, gritty • occasional pebbles (granitoid + mafic volcanic)
2		01	
3			1-1.1m: Boulder • Basalt
4		02	
5			1.1-2.7m: Labradorean Till • Unsorted straw-coloured very fine-grained sand + silt matrix. Matrix-supported • Pebbles + cobbles with mafic to granitoid clast ratio of 40/60 at the top that transitions to 70/30 at the bottom
6			
7			
8			
9			2.7-5m: Bedrock • Moderate calcite-chlorite alteration • Dark green • Contains minor calcite veins • Aphanitic • Fresh • Basalt (MB)
10			
11			
12			
13			
14			
15			5m: EOH
16			
17			
18			
19			
20			

Overburden Drilling Management Limited
Reverse Circulation Drill Hole Lo

Date: 20/04/2012 2010

Page: 1 of 1

Hole No.: CCO-12-004 **Site No.:** 018 **Location:** **Elevation:**

Geologist: AB **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: **Move and Setup Time:** **Drilling Time:** 1 - 2:50 p.m.

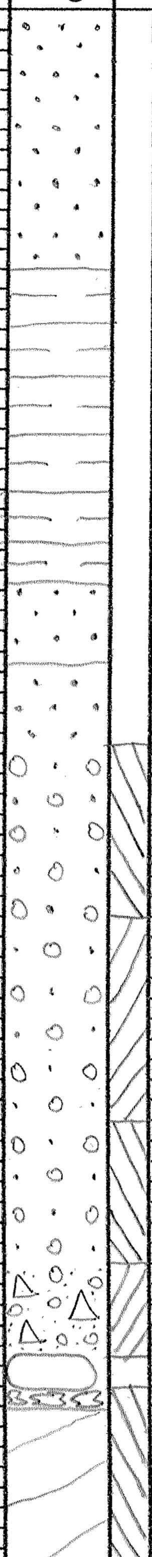
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. H273111 **Bit Footage:** 42.8-58.2 m

Depth (m)	Graphic Log	Sample No.	Descriptive Log
0–20		01, 02, 03, 04, NS, 05	

0-2.6m: Sand
- Fine-grained, straw-coloured
- Rare pebbles

2.6-5.8m: Varved clay/silt
- Minor grit at the top of unit
- Grey, slightly compact
- Rare dropstones

5.8-7.3m: Sand
- Beige very fine-grained sand
- Minor gritty clay interbeds
- Occasional mafic or granitoid pebbles

7.3-12.4m: Gravel
- Mottled sorted granular matrix. Matrix-supported.
- Minor very fine-grained sand
- Pebbles with rare cobbles: 60% mafics + sedimentary, 40% granitoid
- Sample 3 washed

12.4-13.3m: Labradorean Till
- Very fine-grained beige sand + silt matrix.
- Matrix-deficient
- Pebbles + cobbles: 70% mafics + sedimentary, 30% granitoid
- Sample 4 washed

13.3-13.6m: Dolerite Boulder

13.6-13.8m: Rubble

13.8-15.4m: Bedrock
- Non-calcareous
- Minor saprolite
- Dark green
- Medium-grained, interlocking grains
- Moderate pervasive calcite-chlorite alteration.
- Dolerite (MD)

15.4m: EOH

Overburden Drilling Management Limited

Date: 20/04/2012, 21/04/2012, 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 2

Hole No.: CCO-12-005 **Site No.:** 017 **Location:** _____ **Elevation:** _____

Geologist: AB **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: _____ **Move and Setup Time:** _____ **Drilling Time:** _____

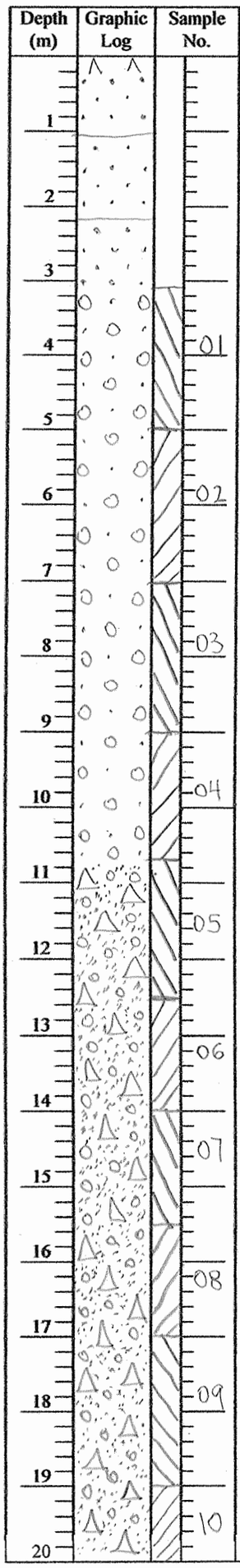
Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H273111 **Bit Footage:** 58.2 - 80.8m



Descriptive Log

0 - 0.2m: Organics

0.2 - 3.1m: Sand
- Fine-grained, light brown sand
- Minor clay interbeds
- Contained a few pebbles

3.1 - 10.7m: Gravel
- Sorted granular and coarse sand matrix.
- Matrix-supported
- Pebbles and cobbles: 70% mafics + sedimentary, 30% granitoid
- Brown-stained water
- Pebbles with medium-grained pyrite observed in Sample 1. Pyrite grains or granules observed in Sample 2.
- Samples 2,3,4 were washed. Sample 3 undersized (~7kg)

10.7 - 20.3m: Labradorean Till
- Unsorted beige very fine-grained sand + silt matrix.
- Matrix-supported
- Pebbles and cobbles: 70% mafics + sedimentary, 30% granitoid
- Sample 9 washed

Overburden Drilling Management Limited

Date: 2010 **Reverse Circulation Drill Hole Lo** **Page:** 2 of 2

Hole No.: CCO-12-005 **Site No.:** _____ **Location:** _____ **Elevation:** _____

Geologist: _____ **Drilling Company:** Cabo Drilling **Driller:** _____

Travel Time: _____ **Move and Setup Time:** _____ **Drilling Time:** _____

Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. _____ **Bit Footage:** _____

Depth (m)	Graphic Log	Sample No.	Descriptive Log
0		10	20.3-20.7m: Basalt Boulder
1		NS	20.7-20.9m: Rubble
2		11	20.9-22.6m: Bedrock • Minor beige rock clay • Weak calcite alteration • Tuffaceous with mafic matrix • Mafic crystal tuff (MTX)
3			
4			
5			
6			
7			
8			
9			
10			22.6m: EOH
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Overburden Drilling Management Limited
Reverse Circulation Drill Hole Lo

Date: 21/04/2012 2010 **Page:** 1 of 1

Hole No.: CCO-12-006 **Site No.:** 016 **Location:** _____ **Elevation:** _____

Geologist: AB **Drilling Company:** Cabo Drilling **Driller:** _____

Travel Time: _____ **Move and Setup Time:** _____ **Drilling Time:** _____

Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H272711 **Bit Footage:** 0-14.5 m

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0-1.2m: No Return
2		01	1.2-12.7m: Labradorean Till
3			• Unsorted brown very fine-grained sand + silt matrix containing some mica specks. Matrix-supported.
4		02	• Water was stained brown to ~8m depth. Below this, water was beige.
5			• Pebbles and cobbles with mafics + seds to granitoid ratio of 70/30 at 1.2-8m and 60/40 at 8-12.7m
6		03	• Sample 1 undersized (~7.5kg). Samples 1,6 washed.
7			• Mafic boulders at 2 and 3m depth; Granitoid boulder at 3.5m.
8		04	12.7-14.5m: Bedrock
9			• Moderate calcite alteration
10		05	• Trace medium-grained pyrite occuring as clusters
11			• Trace leucoxene
12		06	• Tuffaceous with mafic matrix
13			• Mafix crystal tuff (MTX)
14		07	
15			
16			14.5m: EOH
17			
18			
19			
20			

Overburden Drilling Management Limited

Date: 22/04/2012 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 1

Hole No.: CCO-12-007 **Site No.:** 036 **Location:** _____ **Elevation:** _____

Geologist: AB **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: _____ **Move and Setup Time:** _____ **Drilling Time:** 7:45 - 8:50 a.m.

Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H272711 **Bit Footage:** 14.5 - 22.5 m

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0 - 1.1 m: Clay/silt • Gritty, brown • Occasional pebbles
2			
3		01	1.1 - 5.3 m: Gravel • Sorted granular matrix. Matrix-supported. • Returned as pulses of granular matrix followed by pulses of clasts • Clasts were mostly pebbles, 70% mafics + seds, 30% granitoid • Brown-coloured water • Sample 2 washed
4			
5		02	
6			
7		03	
8			5.3 - 8m: Bedrock • Non-calcareous, moderate pervasive chlorite alteration • Slightly weathered • Contains quartz - potassium feldspar veins • Trace leucoxene • Fine-grained, interlocking grains. • Dark green • Basalt (MB)
9			
10			
11			
12			
13			
14			
15			8m: EOH
16			
17			
18			
19			
20			

Overburden Drilling Management Limited

Date: 22/04/2012 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 1

Hole No.: CCO-12-008 **Site No.:** 035 **Location:** _____ **Elevation:** _____

Geologist: AB **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: _____ **Move and Setup Time:** _____ **Drilling Time:** 9:20 - 11 a.m.

Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H272711 **Bit Footage:** 22.5 - 33.5 m

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0-1.7m: Clay • Slight grittyness • Moderately compact • Oxidized beige
2			
3		01	1.7-3.9m: Sand • Very fine-grained beige sand • Occasional pebbles (mafics and granitoids)
4			
5			3.9-11m: Bedrock • Non-calcareous • Quartz vein (ZQV) with hematite staining • Hematite staining stained the water ochre • Sample 4 undersized (~3 kg)
6		02	
7			
8		03	
9		04	
10		05	
11			11m: EOH
12			
13			
14			
15			
16			
17			
18			
19			
20			

Overburden Drilling Management Limited

Date: 22/04/2012 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 1

Hole No.: CCO-12-009 **Site No.:** 034 **Location:** _____ **Elevation:** _____

Geologist: AB **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: _____ **Move and Setup Time:** _____ **Drilling Time:** _____

Moving Problems: Dozer got hung-up in swamp. Successfully freed.

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H272711 **Bit Footage:** 33.5-41.5m

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0-2.1m: Varved clay/silt • Gritty, grey • Moderately compact • Minor granules and pebbles
2			
3		01	2.1-4.1m: Labradorean Till • Light brown very fine-grained sand + silt matrix • Matrix-supported. Very matrix rich to ~3.1m • Pebbles and cobbles: 70% mafics + sedimentary, 30% granitoid • Sample 1 washed
4			
5			
6		02	
7			
8			4.1-8m: Bedrock • Dark green • Moderate pervasive chlorite alteration, moderate patchy calcite alteration • Contains calcite veinlets, some of which are hematite-stained • Trace leucoxene • Fine-grained, interlocking grains • Weak foliation • Basalt (MB)
9			
10			
11			
12			
13			
14			
15			8m: EOH
16			
17			
18			
19			
20			

Overburden Drilling Management Limited
Reverse Circulation Drill Hole Lo

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Hole No.: CCO-12-010 **Site No.:** 031 **Location:** _____ **Elevation:** _____

Geologist: _____ **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: _____ **Move and Setup Time:** _____ **Drilling Time:** 2:25-3:40 p.m.

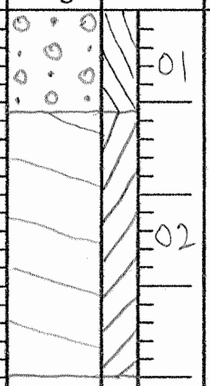
Moving Problems: _____

Drilling Problems: Re-positioned drill to avoid a surface boulder

Mechanical Problems: _____

Consumables: _____

Bit No. H272711 **Bit Footage:** 41.5-45.5m

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1		01	0-1.1m: Gravel? • No return at 0-0.4m • Matrix-deficient • Pebbles and cobbles: 80% mafics + sedimentary, 20% granitoid • Sample 1 washed, undersized (~8Kg)
2			
3		02	
4			
5			1.1-4m: Bedrock • Moderate pervasive calcite-chlorite alteration • Dark green • Well foliated • Fine-grained, interlocking grains • Fresh • Basalt (MB)
6			
7			
8			
9			
10			
11			
12			4m: EOH
13			
14			
15			
16			
17			
18			
19			
20			

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Date: 22/04/2012 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 1

Hole No.: CCO-12-011 **Site No.:** _____ **Location:** _____ **Elevation:** _____

Geologist: AB **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: _____ **Move and Setup Time:** _____ **Drilling Time:** 4:15 - 5:15 p.m.

Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H272711 **Bit Footage:** 45.5 - 49.9 m

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1		01	0 - 1.7 m: Gravel • Sorted coarse-grained sand and mottled granular matrix. Matrix-deficient (possibly due to water loss below ground) • Pebbles and cobbles: 50% mafics + sedimentary, 50% granitoid • Light brown water • Sample 1 washed, undersized (~7kg)
2			
3		02	
4			
5			
6			1.7 - 4.4 m: Bedrock • Off-white colour • Patchy moderate sericite alteration • Quartz-carbonate vein (QV) • Trace to 0.5% fine-grained pyrite
7			
8			
9			
10			
11			
12			
13			4.4 m: EOH
14			
15			
16			
17			
18			
19			
20			

Overburden Drilling Management Limited
Reverse Circulation Drill Hole Log

Date: [illegible] Page: 1 of 1

Hole No.: CCO-12-012 Site No.: 033 Location: E _____ N _____ Elevation: _____

Geologist: AB Drilling Company: CABO Driller: Floyd McCormick

Travel Time: _____ Move and Setup Time: _____ Drilling Time: 7:35 - 8:30 a.m.

Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H272711 Bit Footage: _____

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1		01	0 – 1.5 m Gravel • Sorted, mottled granular matrix • Matrix-supported • 40% mafics + seds, 60% granitoid pebbles + cobbles • Sample 1 washed undersized (9 kg)
2			
3			
4		02	
5			1.5 – 4.5 m: Bedrock • Moderate patchy calcite alteration • Contains Fe-carbonate vein
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Date: 23/04/20-

Overburden Drilling Management Limited
Reverse Circulation Drill Hole Log

Hole No.: CCO-12-013 Site No.: 028 Location: E _____ N _____ Elevation: _____

Geologist: AB Drilling Company: CABO Driller: Floyd

Travel Time: _____ Move and Setup Time: _____ Drilling Time: 10:00 – 11:00 a.m.

Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. 1.27711 Bit Footage: _____

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1–20		01, 02	0–2.7 m: Clay · Gritty · Occasional pebbles · Oxidized beige · moderately compact 2.7–4 m: Sand · fine-grained brown sand · minor clay · minor pebbles 4–4.6 m: Gravel · ochre and brown-stained wate. · 70% m + seds, 30% granitoid p + c · Sorted granular matrix. Matrix-supported · Matrix is mottled. · Samp l washed 10 m: ·edrock · Highly weathered to ~9m · Moderate pervasi · c · · · Moderate patchy ep · · e ult 10 m. EOH

Overburden Drilling Management Limited
Reverse Circulation Drill Hole Log

Date: 23/5/2022 Page: 1 of 1

Hole No.: CCO-22-014 Site No.: [illegible] Location: E _____ N _____ Elevation: _____

Geologist: KW/AB Drilling Company: CAB Driller: Fred McCormick

Travel Time: _____ Move and Setup Time: 1h, 5min Drilling Time: 12:05 - 1:10 p.m.

Moving Problems: Dozer did not make up in mud but was successfully extracted

Drilling Problems: Hole re-positioned to get better seal. Historic casing (Cambrian) nearby

Mechanical Problems: _____

Consumables: _____

Bit No. H27.7M Bit Footage: _____

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0 - 1.3 m: No return • Water loss below ground
2		01	
3		02	1.3 - 1.8 m: Gravel • Sorted mottled granular matrix. • Matrix-supported • Brown-coloured water • moderately weathered clasts • Sample 1 undersized (~6kg)
4			
5			
6			
7			
8			1.8 - 3.8 m: Bedrock • Moderate pervasive calcite alteration • Dark green • fine-grained, interlocking grains • weak foliation • trace fine-grained pyrite • Basalt
9			
10			
11			
12			
13			
14			
15			
16			3.8m: EOH
17			
18			
19			
20			

Date: 23/04/2012

Overburden Drilling Management Limited
Reverse Circulation Drill Hole Log

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Hole No.: CCO-12-15 Site No.: 026 Location: E ___ N ___ Elevation: ___

Geologist: KW/AB Drilling Company: Cabo Driller: Flora

Travel Time: ___ Move and Setup Time: ___ Drilling Time: 1:45 - 2:30

Moving Problems: ___

Drilling Problems: drill not vertical due to soft ground

Mechanical Problems: ___

Consumables: ___

Bit No. HB 127 11 Bit Footage: ___

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1–20		01, 02	0 – 1.5: clay • beige • somewhat gritty • no clasts 1.5 – 2.9: Sand • light brown, fine-grained • Contains a few pebbles, mostly mafics 2.9 – 4 m: Gravel • Sample 1 - washed, undersized (approx. 9kg) • matrix deficient • 70% mafics, 30% granitoid pic 4 – 7m: Bedrock • non-calcareous • fine grained • slightly weathered, interlocking • dark green • weak, variable foliation • Basalt

Overburden Drilling Management Limited
Reverse Circulation Drill Hole Lo

Date: 23/04/12 Page: 1 of 1

Hole No.: CCO-12-016 Site No.: 014 Location: _____ Elevation: _____

Geologist: AB/KW Drilling Company: Cabo Drilling Driller: Floyd McCormick

Travel Time: _____ Move and Setup Time: 25 min Drilling Time: 2:55 - 4:20

Moving Problems: _____

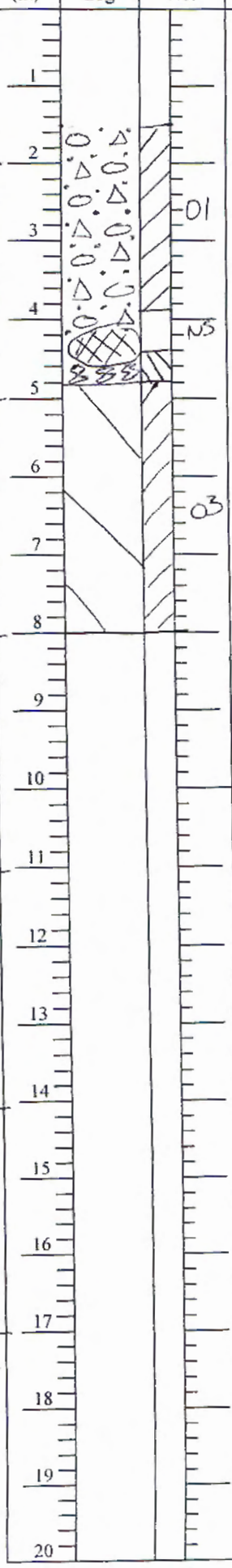
Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H27211 Bit Footage: _____

Depth (m)	Graphic Log	Sample No.	Descriptive Log



0 - 1.5m: No Return

1.5 - 4.8m: Till

- matrix: brown, very fine grained sand + silt matrix
- matrix supported
- 60% mafic + seds, 40% granitoid, C+P
- Sample 2 contains rubble
  - washed
  - undersized

4.8 - 8m: Bedrock

- mostly rock clay to 5.7m
- from 5.7-6.7m, highly oxidized rock chips and saprolite
- fine grained
- weak foliation
- green
- weak, patchy calcite alteration
- minor qtz/carbonate veining
- interlocking grains
- moderate pervasive chlorite alteration
- Basalt

EOH: 8m

Overburden Drilling Management Limited
Reverse Circulation Drill Hole Log

Date: 24/04/2012 Page: 1 of 1

Hole No.: RC0-015 Site No.: 015 Location: E _____ N _____ Elevation: _____

Geologist: KW/JB Drilling Company: Cobo Driller: Floyd McKenzie

Travel Time: _____ Move and Setup Time: 1hr Drilling Time: 7:00 - 9:15

Moving Problems: _____

Drilling Problems: Hole terminated due to boulders

Mechanical Problems: _____

Consumables: New Bit

Bit No. HA 73611 Bit Footage: 0 - 5

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0 - 1.5m NO Return
2		01	1.5 - 3.4m: Gravel • brown water • medium grained sand matrix (brown) • matrix supported • 60% mafics, 40% granitoid PtC • Some little matrix return due to lack of seal above
3			
4		02	
5			
6			
7			3.4 - 5m: Bedrock • green • fine grained - interlocking • 0.1 - 0.5% med-course cubic pyrite • weak carbonate alteration • Weak foliation • Basalt
8			
9			
10			
11			
12			
13			
14			EoH 5m
15			
16			
17			
18			
19			
20			

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Date: 24/04/12 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 1

Hole No.: CCO-12-018 Site No.: 01 Location: _____ Elevation: _____

Geologist: K. Wiebe Drilling Company: Cabo Drilling Driller: Floyd McCormick

Travel Time: _____ Move and Setup Time: 55min Drilling Time: 10:10 - 2:00

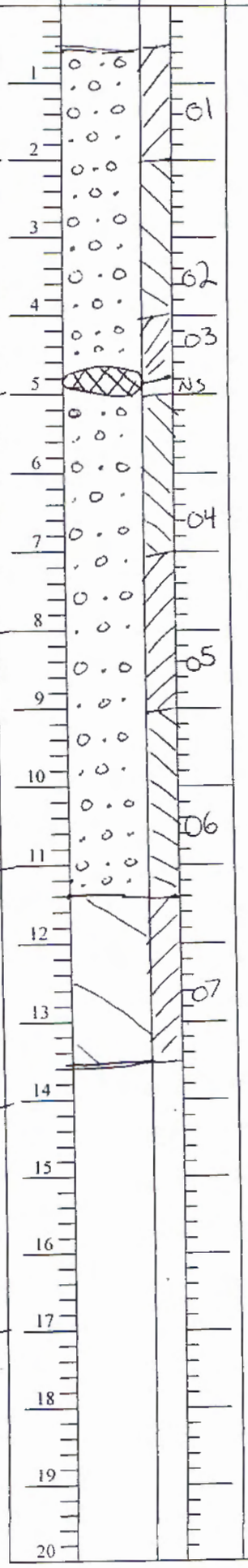
Moving Problems: _____

Drilling Problems: 10min stop mid-drilling waiting for water truck

Mechanical Problems: _____

Consumables: _____

Bit No. H273611 Bit Footage: 5 - 18.5

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1–20		01, 02, 03, NS, 04, 05, 06, 07	0 - 0.5m NO Return 0.5 - 11.4m: Gravel (Till?) • thin clay bed at top of unit • matrix supported • granular, mottled matrix (mica flecks) • brown water - occasionally ochre • low matrix return • 60% mafic + seds, 40% granitoid, p+c - all samples washed 11.4 - 13.5m: Bedrock • green • fine grained • ~~xxx~~ interlocking grains • weak carbonate alteration • minor qrtz/carb veining • weak epidote alteration in minor qrtz/carb vein selvages at end of hole • Basalt EOH: 13.5m

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Hole No.: CCO-12-019 **Site No.:** 02 **Location:** _____ **Elevation:** _____

Geologist: _____ **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: _____ **Move and Setup Time:** 25min **Drilling Time:** 2:25-4:05

Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H27361L **Bit Footage:** 18.5-27.9

Depth (m)	Graphic Log	Sample No.	Descriptive Log
0			0-0.5m: No Return
1		01	0.5m-7.4m: Gravel
2			• matrix supported • mottled, granular - brown/beige water • mica flecks common in matrix
3		02	• 60% +Sed's, 40% granitoid c to p
4			• all samples washed
5			• Sample H undersized (7Kg) -washed multi times -very little cave in
6		03	
7		04	7.4 - 9.4m: Bedrock
8			• green • interlocking grains • fine grained • hematite stained qrtz/carb veins → drk green/black tinted colour, occasionally with 0.5-1% fine grained diss Py in vein selvages • trace cubic Py overall • moderate carbonate alteration
9			
10			
11			
12			• at 8.5m thin ash tuff(?) possibly intersected → aphanitic → conchoidal fracturing → very thin pyrite lenses → green
13			
14			
15			• 9.3m - weak epidote alt in qrtz/carb vein selvages
16			
17			• Dolerite
18			EOH 9.4m
19			
20			

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Reverse Circulation Drill Hole Lo

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Hole No.: CCO-12-020 Site No.: 010 Location: _____ Elevation: _____

Geologist: K Wiebe Drilling Company: Cabo Drilling Driller: Floyd McCormick

Travel Time: _____ Move and Setup Time: 40 min Drilling Time: 4:45 - 6:05

Moving Problems: Rig set 40m North-northeast of origonal location to avoid bog

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H273611 Bit Footage: 27.9 – 40.9

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0 - 0.5: No Return
2			0.5 - 2m: Clay • beigy in colour grading to grey • gritty
3		01	
4			2m - 11.5m: Gravel (Till?) • matrix supported - gritty, - very fine to medium grained - mottled - 2-8m very matrix rich • 60% mafics + Seds, 40% granitoid clp • Sample 01 deficent in ptc
5		02	
6			
7		03	
8		NS	
9			
10		04	
11		05	11.5 - 13m: Bedrock • green • weakly foliated • interlocking grains • weak carbonate alteration • minor qrtz/carb veining • Basalt
12			
13		06	
14			
15			
16			
17			
18			EOH : 13m
19			
20			

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Date: 25/04/12 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 1

Hole No.: CCO-12-021 **Site No.:** 011 **Location:** _____ **Elevation:** _____

Geologist: K Wiebe **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: _____ **Move and Setup Time:** 20min **Drilling Time:** 7:40 - 8:50

Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H273611 **Bit Footage:** 40.9 - 50.1

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0:0.2m: No Return
2			0.2-2m: Clay • light tan • only slightly gritty
3		01	
4			
5		02	2-7.2m: Gravel • gritty mottled matrix • matrix supported • brown water • gravel more medium grained then course (compared to other holes) • 50% mafics + seds, 50% granitoid c+p.
6			
7		03	
8			
9		04	
10			
11			7.2-9.2m: Bedrock • green • weak foliation • interlocking grains • weak carbonate alteration • minor qatz/carb/albite veining • aphanitic
12			
13			
14			
15			
16			• basalt
17			
18			EOH 9.2m
19			
20			

Overburden Drilling Management Limited
Reverse Circulation Drill Hole Lo

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Hole No.: CCO-12-022 **Site No.:** 012 **Location:** _____ **Elevation:** _____
Geologist: K.Wiebe **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick
Travel Time: _____ **Move and Setup Time:** 25 min **Drilling Time:** 9:15 - 10:10
Moving Problems: _____
Drilling Problems: _____
Mechanical Problems: _____
Consumables: _____
Bit No. H273611 **Bit Footage:** 50.1 - 53.7

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0 - 1m : No Return
2			1 - 1.6m : Gravel
3		02	• matrix supported - gritty & mottled - unsorted - brown water • 80% mafics + seds, 20% granitoid c + p • hole washed multiple times → too shallow to get good seal → deficent sample (5kg)
4			
5			
6			
7			
8			
9			
10			1.6 - 3.6m : Bedrock
11			• dark green
12			• fine grained to aphanitic
13			• interlocking grains
14			• miror qrtz/carb/albite veining
15			• weak to moderate carbonate alteration
16			• weak foliation
17			• trace cubic pyrite
18			• Basalt
19			EOH 3.6m
20			

Overburden Drilling Management Limited
Reverse Circulation Drill Hole Lo

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Hole No.: CCO-12-23 **Site No.:** 013 **Location:** _____ **Elevation:** _____
Geologist: K Wiebe **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick
Travel Time: _____ **Move and Setup Time:** 10 min **Drilling Time:** 10:20 - 12:10
Moving Problems: _____
Drilling Problems: 5 min wait mid-drilling for water truck
Mechanical Problems: _____
Consumables: _____
Bit No. H273611 **Bit Footage:** 53.7 - 60.5

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0 - 1.5m: No Return
2			1.5 - 3.8m: Gravel
3		01	• matrix supported - gritty, mottled - unsorted - matrix deficent - brown water, occasionally ochre
4			• 70% mafic + Seds, 30% granitoid C+P
5		02	• Sample washed multiple times
6			
7			3.8 - 6.8m: Bedrock
8			• green
9			• 0.1% cubic pyrite
10			• interlocking grains
11			• weak foliation
12			• weak carbonate alteration
13			• minor qrtz/carb veining throughout
14			• moderate qrtz/carb veining + chlr/carb alteration first 0.1m of unit
15			• aphanitic to fine grained
16			• Basalt
17			EOH 6.8m
18			
19			
20			

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Date: 25/04/12 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 1

Hole No.: CCO-12-024 **Site No.:** 03 **Location:** _____ **Elevation:** _____

Geologist: K Wiebe **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: _____ **Move and Setup Time:** 50 min **Drilling Time:** 1:00 - 1:40

Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H273611 **Bit Footage:** 60.5 - 64.3

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1		01	0 - 0.5m : Organics
2			0.5 - 1.8m : Gravel
3		02	• matrix supported -gritty, mottled -unsorted -matrix deficent -brown/ochre water • 70% mafic tSeds, 30% granitoid c tp • Sample washed multiple times
4			
5			
6			
7			
8			1.8 - 3.8m: Bedrock
9			• green -aphanitic • interlocking grains • minor qrtz/carb veining • weak carbonate alteration • moderate chlorite alteration • 0.1% medium grained disseminated pyrite • weak foliation • Basalt
10			
11			
12			
13			
14			
15			
16			
17			EOH 3.8m
18			
19			
20			

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Date: 25/04/12 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 1

Hole No.: CCO-12-025 **Site No.:** 04 **Location:** _____ **Elevation:** _____

Geologist: K Wiebe **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: _____ **Move and Setup Time:** 15 min **Drilling Time:** 1:55 - 3:10

Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: _____

Bit No. H273611 **Bit Footage:** 64.3 - 68.4

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1		01	0 - 0.5m: Clay • brown, gritty
2			0.5 - 2.6m: Gravel • matrix supported - gritty, mottled - brown water - unsorted - matrix deficent • 70% mafics + seds, 40% granitoid c+p • Sample washed - extra 0.1m added to sample because bedrock intersected 0.1m after 1st sample taken
3		02	
4			
5			
6			
7			
8			2.6 - 4.1m: Bedrock • green • interlocking grains - weak foliation • trace cubic pyrite • weak patchy epidote alteration • fine grained • trace dark chloritic/epidote qrtz veins/veinlets - 0.1% fine grained cubic py in selvages • weak hematite staining on some fracture surfaces - not common
9			
10			
11			
12			
13			
14			
15			
16			• Dolerite
17			
18			EOH 4.1m
19			
20			

Overburden Drilling Management Limited

Date: 25/04/12 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of

Hole No.: CCO-12-026 **Site No.:** 05 **Location:** _____ **Elevation:** _____

Geologist: K Wiebe **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: _____ **Move and Setup Time:** _____ **Drilling Time:** 3:40 - 5:00

Moving Problems: drill moved to road at end of day, dozer wench

Drilling Problems: cable replaced, fixed water hose & track on water baggy

Mechanical Problems: _____

Consumables: _____

Bit No. H273311 New Bit **Bit Footage:** 0 - 10.5

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0.5 - 4m: Clay • beige in colour grading to grey down hole - slightly gritty
2			
3			4 - 7m: Sand with clay beds • grey - beige sand - very fine grained • intermittent clay beds
4			
5			
6			
7			7 - 8.5m: Till • matrix supported - matrix rich - gritty, mottled - very clay rich (?) - frequent mica flecks - brown to grey water • 70% mafics + seds, 30% granitoid clp • Thin intermittent clay beds • occasional clay clods collected in sieve with clasts • lower clast content as compared to other CCO holes
8		01	
9			
10		02	
11			
12			
13			
14			8.5 - 10.5m: Bedrock • green • aphanitic • interlocking grains • weakly foliated • minor qtz/carb veins • 10 - 10.3m - mod/strong foliation, weak patchy ser alt - 0.1% fine - medium grained diss. pyrite • very weak carbonate alt • 0.1% fine - medium cubic pyrite - Basalt
15			
16			
17			
18			
19			
20			

EOH - 10.5m

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Date: 26/04/12 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 1

Hole No.: CCO-12-027 Site No.: 06 Location: _____ Elevation: _____

Geologist: _____ Drilling Company: Cabo Drilling Driller: Floyd McCormick

Travel Time: _____ Move and Setup Time: _____ Drilling Time: 9:15 - 9:55

Moving Problems: drill trail not prepared as expected - to avoid long move to pCCO-12-007 and bac
trail quickly flagged in, and dozed by CTBO

Drilling Problems: _____

Mechanical Problems: • rubber seal came lose on rods, rod shavings in sieve - Rods pulled
- rod cracked - rod let go

Consumables: lost bit and 2 rods downhole

Bit No. H273311 Bit Footage: 10.5 - 17m

Depth (m)	Graphic Log	Sample No.	Descriptive Log
			0 - 0.3: Organics
			0.3 - 5m: Clay • beigy brown • gritty • brown water
			5 - 6.5m: Sand • grey • silty, fine grained sand • weakly to moderately sorted
			6.5 - : Till (?) • matrix supported • grey moderatly sorted sand • clast deficent
			• rods pulled at 11m - seal lost on rod or bit broken - very little return
			Hole moved 3ft back

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Date: 26/04/12 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 1

Hole No.: CCO-12-027A Site No.: 06 Location: _____ Elevation: _____

Geologist: K. Wiebe Drilling Company: Cabo Drilling Driller: Floyd McCormick

Travel Time: _____ Move and Setup Time: _____ Drilling Time: 10:20 - 11:30

Moving Problems: _____

Drilling Problems: _____

Mechanical Problems: _____

Consumables: 1 Sub and new bit

Bit No. H272911 Bit Footage: 0 - 8m

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0 - 0.5m: Organics + clay
2			0.5 - 4m: Clay • beige grading to grey • gritty clods • brown water
3			
4			
5			4 - 6.4m: Sand • grey • very fine grained to silty • weakly to moderatly sorted • dark flecks
6			
7		01	
8		02	6.4 - 6.5m: Till • matrix supported - mottled - sorted - sandy • clast deficent • 70% mafics + seds, 30% granitoid clp Sample 01 - washed multiple times with very little return - 3kg
9			
10			
11			
12			
13			6.5 - 8m: Bedrock • green • fine grained - dark green / black chlorite grains • massive • interlocking grains • minor qrtz / carb veining • trace fine to medium grained cubic pyrite • Dolerite
14			
15			
16			
17			
18			
19			EOH 8m
20			

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Reverse Circulation Drill Hole Lo

Date: 26/04/12 2010 **Page:** 1 of 1

Hole No.: CCO-12-028 Site No.: 029 Location: Elevation:

Geologist: K.Wiebe Drilling Company: Cabo Drilling Driller: Floyd McCormick

Travel Time: Move and Setup Time: 2hrs +50min Drilling Time: 2:20 - 3:40

Moving Problems: long move down windy trail, pad needed leveling. lost partial sheet off bottom of skid

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. #1272911 Bit Footage: 8 - 10.6m

Depth (m)	Graphic Log	Sample No.	Descriptive Log
0			0 - 0.4m: No Return
0.4		01	0.4 - 0.6m: Gravel • matrix supported - unsorted, gritty - mottled - brown/beige to green sandy silt - matrix deficent overall - brownish water • 70% mafics + seds, 30% granitoid c+p • Sample 01 washed multiple times (5kg)
2.6		02	0.6 - 2.6m: Bedrock • green • aphanitic • weakly foliated • interlocking grains • Weak carbonate alteration • 0.1% painted pyrite • at 1.5m qrtz vein - orangish ting - hematite staining on fractures • Basalt
10.6			EOH 2.6m

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Reverse Circulation Drill Hole Lo

Date: 26/04/12 2010 Page: 1 of 1

Hole No.: CCO-12-029 Site No.: 030 Location: _____ Elevation: _____

Geologist: K Wiebe Drilling Company: Cabo Drilling Driller: Floyd McCormick

Travel Time: _____ Move and Setup Time: 50min Drilling Time: 4:30 - 5:45

Moving Problems: _____

Drilling Problems: bouldery - moved drill back 2ft

Mechanical Problems: _____

Consumables: _____

Bit No. H272911 Bit Footage: 10.6 - 14.1

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1		01	0 - 0.6: No Return - boulder
2		NS 01 cont	0.6 - 2m: • matrix supported - mottled, gritty - unsorted - low matrix return - matrix deficent - brown water • 60% mafic + seds, 40% granitoid c+p • Sample 01: boulder intersected, 0.2m of gravel intersected after boulder + before bedrock → added to sample 01
3		02	
4			
5			
6			
7			
8			2m - 3.5m: Bedrock • green • aphanitic to fine grained • interlocking grains • moderate foliation • 0.5% disseminated leucoxene • very weak carbonate alteration • Basalt
9			
10			
11			
12			
13			
14			
15			EOH 3.5m
16			
17			
18			
19			
20			

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Reverse Circulation Drill Hole Lo

Date: 27/04/12 2010 **Page:** 1 of 1

Hole No.: CCO-12-030 Site No.: 07 Location: _____ Elevation: _____

Geologist: K Wiebe Drilling Company: Cabo Drilling Driller: Floyd McCormick

Travel Time: _____ Move and Setup Time: _____ Drilling Time: 8:50 - 10:55

Moving Problems: ~~no~~

Drilling Problems: moved rig back 2ft twice b/c ground too bouldery

Mechanical Problems: _____

Consumables: _____

Bit No. H272911 Bit Footage: 14.1 - 20.7

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1		01	0-1m: No Return
2		NS	1 - 4.6m: Gravel
3		02	• matrix supported - fine grained - gritty, mottled - unsorted • brown water, occasionally ochre
4		NS	• 60% mafics + seds, 40% granitoid c+p
5			• 2 boulders intersected
6			
7			4.6 - 6.6m: Bedrock
8			• light green to beige - strongly foliated → bedding?
9			• moderate to strong chl-sericite alt
10			• weak carbonate alteration
11			• aphanitic
12			• 0.1% fine to medium grained disseminated pyrite - 0.5% - 1% in places
13			• 6.2m - increase in greyish bedrock commonly with 1-2% fine grained disseminated pyrite
14			• Intermediate asn lithic tuff
15			
16			EOH 6.6m
17			
18			
19			
20			

Overburden Drilling Management Limited

Date: 27/04/12 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 1

Hole No.: CCO-12-031 **Site No.:** **Location:** **Elevation:**

Geologist: K Wiebe **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: **Move and Setup Time:** 45 min **Drilling Time:** 11:40 - 12:20

Moving Problems: Boulder bumped floor of drill up (where geo stands) hammered back down

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. H272911 **Bit Footage:** 20.7 - 24.2

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0 - 1.5m: No Return
2		01	1.5 - 2m: Gravel
3		02	• matrix supported - gritty, mottled - brown water - poorly sorted (unsorted) • 70% mafics + seds, 30% granitoid ctp • sample washed multiple times (5kg)
4			
5			
6			
7			2 - 3.5m: Bedrock
8			• green • mod-strong foliation • fine grained • 0.5 - 1% disseminated leucoxene • weak carbonate alteration • weak hematite staining + oxidation on some fracture surfaces • Dolerite
9			
10			
11			
12			
13			
14			EOH 3.5m
15			
16			
17			
18			
19			
20			

Overburden Drilling Management Limited
Reverse Circulation Drill Hole Lo

Date: 27/04/12 2010 Page: 1 of 1

Hole No.: CCO-12-032 Site No.: Location: Elevation:

Geologist: Drilling Company: Cabo Drilling Driller: Floyd McCormick

Travel Time: Move and Setup Time: 1 hr Drilling Time: 1:20-2:30

Moving Problems: handles on side of rig torn off by tree - trail very windy

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. #27891 Bit Footage: 24.2-39.7

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1–20		01, 02, 03	0 - 2m: Interbedded clay & Sand • brown/tan clay grading to smooth grey clay • brown sand grading to grey fine grained sand 2-6m: Sand • grey, moderatly sorted • fine grained • thin interbeds of clay 6 - 13.5m: Sandy Gravel • matrix rich - matrix supported - mottled - unsorted - brown - ochre water • clasts are medium grained overall, very little course clasts • unit goes back and fourth between coarse and medium grained clasts • 60% mafic tseds, 40% granitoid c+p 13.5 - 15.5: Bedrock • mauvish green • strongly foliated • occasional hematite/oxidized fracture surfaces • weak carbonate alteration • moderate-weak hematite/sericite/chlorite a • minor qrtz/carb veining • chlorite schist EOH 15.5m

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Reverse Circulation Drill Hole Lo

Date: 27/04/12 2010 Page: 1 of 1

Hole No.: CCO-12-033 Site No.: Location: Elevation:
Geologist: KWiebe Drilling Company: Cabo Drilling Driller: Floyd McCormick
Travel Time: Move and Setup Time: 30 min Drilling Time: 3:00 - 3:35
Moving Problems:
Drilling Problems:
Mechanical Problems:
Consumables:
Bit No. H272911 Bit Footage: 39.7 - 46.2m

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0-1m: Clay • brown & gritty grading to grey
2			1-3.5m: Sand • grey • fine grained • silty
3			
4		01	
5			3.5-4.5m: Sandy Gravel (Till?) • matrix supported - fine grained sand - sorted - grey - high grtc content - grey-brown water • 60% mafic +seds, 40% granitoid c+p
6		02	
7			
8			
9			4.5-6.5m: Bedrock • light green • strongly foliated • freguent grtc/carb veins • aphanitic • chlorite schist EOH 6.5m
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

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Date: 27/04/12 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 1

Hole No.: CCO-12-034 Site No.: 038 Location: _____ Elevation: _____

Geologist: K Wiebe Drilling Company: Cabo Drilling Driller: Floyd McCormick

Travel Time: _____ Move and Setup Time: 40 min Drilling Time: 4:20-4:45

Moving Problems: _____

Drilling Problems: rod kicked off on boulder - hole abandoned + moved 2ft forward

Mechanical Problems: _____

Consumables: _____

Bit No. H272911 Bit Footage: 46.2 -

Depth (m)	Graphic Log	Sample No.	Descriptive Log
			0-0.6m: No Return
			0.6-1.5m: Clay • brown to grey - gritty
			1.5- : Gravel - matrix supported - gritty, mottled - unsorted
			Hole abandoned at 2m - rod kicked off by boulder. - rig pulled back 2ft to start over

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Date: 27/04/12 2010 **Reverse Circulation Drill Hole Lo** **Page:** 1 of 1

Hole No.: CCO-12-034 A Site No.: _____ Location: _____ Elevation: _____

Geologist: _____ Drilling Company: Cabo Drilling Driller: Floyd McCormick

Travel Time: _____ Move and Setup Time: _____ Drilling Time: 4:45 - 6:10

Moving Problems: _____

Drilling Problems: hole moved 2ft forward ground too bouldery

Mechanical Problems: _____

Consumables: _____

Bit No. H272911 Bit Footage: _____

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0-0.4m: NO Return
2			0.4-1.5m: Clay
3		01	• reddish brown • gritty
4		NS	1.5-4.5m: Till
5		02	• matrix supported -gritty, mottled -unsorted
6		03	• brown-beige water • clayey gritty lumps • 60% mafic +seds, 40% granitoid c+p • Sample 02 - 7kg
7			
8			
9			4.5-6m: Bedrock
10			• dark green • strongly foliated • aphanitic • interlocking grains • moderate chlorite alteration • chlorite schist
11			
12			
13			
14			
15			EOH 6m
16			
17			
18			
19			
20			

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Reverse Circulation Drill Hole Lo

Date: April 28, 2012 ~~2010~~ **Page:** 1 of 1

Hole No.: CCO-12-035 **Site No.:** PCCO-12-023 **Location:** Cameron Project **Elevation:** ____

Geologist: A. Hills **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: ____ **Move and Setup Time:** 7:30 - 8:10 **Drilling Time:** 8:10 - 8:45am

Moving Problems: long trail + pad required widening prior to drilling

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. H212.9in **Bit Footage:**

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1–20			0-4m: Dark grey clay - occasional gravel fluxes - gritty 4-6m: Labradorian Till - matrix supported - 60% granitoids / 40% matrix + seds - Sample ① = 11kg - Sample ② = 6kg 6-8m: Bedrock - Basalt / chlorite schist - strongly foliated - weak qtz veining - light to medium green - pervasive chlorite alteration - no sulfides - aphanitic EOH = 8m

Date: April 28, ~~2010~~ 2012

Overburden Drilling Management Limited
Reverse Circulation Drill Hole Lo

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Hole No.: CCO-12-036 **Site No.:** PCCO-12-021 **Location:** Cameron Project **Elevation:**

Geologist: A. Hills **Drilling Company:** Cabo Drilling **Driller:** Floyd McCormick

Travel Time: **Move and Setup Time:** 8:45-10:00 **Drilling Time:** 10:00 – 10:30am

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. H272911 **Bit Footage:**

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			0 – 3.4 m: – light grey clay – small fragments of basalt (occasional) – organics in top 1.5m
2			
3			3.4 – 6.0 m: 90% felsic – intermediate ash-tuff ? dioritic – strongly sheared – strong sericite alt'n (pervasive) 10% mafics becoming more chloritic after 4.1m – rare trace fg Py
4		①	3.9 – 4.1m: Qtz-rich boulder
5		②	
6			
7			
8			
9			
10			Sample ① = kg
11			
12			EOH = 6m
13			
14			
15			
16			
17			
18			
19			
20			

Date: April 20th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-037 Site No.: 040 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 9:00 – 10:45 am

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No: Bit Footage: Used bit

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1–2			No Return 0–2m
2–3.5		01	Bedrock 2–3.5m: Mafic Basalt (MB) • dark green in colour • Weak – mod Foliation • igneous fine grained • Pyrite 0.1% Fine grained disseminated • leucoxene grains present • minor Quartz-Albite veinlet material
3.5–20			

Date: April 20th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-038 Site No.: 039 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 11:00 – 12:15 PM

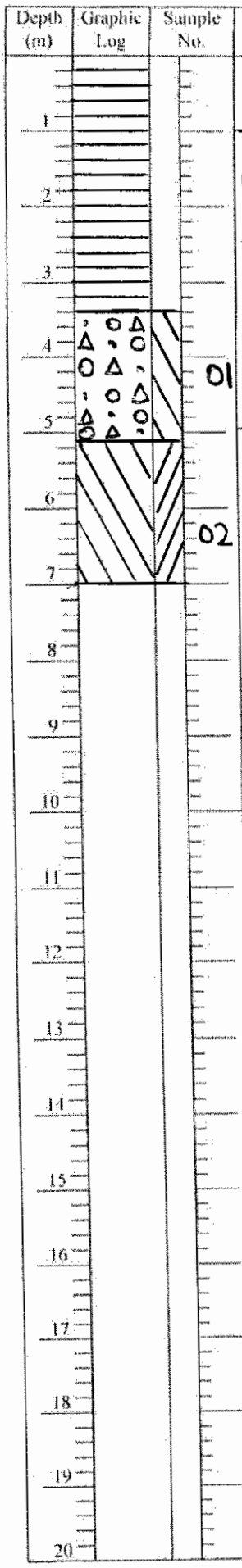
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit



Lake Agassiz Sediments 0 – 3.4m

0 – 3.4m : Clay
- light beige oxidised
- Smooth
- not gritty

Labradorean Till 3.4 – 5.1m:
- Sand-Silt matrix
- Clast supported
- Stoney texture
- Clast Composition:
  - 70% mafic + Sedimentary
  - 30% granitoid
- Some bedrock rubble

Bedrock 5.1 – 7m: Chlorite dominant Schist
- moderately Sheared
- Volcaniclastic protolith likely
- Weak Foliation related Sericite alteration
- Minor Quartz-Albite veinlets
- trace fine grained disseminated

Date: April 20th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-039 Site No.: 037 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Driller: F. McCormick

Travel Time: Move and Setup Time: 15min Drilling Time: 12:30 – 1:30pm

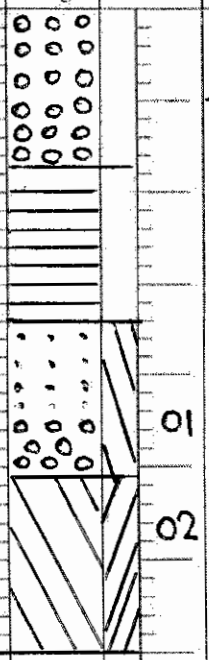
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1–20		01, 02	Lake agassiz Sediments 0 – 5.1m 0 – 1.7m gravel: • well sorted • Pebble dominant clasts • goethite stained unit • glaciofluvial 1.7 – 3.4m Clay: • not gritty • grey in colour 3.4 – 4.5m Silt: • minor fine grained sand • beige in colour 4.5 – 5.1m gravel: • Sand dominant matrix • Sand is Coarse biased • yellow (limonite stained?) • Clast Composition: – 20% mafic + sedimentary – 80% granitoid Bedrock 5.1 – 7m: Chlorite dominant schist • green in colour • aphanitic • moderately sheared • moderate foliation related Chlorite-Sericite-Fe Carbonate alteration • 0.5% foliation related, fine grained + as a paint

Date: April 20th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-040 Site No.: 073 Location: (NAD83) E N Elevation:

Geologist: D.Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15 min Drilling Time: 1:45 – 2:15 pm

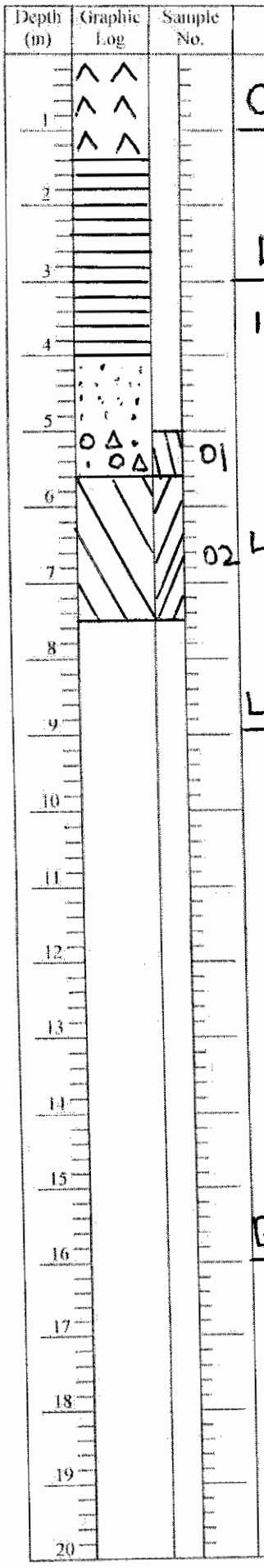
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit



Descriptive Log

Organics 0–1.4m: • dark brown
• humus rich

Lake Agassiz Sediments 1.4–5m

1.4–4m Clay: – not gritty
• grey in colour
• Oxidised beige until 2.5m

4–5m Silt: • dark grey
• silt

Labradorean Till 5–5.6m: • Sand-silt matrix
• matrix supported
• Stoney texture
• Some bedrock content
• Clast composition:
– 70% mafic + Sedimentary
– 30% granitoid

Bedrock 5.6–7.5m: Chlorite-Sericite Schist
• light green in colour
• Strongly sheared
• aphanitic
• platy texture
• trace fine grained disseminated pyrite

Date: April 20th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-041 Site No.: 74 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15min Drilling Time: 2:30 – 3:30pm

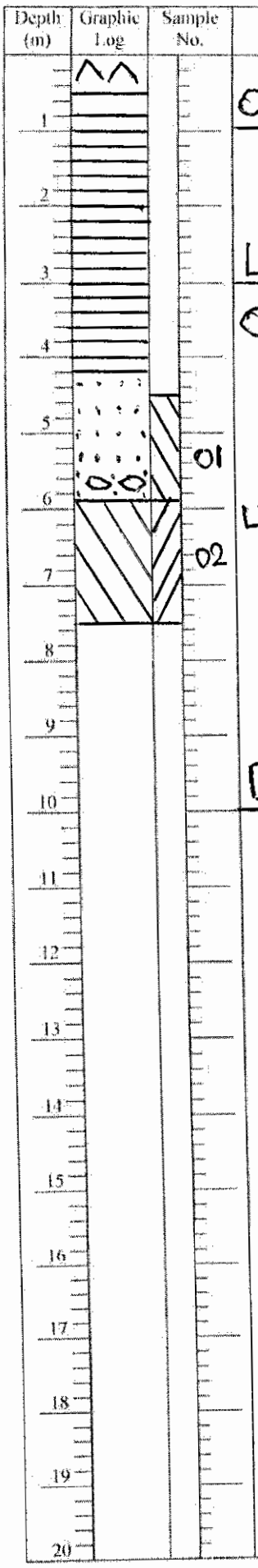
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit



Organics 0–0.5m: • dark brown
• humus rich

Lake Agassiz Sediment 0.5–5.9m

0.5–4.2m Clay: • not gritty
• grey in colour

4.2–5.9m Sand: • Coarse grained
• Possibly labradorean
• minor clastic material near bottom

Bedrock 5.9–7.5m: Mafic Basalt (MB)
• dark green colour
• moderate foliation
• aphanitic
• minor quartz veinlet
• Pyrite blank

Date: April 20th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-042 Site No.: 55 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Gabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15min Drilling Time: 3:45-5:00pm

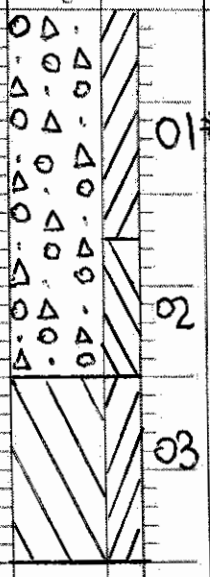
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage:

Depth (m)	Graphic Log	Sample No.	Descriptive Log
0-6		01*, 02, 03	0-4m Supraglacial Till?: • goethite stained • bouldery • clast supported • Sand/silt matrix • Coarse biased matrix • Clast composition: - 60% mafic + Sedimentary - 40% granitoid
4-6			Bedrock 4-6m: Mafic basalt (MB) • Igneous fine grained • goethite weathered at surface • weak Chlorite-(Fe) carbonate alteration (pervasive) • trace very fine grained Pyrite • dark green in colour

* Sample needed to be washed to get more material

Date: April 21st 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-043 Site No.: 42 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 8:30 – 9:15 am

Moving Problems:

Drilling Problems: hole began to collapse could not drill behind 1.5m

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit

Depth (m)	Graphic Log	Sample No.	Descriptive Log Bedrock ID 1071854
1			No Return 0–0.9m
2		01	
3			Bedrock 0.9–1.5m: mafic basalt
4			• aphanitic
5			• massive
6			• dark green in colour
7			• weak chlorite – calcite pervasive alteration
8			• pyrite blank
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Date: April 21st 2014 **Reverse Circulation Drill Hole Log** **Page:** 1 of 1

Hole No.: CCO-14-044 Site No.: 041 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15min Drilling Time: 9:30 – 9:45 am

Moving Problems:

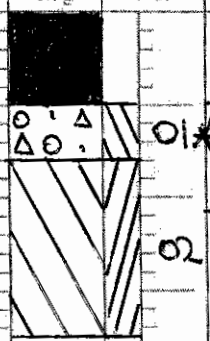
Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit

Depth (m) | Graphic Log | Sample No. | Descriptive Log Bedrock ID 1071855



No return 0 – 1m

01*

Supraglacial Till 1 – 1.6m:
- Coarse dominant matrix
- Clast supported
- Stoney texture
- Oxidised
- Clast Composition:
  - 60% matic + Sedimentary
  - 40% granitoid

02

Bedrock 1.6 – 3.5m: Chlorite dominant schist (PSC)
- aphanitic
- platy texture
- dark green in colour
- Schistose
- moderate – strongly Sheared

* Sample 1 is light had to wash to get more Sample

Date: April 21st 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-045 Site No.: 38 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 10:00-11:00pm

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No: Bit Footage: Used bit

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			Bedrock ID 1071856
2			No Return 0-1.3 + 2.3-2.6m
3			Till? 1.3-3m: • Oxidised • Clast supported • not enough material for a sample • Clast Composition: — 70% mafic + sedimentary — 30% granitoid
4		01	
5			
6			
7			
8			Bedrock 3-4.5m: Mafic Basalt • aphanitic • weakly foliated • dark green in colour • Weak pervasive Chlorite-calcite alteration • Quartz-Carbonate-Albite veinlet present • Pyrite blank
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Date: April 21st 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-046 Site No.: 50 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 11:15 – 11:45 am

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit

Depth (m)	Graphic Log	Sample No.	Descriptive Log Bedrock ID 1071857
1		01*	No Return 0–0.5m
2		02	Till 0.5–1m : • Sand – silt matrix • Clast supported • Coarse biased matrix • Stoney texture • Clast composition : – 70% mafic + sedimentary – 30% granitoid
3			
4			
5			
6			
7			
8			
9			Bedrock 1–3m : Chlorite dominant schist (CPSC) • aphanitic • moderately sheared • dark green in colour • moderate chlorite – calcite alteration (pervasive) • platy texture • minor Qz-Albite veinlets
10			
11			
12			
13			
14			
15			
16			
17			* Washed to get more sample for Sample 1
18			
19			
20			

Date: April 21st 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-047 Site No.: 49 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 11:45 – 2:15pm

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			No Return 0–1.1m
2		01	
3			Bedrock 1.1–2.5m: Mafic dolerite (MD)
4			• dark green in colour
5			• igneous fine grained
6			• massive
7			• Weak pervasive chlorite-calcite alteration
8			• Pyrite blush
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Date: April 21st 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-048 Site No.: 75 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 4:00 pm ended

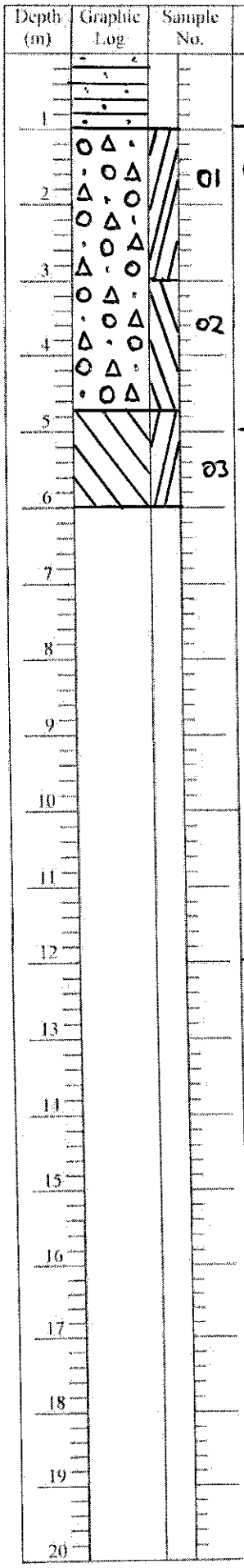
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: used bit



Descriptive Log

Lake Agassiz Sediments 0 - 1m

0 - 1m Clay:
- beige in colour
- oxidised orange goethite
- not gritty

Labradorean Till 1 - 4.7m:
- Stoney texture
- Sand Silt matrix
- Clast supported
- Coarse return likely product of drilling technique with poor Seal
- Clast Composition:
  - 60% mafic + Sedimentary
  - 40% granitoid

Bedrock 4.7 - 6m: Mafic dolerite (MD)
- dark green in colour
- igneous fine grained
- equigranular texture
- Massive
- Weak pervasive chlorite - calcite alteration

Date: April 21st 201 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-049 Site No.: 54 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15min Drilling Time: 4:15 – 5:15pm

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used 6.7

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			No Return 0 – 1.3m
2		01	Labradorean Till 1.3–2.7m: • Oxidized orange (goethitic)
3			• Sand-silt matrix
4		02	• Stoney texture
5			• Clast Supported
6			• Clast Composition:
7			– 70% mafic + Sedimentary
8			– 30% granitoid
9			
10			Bedrock 2.7 – 4.5m: Basalt (MB)
11			• aphanitic
12			• massive
13			• Weak veinlet related epidote alteration
14			• Weak pervasive Chlorite–Calcite alteration
15			• odd Quartz – albite – carbonate veinlets
16			• Py trace on fracture surface
17			
18			
19			
20			

Date: April 22nd 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-050 Site No.: 053 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 9:00 - 9:30 am

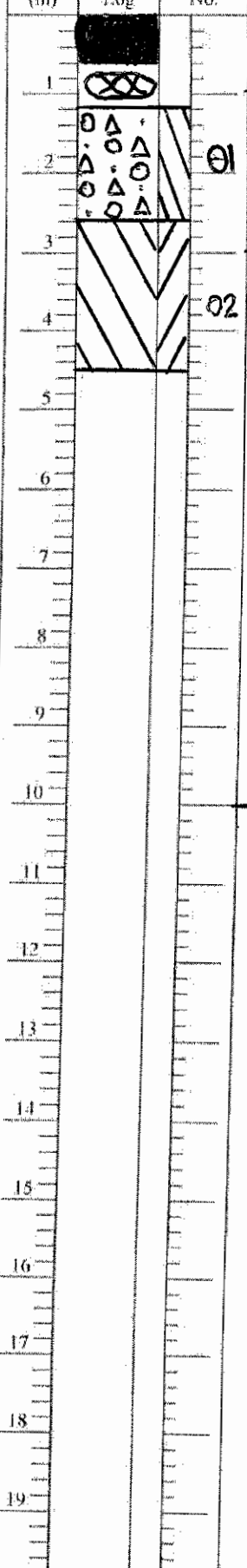
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit



Descriptive Log

No Return 0 - 0.6m

0.6-1.2m Boulder: Monzonite (GSM)

Labradorean Till 1.2 - 2.6m:
- Oxidised
- Sand-Silt matrix
- Clast supported
- Stony texture
- Clast composition:
  - 60% Mafic + Sedimentary
  - 40% granitoid

Bedrock 2.6 - 4.5m: Basalt (MB)
- aphanitic
- dark green in colour
- weak foliation
- weak pervasive chlorite-calcite alteration
- Pyrite trace cubic style
- Some quartz - allite veinlets

Date: April 22nd 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-051 Site No.: 052 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15 min Drilling Time: 9:45 - 11:00 am

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used 6.1

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			No Return 0-1.5m
2			Bedrock 1.5-3.5m: Basalt (MB)
3		01	• Dark green in colour
4			• aphanitic
5			• Massive
6			• Weak pervasive Chlorit-Calcite alteration
7			• Py 0.1% and Cubic
8			• Quartz-albite veinlet present
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Date: April 22nd 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-052 Site No.: 051 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15min Drilling Time: 11:15 – 12:30pm

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No: Bit Footage: Used bit

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			No Return 0 – 1.5m
2			Bedrock 1.5 – 3.5m: Dolerite (MD)
3		01	• Igneous Fine grained
4			• Weakly Foliated
5			• Weak Chlorite-calcite alteration (Pervasive)
6			• dark green in colour
7			• Pyrite blank
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Date: April 22nd 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-053 Site No.: 068 Location: (NAD83) E N Elevation:

Geologist: D Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15min Drilling Time: 12:45-1:30pm

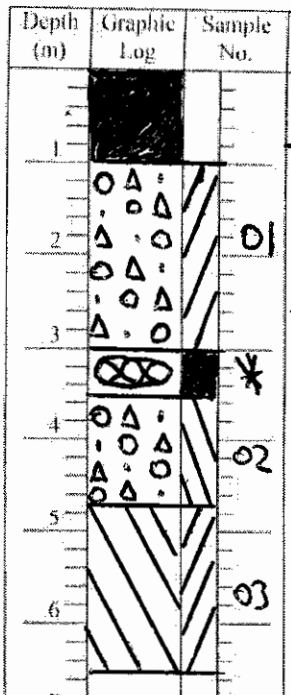
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No: Bit Footage: Used bit



Descriptive Log

No Return 0-1m

Labradorean Till 1-4.7m

- Sand Silt matrix
- Clast supported
- Stoney texture
- Clast Composition: ~60% matic + Sedimentary
  ~40% granitoid

Bedrock 4.7-6.5m: Chlorite dominant Schist (PSC) + Quartz-albite veinlet (zqv)

- aphanitic
- dark green in colour
- moderate shearing
- trace fine grained disseminated and foliation related pyrite

* 3-3.5m: Boulder: matic Basalt (MB)

Date: April 22nd 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-054 Site No.: 60 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15min Drilling Time: 1:45 – 3:00pm

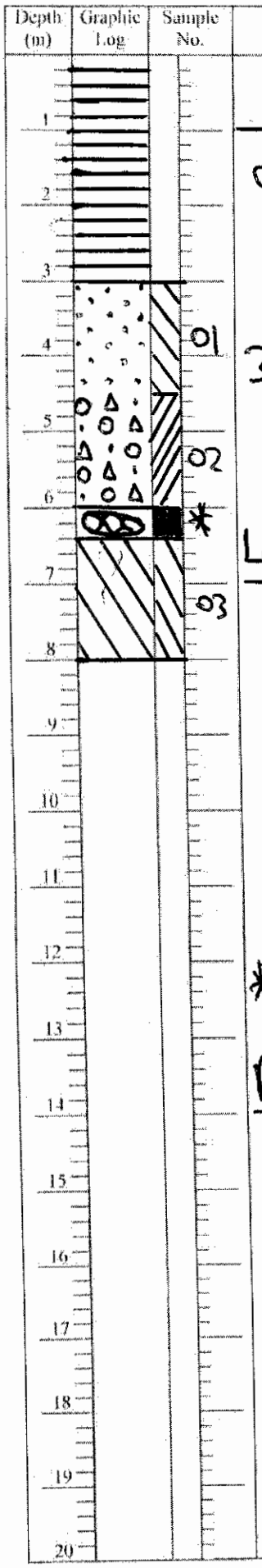
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No.: Bit Footage: Used bit



Descriptive Log

Lake Agassiz Sediments 0 – 4.5m

0–3m Clay: · light grey
· not gritty

3–4.5m Sand: · brown colour
· Fine grained

Labradorean Till 4.5–6.4m: · Sand-Silt matrix
· Matrix Supported
· Stoney texture
· Clast Composition:
– 60% mafic + Sedimentary
– 40% granitoid

* 6–6.4m Boulder: granodiorite (CGRD)

Bedrock 6.4–8m: Saprolite (CRLV) + Chlorite dominant Schist (CPSC)
· dark green in colour
· Strongly Sheared
· Chlorite rich

Date: April 22nd 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-055 Site No.: 63 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15 min Drilling Time: 3:15 – 5:30 pm

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			No Return 0-1.5m
2			Bedrock Rubble 1.5–4.4m
3			
4			Bedrock 4.4-6m: Basalt (MB)
5		01	• dark green in colour
6			• igneous fine grained
7			• weak pervasive chlorite-calcite alteration
8			• weak foliation
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Date: April 23rd 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-056 Site No.: 62 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 8:30 - 9:20 am

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used 6.1

Depth (m)	Graphic Log	Sample No.	Descriptive Log Bedrock ID 1071867
1			No Return 0 - 0.8m
2		01	
3			Bedrock 0.8-3m: Basalt (MB)
4			• aphanitic
5			• dark green in colour
6			• massive
7			• fresh (not weathered)
8			• odd Quartz-albite veinlet
9			• Pyrite blank
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Date: April 23rd 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-057 Site No.: 61 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 10min Drilling Time: 9:30 – 10:15am

Moving Problems:

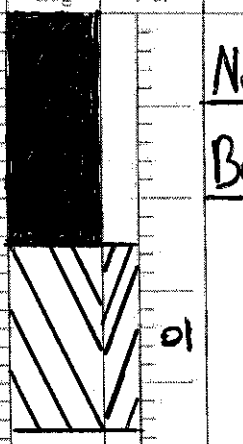
Drilling Problems:

Mechanical Problems:

Consumables:

Bit No.: Bit Footage: Used bit

Depth (m)	Graphic Log	Sample No.	Descriptive Log
			Bedrock ID 1071868



01

No Return 0-2.5m

Bedrock 2.5-4.5m: Basalt (MB)

- dark green in colour
- aphanitic
- Strongly foliated
- Minor Quartz-Albite-Carbonate veinlet
- Weak pervasive Chlorite-Calcite alteration
- Pyrite blank

Date: April 23rd 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-058 Site No.: 64 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15 min Drilling Time: 10:30 – 11:15am

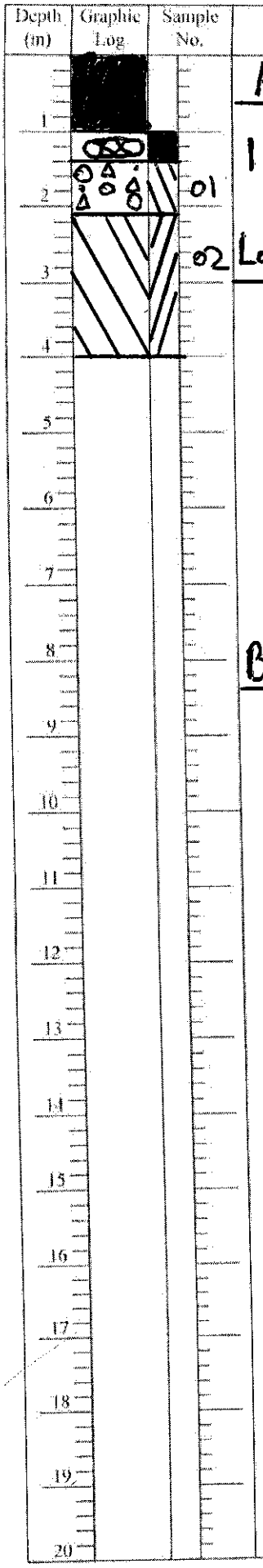
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No: Bit Footage: Used bit



Descriptive Log

No Return 0–1m

1–1.4 Boulder: Granodiorite (GRD)

Labradorean Till 1.4–2.1m:
- Oxidised
- Sand/Silt matrix
- Clast Supported
- Clast Composition:
  - ~70% mafic + sedimentary
  - ~30% granitoid

Bedrock 2.1–4m: Saprolite (RLD) / Chlorite dominant Schist (CSC)
- Strong Shearing
- Dark green in colour
- Minor Quartz veinlet

Date: April 23rd 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-059 Site No.: 65 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15 min Drilling Time: 11:30 – 12:30pm

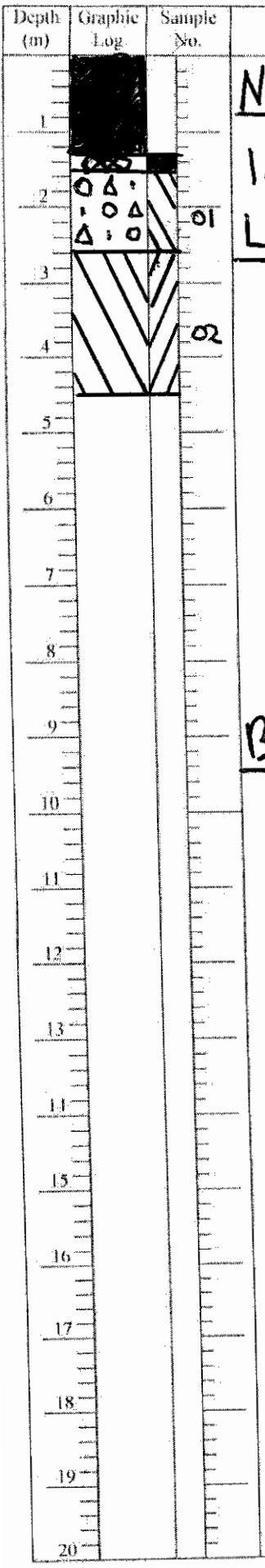
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit



Descriptive Log

No Return 0–1.3m

1.3–1.5m Boulder: Granodiorite (GRD)

Labradorean Till 1.5–2.6m:
- oxidised
- Silt–Sand matrix
- Clast supported
- Stoney texture
- Clast Composition:
  - 50% mafic + sedimentary
  - 50% granitoid

Bedrock 2.6–4.5m: Chlorite dominant Schist (CPSC)
- green in Colour
- Platy texture
- moderately Sheared
- Weak foliation related Chlorite–Sericite–(Fe) Carbonate alteration
- minor Quartz–albite veinlet

Date: April 23rd 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-060 Site No.: 66 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 12:45 – 1:15pm

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used 6.1

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1–20		01	No Return 0–2.6m Bedrock 2.6–4.5m: Saprolite (RLV) + Chlorite dominant Schist (PSC) • moderately Sheared • green in colour • platy texture in chips

Date: April 23rd 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-061 Site No.: 67 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 1:30 – 2:00 pm

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No.: Bit Footage: Used bit

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			No Return 0 – 0.9m
2		01	Boulder 0.9 – 1.3m: Granodiorite
3			Labradorean Till 1.3 – 4.7m: • Sand – silt matrix
4		02	• Coarse biased
			• matrix Supported
5			• Stoney texture
6		03	• Clast composition:
7			– 80% mafic + Sedimentary
8			– 20% granitoid
9			
10			
11			Bedrock 4.7 – 6.5m: Chlorite dominant Schist (PSC)
12			• dark green in colour
13			• Strongly Sheared
			• platy texture
14			• Fine leucoxene grains
15			• Few Qz – Albite Veinlets
16			
17			
18			
19			
20			

Date: April 23rd 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-062 Site No.: 69 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Driller: Floyd McCormick

Travel Time: Move and Setup Time: 30hrs Drilling Time: 2:30 - 3:30pm

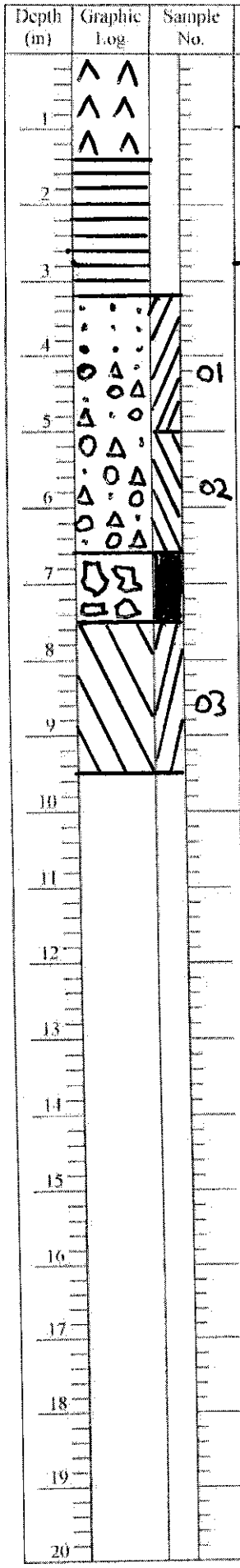
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit



Descriptive Log

Organics 0-1.4m: • dark brown
• humus rich

Lake Agassiz Sediments 1.4-4m

1.4 - 3.2m Clay: • not gritty
• grey

3.2 - 4m Sand: • Coarse biased
• brown in colour

Labradorean Till 4-6.6m: • Sand/Silt matrix
• matrix supported
• Stoney texture
• Clast Composition:
- 70% mafic + Sedimentary
- 30% granitoid

Bedrock rubble 6.6-7.5m

Bedrock 7.5-9.5m: Chlorite dominant Schist (CPSC)
• aphanitic
• Strong Sheared
• moderate foliation related chlorite - sericite - (Fe) Carbonate alteration
• Minor Quartz - albite - Carbonate veinlets

Date: April 23rd 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-063 Site No.: 70 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15min Drilling Time: 3:45 – 5:00pm

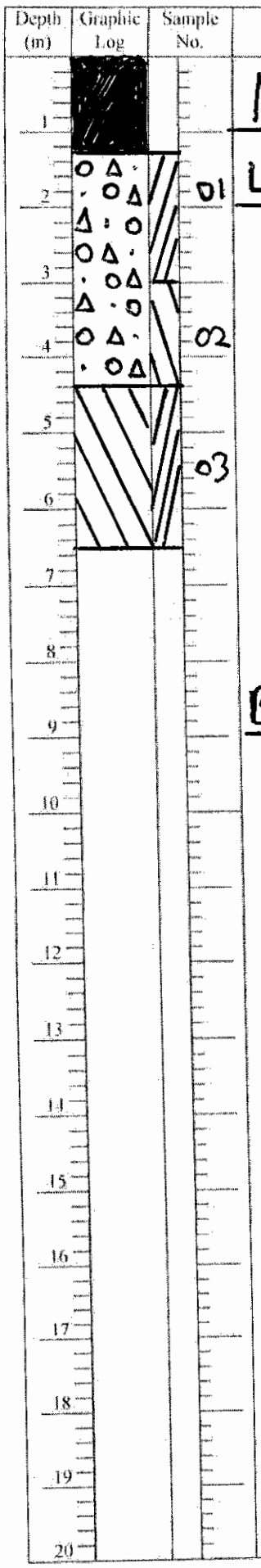
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No.: Bit Footage: Used bit



Descriptive Log

No Return 0–1.3m

Labradorean Till 1.3–4.4m:
- oxidised beige
- matrix supported
- Sand/Silt matrix
- Stony texture
- Clast Composition
  - 80% mafic + Sedimentary
  - 20% granitoid

Bedrock 4.4–6.5m: Basalt (MB)
- dark green in Colour
- moderately foliated
- aphanitic
- Weak Pervasive Chlorite–Calcite alteration
- Weak veinlet related epidote alteration

Date: April 24th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCo-14-064 Site No.: 72 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 8:30 - 9:15 am

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: used bit

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			**Organics 0-1.3m**: • dark brown • humus rich
2		01	**Lake Agassiz Sediments 1.3-1.7m** 1.3-1.7m Sand: • Fine grained • grey
3		02-1071875	
4		03-1071876	
5			**Labradorean Till 1.7-2.9m**: • Sand/silt matrix • Matrix supported • Some bedrock contamination • Clast composition: - 70% mafic + Sedimentary - 30% granitoid
6			
7			
8			
9			
10			**Bedrock 2.9-4.5m**: Chlorite dominant Schist (CPSC) • dark green in colour • Strongly Sheared • Weak foliation related Chlorite-Sericite-(Fe) Carbonate alteration
11			
12			
13			
14			
15			1071876: Quartz-Albite-Carbonate vein (CZQV) • aphanitic • Py trace fine grained disseminated
16			
17			
18			
19			
20			

Date: April 24th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-065 Site No.: 71 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15 min Drilling Time: 9:30 - 10:00 am

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used 6.7

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			No Return 0-1.1m
2		01	Bedrock 1.1-3m: Basalt (MB)
3			• dark green in colour
4			• weak foliation
5			• fresh
6			• weak pervasive chlorite-calcite alteration
7			• Pyrite blank
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Date: April 24th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-066 Site No.: 76 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 10:15 - 11:00am

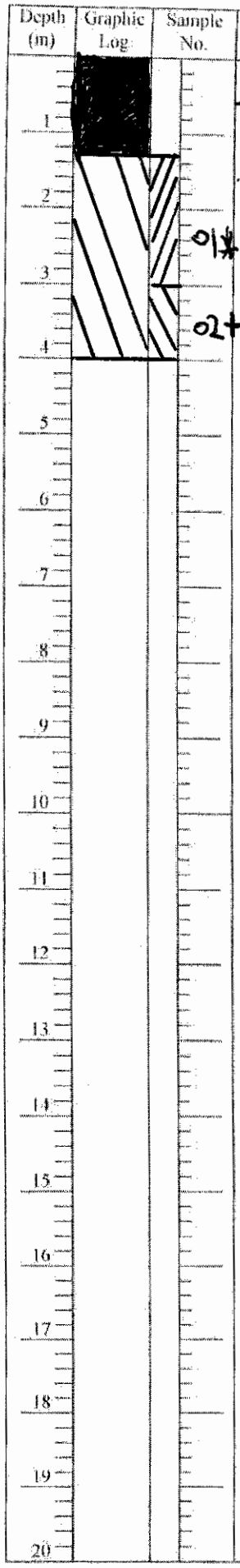
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit



Descriptive Log

No Return 0 - 1.3m

Bedrock 1.3 - 4m: Chlorite dominant Schist + Quartz - Albite - (Fe) Carbonate Veinlet (PSC / ZQV)

- dark green in colour
- moderat weathering
- moderately Sheared
- Weak Foliation related Chlorite - Sericite - (Fe) Carbonate alteration

* Fist Sample Schist dominant

+ Second Sample Quartz dominant

Date: April 24th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCo-14-067 Site No.: 43 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 11:15 – 12:30pm

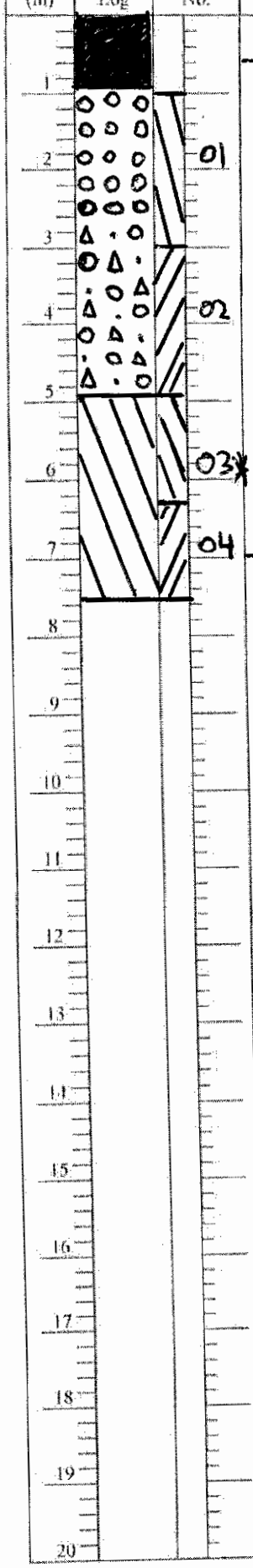
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit



Descriptive Log

No Return 0–0.9m

0.9–2.6m Gravel:
- Coarse matrix biased
- Pebble and Sand
- Sorted
- Clast composition:
  - 40% mafic + Sedimentary
  - 60% granitoid

Labradorean Till 2.6–4.9m:
- Sand/Silt matrix
- Matrix Supported
- Stoney texture
- Clast composition:
  - 60% mafic + sedimentary
  - 40% granitoid

Bedrock 4.9–7.5m: dolerite (MD)
- goethite stained upper 80cm
- Weak–moderate foliation
- leucoxene present
- igneous fine grained
- moderate pervasive Sericite–(Fe) Carbonate alteration
- Moderate weathering

* first sample Strongly weathered

Date: April 24th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-068 Site No.: 56 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormich

Travel Time: Move and Setup Time: Drilling Time: 1:30 – 2:00 pm

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No: Bit Footage: Used bit

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			No Return 0 – 1.5m
2		01	Bedrock 1.5-3m; Basalt (MB)
3			• dark green in colour
4			• massive
5			• aphanitic
6			• Pyrite blank
7			
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Date: April 24th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-069 Site No.: 57 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15 min Drilling Time: 2:15 – 2:45pm

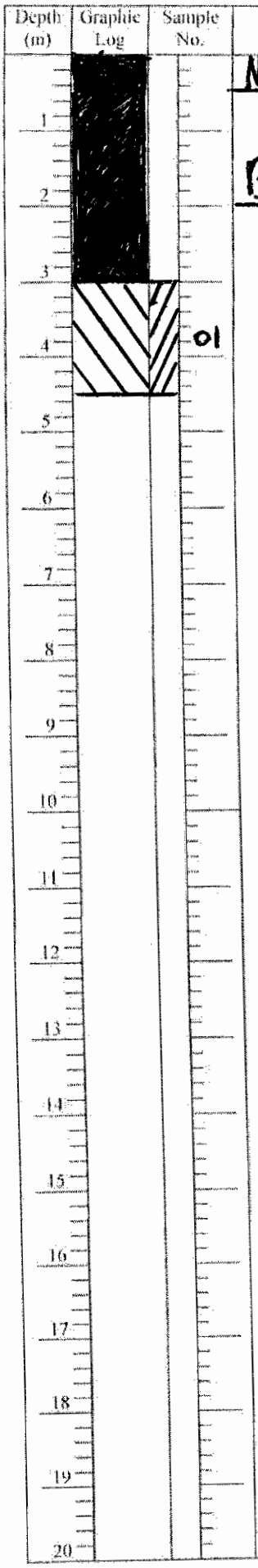
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit



Descriptive Log

No Return 0-3m

Bedrock 3-4.5m : Basalt (MB)

- dark green in colour
- aphanitic
- massive
- weak pervasive chlorite - calcite alteration
- Pyrite blank

Date: April 24th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CGO-14-070 Site No.: 58 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15 min Drilling Time: 3-4:00pm

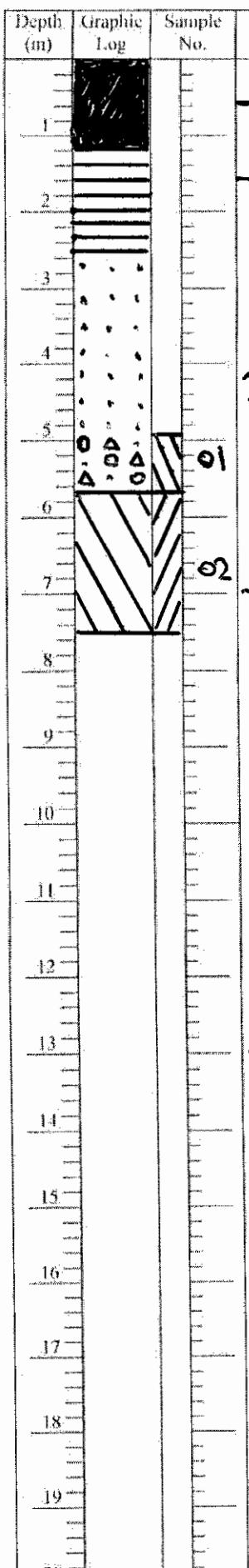
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit



Descriptive Log

No Return 0-1.2m

Lake Agassiz Sediment 1.2-4.9m

1.2-2.5m Clay: · not gritty
· Oxidised light beige

2.5-4.9m Sand: · fine grained
· brown in colour

Till? 4.9-5.7m: · Stoney texture
· Sand/Silt matrix
· Matrix Supported
· Clast Composition:
- 50% matic + Sedimentary
- 50% granitoid

Bedrock 5.7-7.5m: Basalt (MB)
· dark green in colour
· aphanitic
· massive
· Weak pervasive Chlorite - Calcite alteration
· Pyrite blank

Date: April 24th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CEO-14-071 Site No.: 59 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 4:15 - 5:30pm

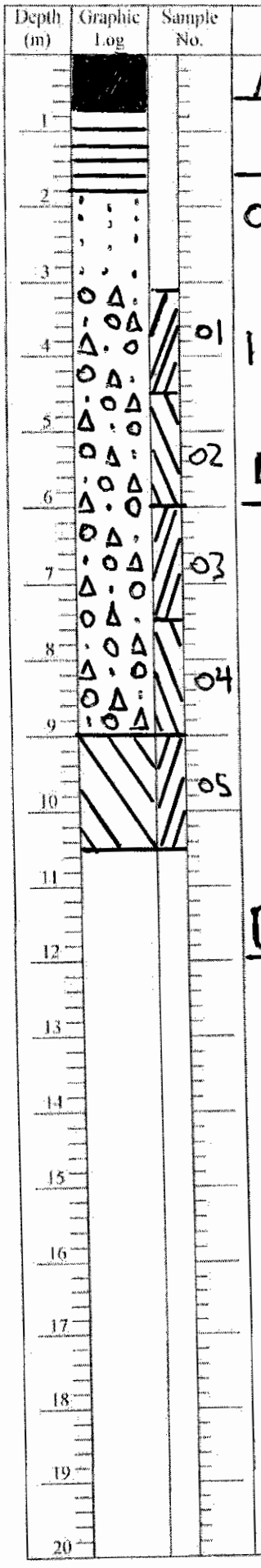
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No: Bit Footage: Used bit



Descriptive Log

No Return 0 - 0.7m

Lake Agassiz Sediments 0.7 - 3.1m

0.7 - 1.8m Clay: • Oxidised
• Not gritty

1.8 - 3.1m Sand: • Fine
• Brown

Labradorean Till 3.1 - 9m: • Sand/Silt matrix
• Clast supported
• Stoney texture
• Clast Composition:
- 60% mafic + Sedimentary
- 40% granitoid

Bedrock 9 - 10.5m: basalt (MB)
• dark green in colour
• aphanitic
• massive
• weak pervasive Chlorite - Calcite alteration
• Pyrite blank

Date: April 25th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-072 Site No.: 48 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 9:30 – 12:00 pm

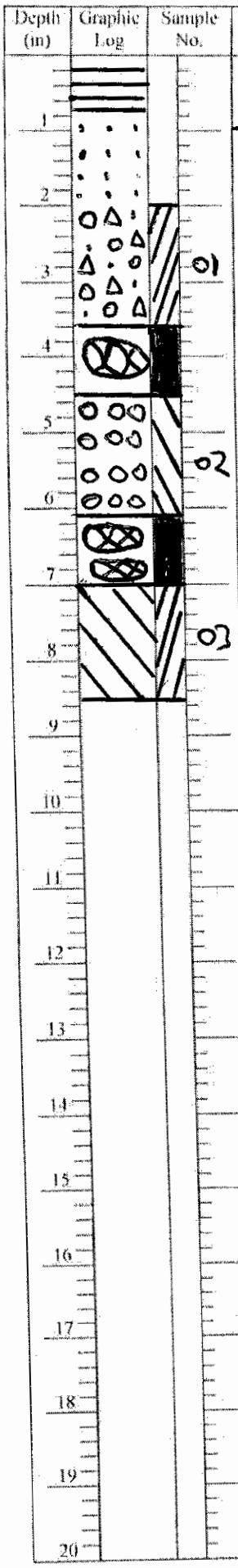
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. Bit Footage: Used bit



Descriptive Log Bedrock ID 1071886

Lake Agassiz Sediments 0 – 2m

0 – 0.7 Clay:
- Oxidised beige
- Not gritty

0.7 – 2m Sand:
- Fine grained
- brown in colour

Till 2 – 3.6m:
- Sand/Silt matrix
- Clast Supported
- Stoney texture
- Clast Composition:
  - 60% mafic + Sedimentary
  - 40% granitoid

3.6 – 4.5m Boulder: mafic dolerite (MD)

Gravel 4.5 – 6.1m:
- Well Sorted
- Pebble + Sand matrix
- Coarse biased
- Clast Composition:
  - 40% mafic + Sedimentary
  - 60% granitoid

6.1 – 7m: Boulder: Dacite porphyry (PQF) + andesite (IA)

Bedrock 7 – 8.5m: Basalt and Quartz – albite-carbonate veinlet (MB/Zq
- moderate foliation
- green + white in colour
- aphanitic
- Pyrite trace vol %

Date: April 25th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-073 Site No.: 44 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15 min Drilling Time: 12:15 - 1:15 pm

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. L233913 Bit Footage: 0 - 8m

Depth (m)	Graphic Log	Sample No.	Descriptive Log
1			No Return 0 - 1.3m
2		01	Labradorean Till 1.3-6m: • Stoney texture
3			• Matrix Supported
4		02	• Sand/Silt matrix
5			• Clast Composition:
6		03	-70% Mafic + Sedimentary
7		04	-30% granitoid
8			Bedrock 6-8m: Chlorite dominant Schist (PSC) + Saprolite (RLO)
9			• Platy texture
10			• moderately Sheared
11			• green in Colour
12			• Moderate Foliation related Chlorite - Calcite Alteration
13			
14			
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April 25th 2014 **Overburden Drilling Management Limited**
Reverse Circulation Drill Hole Lo Page: 1 of 1

No.: CCO-14-074 Site No.: 45 Location: Elevation:
gist: D. Cooper Drilling Company: Cabo Drilling Driller: Floyd McCormick
l Time: Move and Setup Time: Drilling Time: 1:30 - 2:15 pm
ng Problems:
ng Problems:
anical Problems:
umables:
o. L233913 Bit Footage: 8 - 14m

Graphic Log	Sample No.	Descriptive Log
		No Return 0 - 1.1m
		Lake Agassiz Sediments 1.1 - 2.6m
		1.1 - 2.6m Clay: • grey • not gritty
	01	**Labradorean Till 2.6 - 3.9m:** • Sand-Silt matrix • matrix unsorted • Clast Supported • Stoney texture • Clast composition: - 70% mafic + Sedimentary - 30% granitoid
	02	
	03	
		Bedrock 3.9 - 6m Hornblende Feldspar porphyry (PFBH) • massive • Hornblende + Feldspar phenocrysts • Strongly weathered 3.9 - 4.6m (Sample 1) • trace fine grain disseminated Pyrite • moderate pervasive (Fe) Carbonate alteration • Goethite + hematite Stained

Date: April 25th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-075 Site No.: 46 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: 15 min Drilling Time: 2:30 - 3:30pm

Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. L233913 Bit Footage: 12.5 - 19m

Depth (m)	Graphic Log	Sample No.	Descriptive Log Bedrock ID 1071890
1			**No Return 0 - 0.7m**
2			**Lake Agassiz Sediment 0.7 - 4m**
3			0.7 - 1.3m Clay: • oxidised • not gritty
4			1.3 - 4m Sand: • Coarse-medium grained • brown in colour
5		01	
6		02	**Labradorean Till 4 - 4.8m:** • Sand/Silt matrix • matrix supported • Stoney texture • Clast composition: - 70% mafic + Sedimentary - 30% granitoid
7			
8			
9			
10			
11			
12			**Bedrock 4.8 - 6m:** basalt (MB) • dark green in colour • aphanitic • massive • Weak pervasive Chlorite - calcite alteration • Pyrite blank
13			
14			
15			
16			
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19			
20			

Date: April 25th 2014 **Reverse Circulation Drill Hole Log** Page: 1 of 1

Hole No.: CCO-14-076 Site No.: 47 Location: (NAD83) E N Elevation:

Geologist: D. Cooper Drilling Company: Cabo Driller: Floyd McCormick

Travel Time: Move and Setup Time: Drilling Time: 3:45 – 4:45pm

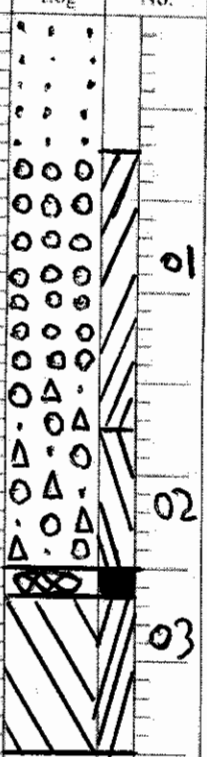
Moving Problems:

Drilling Problems:

Mechanical Problems:

Consumables:

Bit No. L223913 Bit Footage: 18.5 – 26m



Descriptive Log

Lake Agassiz Sediments 0 – 4m

0 – 1.5m Sand:
- Medium grained
- brown in colour

1.5 – 4m Gravel:
- Stoney texture
- pebbles + granules
- Clast Composition:
  - 50% mafic + Sedimentary
  - 50% granitoid

Labradorean Till 4 – 6.3m:
- Sand/Silt matrix
- Clast Supported
- Stoney texture
- Clast Composition:
  - 80% mafic + Sedimentary
  - 20% granitoid

6 – 6.3 Boulder: PGF

Bedrock 6.3 – 8m: Basalt (MB)
- aphanitic
- dark green
- massive
- Pyrite blush
- Weak pervasive Chlorite – Calcite alteration

Appendix II: Sample ID and Description

Hole ID	Field Sample ID	Lab Sample ID	From (m)	To (m)	Sample Type
CCO-12-001	CCO-12-001-01	CCO-12-001-01	5.90	8.00	Till
CCO-12-001	CCO-12-001-02	CCO-12-001-02	8.00	8.90	Till
CCO-12-001	CCO-12-001-03	CCO-12-001-03	8.90	11.00	Bedrock
CCO-12-002	CCO-12-002-01	CCO-12-002-01	3.30	4.80	Till
CCO-12-002	CCO-12-002-02	CCO-12-002-02	4.80	6.80	Bedrock
CCO-12-003	CCO-12-003-01	CCO-12-003-01	1.10	2.70	Till
CCO-12-003	CCO-12-003-02	CCO-12-003-02	2.70	5.00	Bedrock
CCO-12-004	CCO-12-004-01	CCO-12-004-01	7.30	9.00	Till
CCO-12-004	CCO-12-004-02	CCO-12-004-02	9.00	11.00	Till
CCO-12-004	CCO-12-004-03	CCO-12-004-03	11.00	12.40	Till
CCO-12-004	CCO-12-004-04	CCO-12-004-04	12.40	13.25	Till
CCO-12-004	CCO-12-004-05	CCO-12-004-05	13.60	15.40	Bedrock
CCO-12-005	CCO-12-005-01	CCO-12-005-01	3.10	5.00	Till
CCO-12-005	CCO-12-005-02	CCO-12-005-02	5.00	7.00	Till
CCO-12-005	CCO-12-005-03	CCO-12-005-03	7.00	9.00	Till
CCO-12-005	CCO-12-005-04	CCO-12-005-04	9.00	10.70	Till
CCO-12-005	CCO-12-005-05	CCO-12-005-05	10.70	12.50	Till
CCO-12-005	CCO-12-005-06	CCO-12-005-06	12.50	14.00	Till
CCO-12-005	CCO-12-005-07	CCO-12-005-07	14.00	15.50	Till
CCO-12-005	CCO-12-005-08	CCO-12-005-08	15.50	17.00	Till
CCO-12-005	CCO-12-005-09	CCO-12-005-09	17.00	19.00	Till
CCO-12-005	CCO-12-005-10	CCO-12-005-10	19.00	20.30	Till
CCO-12-005	CCO-12-005-11	CCO-12-005-11	20.70	22.60	Bedrock
CCO-12-006	CCO-12-006-01	CCO-12-006-01	1.20	2.80	Till
CCO-12-006	CCO-12-006-02	CCO-12-006-02	2.80	5.00	Till
CCO-12-006	CCO-12-006-03	CCO-12-006-03	5.00	7.00	Till
CCO-12-006	CCO-12-006-04	CCO-12-006-04	7.00	9.00	Till
CCO-12-006	CCO-12-006-05	CCO-12-006-05	9.00	10.80	Till
CCO-12-006	CCO-12-006-06	CCO-12-006-06	10.80	12.70	Till
CCO-12-006	CCO-12-006-07	CCO-12-006-07	12.70	14.50	Bedrock
CCO-12-007	CCO-12-007-01	CCO-12-007-01	1.10	3.30	Till
CCO-12-007	CCO-12-007-02	CCO-12-007-02	3.30	5.30	Till
CCO-12-007	CCO-12-007-03	CCO-12-007-03	5.30	8.00	Bedrock
CCO-12-008	CCO-12-008-01	CCO-12-008-01	1.70	3.90	Till
CCO-12-008	CCO-12-008-02	CCO-12-008-02	3.90	6.60	Bedrock
CCO-12-008	CCO-12-008-03	CCO-12-008-03	6.60	7.70	Bedrock
CCO-12-008	CCO-12-008-04	CCO-12-008-04	7.70	8.40	Bedrock
CCO-12-008	CCO-12-008-05	CCO-12-008-05	8.40	11.00	Bedrock
CCO-12-009	CCO-12-009-01	CCO-12-009-01	2.10	4.10	Till
CCO-12-009	CCO-12-009-02	CCO-12-009-02	4.10	8.00	Bedrock
CCO-12-010	CCO-12-010-01	CCO-12-010-01	0.00	1.10	Till
CCO-12-010	CCO-12-010-02	CCO-12-010-02	1.10	4.00	Bedrock
CCO-12-011	CCO-12-011-01	CCO-12-011-01	0.00	1.70	Till
CCO-12-011	CCO-12-011-02	CCO-12-011-02	1.70	4.40	Bedrock
CCO-12-012	CCO-12-012-01	CCO-12-012-01	0.00	1.50	Till
CCO-12-012	CCO-12-012-02	CCO-12-012-02	1.50	4.50	Bedrock

Hole ID	Field Sample ID	Lab Sample ID	From (m)	To (m)	Sample Type
CCO-12-013	CCO-12-013-01	CCO-12-013-01	4.00	4.60	Till
CCO-12-013	CCO-12-013-02	CCO-12-013-02	4.60	10.00	Bedrock
CCO-12-014	CCO-12-014-01	CCO-12-014-01	1.30	1.80	Till
CCO-12-014	CCO-12-014-02	CCO-12-014-02	1.80	3.00	Bedrock
CCO-12-015	CCO-12-015-01	CCO-12-015-01	2.90	4.00	Till
CCO-12-015	CCO-12-015-02	CCO-12-015-02	4.00	7.00	Bedrock
CCO-12-016	CCO-12-016-01	CCO-12-016-01	1.50	3.80	Till
CCO-12-016	CCO-12-016-02	CCO-12-016-02	4.40	4.80	Till
CCO-12-016	CCO-12-016-03	CCO-12-016-03	4.80	8.00	Bedrock
CCO-12-017	CCO-12-017-01	CCO-12-017-01	1.50	3.40	Till
CCO-12-017	CCO-12-017-02	CCO-12-017-02	3.40	5.00	Bedrock
CCO-12-018	CCO-12-018-01	CCO-12-018-01	0.50	2.00	Till
CCO-12-018	CCO-12-018-02	CCO-12-018-02	2.00	4.00	Till
CCO-12-018	CCO-12-018-03	CCO-12-018-03	4.00	4.80	Till
CCO-12-018	CCO-12-018-04	CCO-12-018-04	5.00	7.00	Till
CCO-12-018	CCO-12-018-05	CCO-12-018-05	7.00	9.00	Till
CCO-12-018	CCO-12-018-06	CCO-12-018-06	9.00	11.40	Till
CCO-12-018	CCO-12-018-07	CCO-12-018-07	11.40	13.50	Bedrock
CCO-12-019	CCO-12-019-01	CCO-12-019-01	0.50	2.50	Till
CCO-12-019	CCO-12-019-02	CCO-12-019-02	2.50	4.50	Till
CCO-12-019	CCO-12-019-03	CCO-12-019-03	4.50	6.50	Till
CCO-12-019	CCO-12-019-04	CCO-12-019-04	6.50	7.40	Till
CCO-12-019	CCO-12-019-05	CCO-12-019-05	7.40	9.40	Bedrock
CCO-12-020	CCO-12-020-01	CCO-12-020-01	2.00	4.00	Till
CCO-12-020	CCO-12-020-02	CCO-12-020-02	4.00	6.00	Till
CCO-12-020	CCO-12-020-03	CCO-12-020-03	6.00	7.80	Till
CCO-12-020	CCO-12-020-04	CCO-12-020-04	7.80	10.00	Till
CCO-12-020	CCO-12-020-05	CCO-12-020-05	10.00	11.50	Till
CCO-12-020	CCO-12-020-06	CCO-12-020-06	11.50	13.00	Bedrock
CCO-12-021	CCO-12-021-01	CCO-12-021-01	2.00	4.00	Till
CCO-12-021	CCO-12-021-02	CCO-12-021-02	4.00	6.00	Till
CCO-12-021	CCO-12-021-03	CCO-12-021-03	6.00	7.20	Till
CCO-12-021	CCO-12-021-04	CCO-12-021-04	7.20	9.20	Bedrock
CCO-12-022	CCO-12-022-01	CCO-12-022-01	1.00	1.60	Till
CCO-12-022	CCO-12-022-02	CCO-12-022-02	1.60	3.60	Bedrock
CCO-12-023	CCO-12-023-01	CCO-12-023-01	1.50	3.80	Till
CCO-12-023	CCO-12-023-02	CCO-12-023-02	3.80	6.80	Bedrock
CCO-12-024	CCO-12-024-01	CCO-12-024-01	0.50	1.80	Till
CCO-12-024	CCO-12-024-02	CCO-12-024-02	1.80	3.80	Bedrock
CCO-12-025	CCO-12-025-01	CCO-12-025-01	0.50	2.60	Till
CCO-12-025	CCO-12-025-02	CCO-12-025-02	2.60	4.10	Bedrock
CCO-12-026	CCO-12-026-01	CCO-12-026-01	7.00	8.50	Till
CCO-12-026	CCO-12-026-02	CCO-12-026-02	8.50	10.50	Bedrock
CCO-12-027	CCO-12-027-01	CCO-12-027-01	6.40	6.50	Till
CCO-12-027	CCO-12-027-02	CCO-12-027-02	6.50	8.00	Bedrock
CCO-12-028	CCO-12-028-01	CCO-12-028-01	0.40	0.60	Till

Hole ID	Field Sample ID	Lab Sample ID	From (m)	To (m)	Sample Type
CCO-12-028	CCO-12-028-02	CCO-12-028-02	0.60	2.60	Bedrock
CCO-12-029	CCO-12-029-01	CCO-12-029-01	0.60	2.00	Till
CCO-12-029	CCO-12-029-02	CCO-12-029-02	2.00	3.50	Bedrock
CCO-12-030	CCO-12-030-01	CCO-12-030-01	1.00	1.60	Till
CCO-12-030	CCO-12-030-02	CCO-12-030-02	2.00	3.20	Till
CCO-12-030	CCO-12-030-03	CCO-12-030-03	3.80	4.60	Till
CCO-12-030	CCO-12-030-04	CCO-12-030-04	4.60	6.60	Bedrock
CCO-12-031	CCO-12-031-01	CCO-12-031-01	1.50	2.00	Till
CCO-12-031	CCO-12-031-02	CCO-12-031-02	2.00	3.50	Bedrock
CCO-12-032	CCO-12-032-01	CCO-12-032-01	6.00	9.80	Till
CCO-12-032	CCO-12-032-02	CCO-12-032-02	9.80	11.50	Till
CCO-12-032	CCO-12-032-03	CCO-12-032-03	11.50	13.50	Till
CCO-12-032	CCO-12-032-04	CCO-12-032-04	13.50	15.50	Bedrock
CCO-12-033	CCO-12-033-01	CCO-12-033-01	3.50	4.50	Till
CCO-12-033	CCO-12-033-02	CCO-12-033-02	4.50	6.50	Bedrock
CCO-12-034	CCO-12-034-01	CCO-12-034-01	1.50	3.50	Till
CCO-12-034	CCO-12-034-02	CCO-12-034-02	4.00	4.50	Till
CCO-12-034	CCO-12-034-03	CCO-12-034-03	4.50	6.00	Bedrock
CCO-12-035	CCO-12-035-01	CCO-12-035-01	4.00	5.50	Till
CCO-12-035	CCO-12-035-02	CCO-12-035-02	5.50	6.00	Till
CCO-12-035	CCO-12-035-03	CCO-12-035-03	6.00	8.00	Bedrock
CCO-12-036	CCO-12-036-01	CCO-12-036-01	3.40	5.00	Bedrock
CCO-14-037	CCO-14-037-01	1071848	2.00	3.50	Bedrock
CCO-14-038	CCO-14-038-01	CRO-038-001	3.40	5.10	Till
CCO-14-038	CCO-14-038-02	1071849	5.10	7.00	Bedrock
CCO-14-039	CCO-14-039-01	CRO-039-001	3.40	5.10	Till
CCO-14-039	CCO-14-039-02	1071850	5.10	7.00	Bedrock
CCO-14-040	CCO-14-040-01	CRO-040-001	5.00	5.60	Till
CCO-14-040	CCO-14-040-02	1071851	5.60	7.50	Bedrock
CCO-14-041	CCO-14-041-01	CRO-041-001	4.50	5.90	Till
CCO-14-041	CCO-14-041-02	1071852	5.90	7.50	Bedrock
CCO-14-042	CCO-14-042-02	CRO-042-002	2.50	4.00	Till
CCO-14-042	CCO-14-042-03	1071853	4.00	6.00	Bedrock
CCO-14-043	CCO-14-043-01	1071854	1.00	1.50	Bedrock
CCO-14-044	CCO-14-044-01	CRO-044-001	1.00	1.60	Till
CCO-14-044	CCO-14-044-02	1071855	1.60	3.50	Bedrock
CCO-14-045	CCO-14-045-01	1071856	3.00	4.50	Bedrock
CCO-14-046	CCO-14-046-02	1071857	1.00	3.00	Bedrock
CCO-14-047	CCO-14-047-01	1071858	1.10	2.50	Bedrock
CCO-14-048	CCO-14-048-01	CRO-048-001	1.00	3.00	Till
CCO-14-048	CCO-14-048-02	CRO-048-002	3.00	4.70	Till
CCO-14-048	CCO-14-048-03	1071859	4.70	6.00	Bedrock
CCO-14-049	CCO-14-049-01	CRO-049-001	1.30	2.70	Till
CCO-14-049	CCO-14-049-01	1071860	2.70	4.50	Bedrock
CCO-14-050	CCO-14-050-01	CRO-050-001	1.20	2.60	Till
CCO-14-050	CCO-14-050-02	1071861	2.60	4.50	Bedrock

Hole ID	Field Sample ID	Lab Sample ID	From (m)	To (m)	Sample Type
CCO-14-051	CCO-14-051-01	1071862	1.50	3.50	Bedrock
CCO-14-052	CCO-14-052-01	1071863	1.50	3.50	Bedrock
CCO-14-053	CCO-14-053-02	CRO-053-002	3.50	4.70	Till
CCO-14-053	CCO-14-053-03	1071864	4.70	6.50	Bedrock
CCO-14-054	CCO-14-054-02	CRO-054-002	4.50	6.00	Till
CCO-14-054	CCO-14-054-03	1071865	6.40	8.00	Bedrock
CCO-14-055	CCO-14-055-01	1071866	4.40	6.00	Bedrock
CCO-14-056	CCO-14-056-01	1071867	0.80	3.00	Bedrock
CCO-14-057	CCO-14-057-01	1071868	2.50	4.50	Bedrock
CCO-14-058	CCO-14-058-01	CRO-058-001	1.40	2.10	Till
CCO-14-058	CCO-14-058-02	1071869	2.10	4.00	Bedrock
CCO-14-059	CCO-14-059-01	CRO-059-001	1.50	2.60	Till
CCO-14-059	CCO-14-059-02	1071870	2.60	4.50	Bedrock
CCO-14-060	CCO-14-060-01	1071871	2.60	4.50	Bedrock
CCO-14-061	CCO-14-061-02	CRO-061-002	2.70	4.70	Till
CCO-14-061	CCO-14-061-03	1071872	4.70	6.50	Bedrock
CCO-14-062	CCO-14-062-02	CRO-062-002	4.00	6.60	Till
CCO-14-062	CCO-14-062-03	1071873	7.50	9.50	Bedrock
CCO-14-063	CCO-14-063-02	CRO-063-002	3.00	4.40	Till
CCO-14-063	CCO-14-063-03	1071874	4.40	6.50	Bedrock
CCO-14-064	CCO-14-064-01	CRO-064-001	1.50	2.90	Till
CCO-14-064	CCO-14-064-02	1071875	2.90	3.90	Bedrock
CCO-14-064	CCO-14-064-03	1071876	3.90	4.50	Bedrock
CCO-14-065	CCO-14-065-01	1071877	1.10	3.00	Bedrock
CCO-14-066	CCO-14-066-01	1071878	1.30	3.00	Bedrock
CCO-14-066	CCO-14-066-02	1071879	3.00	4.00	Bedrock
CCO-14-067	CCO-14-067-02	CRO-067-002	3.00	4.90	Till
CCO-14-067	CCO-14-067-03	1071880	4.90	6.30	Bedrock
CCO-14-067	CCO-14-067-04	1071881	6.30	7.50	Bedrock
CCO-14-068	CCO-14-068-01	1071882	1.50	3.00	Bedrock
CCO-14-069	CCO-14-069-01	1071883	3.00	4.50	Bedrock
CCO-14-070	CCO-14-070-01	CRO-070-001	4.90	5.70	Till
CCO-14-070	CCO-14-070-02	1071884	5.70	7.50	Bedrock
CCO-14-071	CCO-14-071-04	CRO-071-004	7.50	9.00	Till
CCO-14-071	CCO-14-071-05	1071885	9.00	10.50	Bedrock
CCO-14-072	CCO-14-072-02	CRO-072-002	4.50	6.10	Till
CCO-14-072	CCO-14-072-03	1071886	7.00	8.50	Bedrock
CCO-14-073	CCO-14-073-03	CRO-073-003	4.50	6.00	Till
CCO-14-073	CCO-14-073-04	1071887	6.00	8.00	Bedrock
CCO-14-074	CCO-14-074-01	CRO-074-001	2.80	3.90	Till
CCO-14-074	CCO-14-074-02	1071888	3.90	4.60	Bedrock
CCO-14-074	CCO-14-074-03	1071889	4.60	6.00	Bedrock
CCO-14-075	CCO-14-075-01	CRO-075-001	4.00	4.40	Till
CCO-14-075	CCO-14-075-01	1071890	4.80	6.00	Bedrock
CCO-14-076	CCO-14-076-02	CRO-076-002	4.50	6.00	Till
CCO-14-076	CCO-14-076-03	1071891	6.30	8.00	Bedrock

Appendix III: ODM Gold Grain Summary, HMC Predictions, Heavy Mineral Weights and Physical Characteristics of Samples

OVERBURDEN DRILLING MANAGEMENT LIMITED

GOLD GRAIN SUMMARY

Filename: 20125865 - Coventry - Goddard - (CCO) - Gold-HMC
Total Number of Samples in this Report = 75

Sample Number	Number of Visible Gold Grains				Nonmag HMC Weight (g)	Calculated PPB Visible Gold in HMC			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
CCO-12-001-01	0	0	0	0	36.6	0	0	0	0
CCO-12-001-02	1	1	0	0	27.8	7	7	0	0
CCO-12-002-01	4	3	1	0	41.3	290	286	5	0
CCO-12-003-01	2	2	0	0	29.5	4	4	0	0
CCO-12-004-01	5	4	0	1	28.9	157	156	0	1
CCO-12-004-02	1	1	0	0	39.3	1	1	0	0
CCO-12-004-03	1	1	0	0	36.1	10	10	0	0
CCO-12-004-04	19	17	1	1	39.8	507	482	16	9
CCO-12-005-01	8	4	3	1	39.4	25	8	8	9
CCO-12-005-02	1	0	1	0	32.5	6	0	6	0
CCO-12-005-03	1	1	0	0	11.2	7	7	0	0
CCO-12-005-04	10	2	6	2	49.8	17	5	9	2
CCO-12-005-05	3	3	0	0	44.0	178	178	0	0
CCO-12-005-06	0	0	0	0	47.6	0	0	0	0
CCO-12-005-07	6	6	0	0	43.9	271	271	0	0
CCO-12-005-08	3	3	0	0	23.1	32	32	0	0
CCO-12-005-09	0	0	0	0	13.6	0	0	0	0
CCO-12-005-10	0	0	0	0	24.0	0	0	0	0
CCO-12-006-01	17	9	5	3	21.1	245	208	17	20
CCO-12-006-02	9	6	3	0	37.7	63	60	3	0
CCO-12-006-03	7	2	5	0	28.1	43	36	7	0
CCO-12-006-04	3	2	1	0	32.8	26	25	1	0
CCO-12-006-05	2	2	0	0	24.7	1	1	0	0
CCO-12-006-06	7	4	3	0	29.2	177	136	41	0
CCO-12-007-01	7	3	4	0	24.0	239	214	25	0
CCO-12-007-02	4	4	0	0	30.3	142	142	0	0
CCO-12-008-01	6	3	3	0	41.2	14	7	7	0
CCO-12-009-01	8	3	5	0	21.7	35	5	30	0
CCO-12-010-01	0	0	0	0	4.5	0	0	0	0
CCO-12-011-01	2	1	1	0	12.7	59	29	29	0
CCO-12-012-01	2	1	1	0	19.6	37	33	4	0
CCO-12-013-01	3	1	2	0	31.6	6	1	5	0
CCO-12-014-01	1	1	0	0	7.2	686	686	0	0
CCO-12-015-01	4	4	0	0	19.3	38	38	0	0
CCO-12-016-01	12	11	1	0	42.2	20	18	2	0
CCO-12-016-02	0	0	0	0	4.1	0	0	0	0
CCO-12-017-01	2	2	0	0	15.9	36	36	0	0
CCO-12-018-01	2	2	0	0	119.5	50	50	0	0
CCO-12-018-02	6	6	0	0	62.5	24	24	0	0
CCO-12-018-03	2	2	0	0	15.5	121	121	0	0

Most clast cuttings removed in the field.

OVERBURDEN DRILLING MANAGEMENT LIMITED

GOLD GRAIN SUMMARY

Filename: 20125865 - Coventry - Goddard - (CCO) - Gold-HMC
Total Number of Samples in this Report = 75

Sample Number	Number of Visible Gold Grains				Nonmag HMC Weight (g)	Calculated PPB Visible Gold in HMC			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
CCO-12-001-01	0	0	0	0	36.6	0	0	0	0
CCO-12-018-04	0	0	0	0	16.7	0	0	0	0
CCO-12-018-05	5	4	1	0	11.8	318	311	7	0
CCO-12-018-06	3	1	2	0	25.9	25	14	11	0
CCO-12-019-01	2	0	2	0	12.1	9	0	9	0
CCO-12-019-02	0	0	0	0	19.3	0	0	0	0
CCO-12-019-03	0	0	0	0	19.0	0	0	0	0
CCO-12-019-04	0	0	0	0	4.4	0	0	0	0
CCO-12-020-01	4	4	0	0	39.2	24	24	0	0
CCO-12-020-02	4	4	0	0	63.7	38	38	0	0
CCO-12-020-03	2	2	0	0	58.3	14	14	0	0
CCO-12-020-04	2	2	0	0	31.7	32	32	0	0
CCO-12-020-05	2	2	0	0	59.3	6	6	0	0
CCO-12-021-01	17	9	7	1	38.8	108	60	46	2
CCO-12-021-02	17	3	7	7	51.6	41	17	14	11
CCO-12-021-03	9	9	0	0	30.8	1347	1347	0	0
CCO-12-022-01	1	0	1	0	7.3	88	0	88	0
CCO-12-023-01	1	0	1	0	32.0	6	0	6	0
CCO-12-024-01	9	8	1	0	38.4	44	39	5	0
CCO-12-025-01	8	3	5	0	21.5	110	86	24	0
CCO-12-026-01	2	2	0	0	33.3	33	33	0	0
CCO-12-027-01	0	0	0	0	0.9	0	0	0	0
CCO-12-028-01	1	0	1	0	5.3	36	0	36	0
CCO-12-029-01	1	0	1	0	15.7	2	0	2	0
CCO-12-030-01	1	1	0	0	19.2	4	4	0	0
CCO-12-030-02	0	0	0	0	29.2	0	0	0	0
CCO-12-030-03	5	0	3	2	29.2	70	0	16	54
CCO-12-031-01	0	0	0	0	6.8	0	0	0	0
CCO-12-032-01	3	1	2	0	23.7	98	8	90	0
CCO-12-032-02	0	0	0	0	30.2	0	0	0	0
CCO-12-032-03	0	0	0	0	17.0	0	0	0	0
CCO-12-033-01	5	2	3	0	33.4	53	25	28	0
CCO-12-034-01	8	1	7	0	22.0	38	1	37	0
CCO-12-034-02	4	0	4	0	3.4	145	0	145	0
CCO-12-035-01	2	0	1	1	32.4	7	0	1	6
CCO-12-035-02	1	0	1	0	6.7	12	0	12	0

Most clast cuttings removed in the field.

OVERBURDEN DRILLING MANAGEMENT LIMITED

DETAILED GOLD GRAIN DATA

Filename: 20125865 - Coventry - Goddard - (CCO) - Gold-HMC

Total Number of Samples in this Report = 75

Sample Number	Panned Yes/No	Dimensions (microns)			Number of Visible Gold Grains				Nonmag HMC Weight (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
		Thickness	Width	Length	Reshaped	Modified	Pristine	Total			
CCO-12-001-01	No	NO VISIBLE GOLD									~100 grains pyrite (25-1000µm).
CCO-12-001-02	No	10 C	25	75	1			1			~100 grains pyrite (25-500µm).
								1	27.8	7	
CCO-12-002-01	No	5 C	25	25	1			1			1% pyrite (25-1000µm).
		10 C	50	50		1		1			
		13 C	50	75	1			1			
		38 C	175	225	1			1			
								4	41.3	290	
CCO-12-003-01	No	5 C	25	25	1			1			1% pyrite (25-500µm).
		8 C	25	50	1			1			
								2	29.5	4	

CCO-12-004-01	No	5	C	25	25			1	1			1% pyrite (25-1000µm).
		13	C	50	75	1			1			
		18	C	75	100	2			2			
		22	C	100	125	1			1			
									5	28.9	157	
CCO-12-004-02	No	5	C	25	25	1			1			~20 grains pyrite (25-200µm).
									1	39.3	1	
CCO-12-004-03	No	13	C	50	75	1			1			1% pyrite (25-100µm).
									1	36.1	10	
CCO-12-004-04	Yes	3	C	15	15	3			3			5% pyrite (25-500µm).
		5	C	25	25	3			3			
		8	C	25	50	4			4			
		13	C	25	100	1			1			
		10	C	50	50	1			1			
		13	C	50	75			1	1			
		18	C	50	125	1			1			
		15	C	75	75		1		1			
		18	C	75	100	1			1			
		20	C	75	125	1			1			
		50	M	125	175	1			1			
		31	C	125	200	1			1			
									19	39.8	507	

CCO-12-005-01	No	5	C	25	25	2	1		3			~100 grains pyrite (25-150µm).
		8	C	25	50	1	1		2			
		10	C	50	50	1	1		2			
		13	C	50	75			1	1			
									8	39.4	25	
CCO-12-005-02	No	10	C	50	50		1		1			~500 grains pyrite (25-500µm).
									1	32.5	6	
CCO-12-005-03	No	8	C	25	50	1			1			20% pyrite (25-200µm).
									1	11.2	7	
CCO-12-005-04	No	3	C	15	15		1		1			5% pyrite (25-500µm).
		5	C	25	25		1	1	2			
		8	C	25	50	1	3	1	5			
		10	C	25	75	1			1			
		10	C	50	50		1		1			
									10	49.8	17	
CCO-12-005-05	No	8	C	25	50	1			1			2% pyrite (25-1000µm).
		6	C	5	50	1			1			
		34	C	125	225	1			1			
									3	44.0	178	

CCO-12-005-06	No	NO VISIBLE GOLD									1% pyrite (25-500µm).
CCO-12-005-07	No	5	C	25	25	1			1		1% pyrite (25-500µm).
		8	C	25	50	1			1		
		10	C	25	75	1			1		
		15	C	50	100	1			1		
		20	C	100	100	1			1		
		36	C	175	200	1			1		
									6	43.9	271
CCO-12-005-08	No	5	C	25	25	1			1		2% pyrite (25-1000µm).
		8	C	25	50	1			1		
		15	C	50	100	1			1		
									3	23.1	32
CCO-12-005-09	No	NO VISIBLE GOLD									1% pyrite (25-1000µm).
CCO-12-005-10	No	NO VISIBLE GOLD									2% pyrite (25-1000µm).
CCO-12-006-01	Yes	3	C	15	15	3	2		5		~500 grains pyrite (25-500µm).
		5	C	25	25			2	2		
		8	C	25	50	1	2		3		
		10	C	25	75	2	1		3		
		13	C	50	75	1		1	2		

		15	C	50	100	1		1		
		25	C	100	150	1		1		
								17	21.1	245
CCO-12-006-02	No	5	C	25	25	1	2	3		~200 grains pyrite (25-500µm).
		8	C	25	50		1	1		
		10	C	50	50	1		1		
		13	C	50	75	2		2		
		15	C	50	100	1		1		
		15	C	75	75	1		1		
								9	37.7	63
CCO-12-006-03	No	3	C	15	15		2	2		~100 grains pyrite (25-500µm).
		5	C	25	25		1	1		
		8	C	25	50		2	2		
		13	C	50	75	1		1		
		15	C	75	75	1		1		
								7	28.1	43
CCO-12-006-04	No	5	C	25	25		1	1		~200 grains pyrite (25-500µm).
		10	C	50	50	1		1		
		15	C	75	75	1		1		
								3	32.8	26

CCO-12-006-05	No	3	C	15	15	1		1			~25 grains galena (25-75µm).
		5	C	25	25	1		1			2% pyrite (25-1000µm).
								2	24.7	1	
CCO-12-006-06	No	10	C	50	50	1		1			~100 grains pyrite (25-500µm).
		8	C	5	75		2	2			
		15	C	75	75	1		1			
		18	C	75	100	1	1	2			
		22	C	100	125	1		1			
								7	29.2	177	
CCO-12-007-01	No	3	C	15	15	1	1	2			~100 grains pyrite (25-500µm).
		5	C	25	25		1	1			
		10	C	50	50	1	1	2			
		13	C	50	75		1	1			
		29	C	150	150	1		1			
								7	24.0	239	
CCO-12-007-02	No	10	C	50	50	2		2			2% pyrite (25-1000µm).
		18	C	75	100	1		1			
		25	C	125	125	1		1			
								4	30.3	142	

CCO-12-008-01	No	5	C	25	25	1	1	2			~10 grains pyrite (25-75µm).
		8	C	25	50	1	1	2			
		10	C	25	75		1	1			
		10	C	50	50	1		1			
								6	41.2	14	
CCO-12-009-01	No	3	C	15	15	1		1			5% pyrite (25-500µm).
		5	C	25	25	1	1	2			
		8	C	25	50	1	3	4			
		13	C	50	75		1	1			
								8	21.7	35	
CCO-12-010-01	No	NO VISIBLE GOLD									2% pyrite (25-500µm).
CCO-12-011-01	No	13	C	50	75	1	1	2			5% pyrite (25-1000µm).
								2	12.7	59	
CCO-12-012-01	No	8	C	25	50		1	1			1% pyrite (25-1000µm).
		15	C	50	100	1		1			
								2	19.6	37	
CCO-12-013-01	No	5	C	25	25	1		1			5% pyrite (25-1000µm).
		8	C	25	50		2	2			
								3	31.6	6	

CCO-12-014-01	No	29	C	150	150	1		1			~300 grains pyrite (25-500µm).
								1	7.2	686	
CCO-12-015-01	No	8	C	25	50	2		2			1% pyrite (25-1000µm).
		10	C	50	50	1		1			
		13	C	50	75	1		1			
								4	19.3	38	
CCO-12-016-01	Yes	3	C	15	15	3		3			~40 grains pyrite (25-250µm).
		5	C	25	25	4		4			
		8	C	25	50	1	1	2			
		10	C	25	75	1		1			
		10	C	50	50	2		2			
								12	42.2	20	
CCO-12-016-02	No	NO VISIBLE GOLD									1% pyrite (25-200µm).
CCO-12-017-01	No	10	C	25	75	1		1			2% pyrite (25-800µm).
		13	C	50	75	1		1			
								2	15.9	36	
CCO-12-018-01	No	13	C	25	100	1		1			5% pyrite (25µm).
		75	M	100	100	1		1			

								2	119.5	50	
CCO-12-018-02	No	5	C	25	25	1		1			1% pyrite (25µm).
		8	C	25	50	3		3			
		10	C	50	50	1		1			
		18	C	50	125	1		1			
								6	62.5	24	
CCO-12-018-03	No	13	C	50	75	1		1			1% pyrite (25-500µm).
		20	C	50	150	1		1			
								2	15.5	121	
CCO-12-018-04	No	NO VISIBLE GOLD									1% pyrite (25-75µm).
CCO-12-018-05	No	5	C	25	25	2		2			1% pyrite (25-1000µm).
		8	C	25	50		1	1			
		20	C	75	125	1		1			
		22	C	100	125	1		1			
								5	11.8	318	
CCO-12-018-06	No	8	C	25	50		1	1			5% pyrite (25-1000µm).
		10	C	50	50		1	1			
		13	C	50	75	1		1			
								3	25.9	25	

CCO-12-019-01	No	5	C	25	25	1	1			1% pyrite (25-1000µm).
		8	C	25	50	1	1			
							2	12.1	9	
CCO-12-019-02	No	NO VISIBLE GOLD								5% pyrite (25-1000µm).
CCO-12-019-03	No	NO VISIBLE GOLD								~10 grains pyrite (25-100µm).
CCO-12-019-04	No	NO VISIBLE GOLD								2% pyrite (25-1000µm).
CCO-12-020-01	No	10	C	25	75	1	1			5% pyrite (25-100µm).
		10	C	50	50	2	2			
		13	C	50	75	1	1			
							4	39.2	24	
CCO-12-020-02	No	13	C	50	75	2	2			5% pyrite (25-100µm).
		15	C	75	75	1	1			
		18	C	75	100	1	1			
							4	63.7	38	
CCO-12-020-03	No	10	C	50	50	1	1			5% pyrite (25-100µm).
		15	C	50	100	1	1			

								2	58.3	14	
CCO-12-020-04	No	13	C	50	75	1		1			5% pyrite (25-500µm).
		15	C	50	100	1		1			
								2	31.7	32	
CCO-12-020-05	No	10	C	50	50	2		2			1% pyrite (25-1000µm).
								2	59.3	6	
CCO-12-021-01	Yes	5	C	25	25	2	1	3			1% pyrite (25-1000µm).
		8	C	25	50	3	2	1 6			
		10	C	25	75	1	1	2			
		10	C	50	50	1		1			
		13	C	50	75		2	2			
		15	C	50	100		1	1			
		15	C	75	75	1		1			
		18	C	75	100	1		1			
								17	38.8	108	
CCO-12-021-02	Yes	3	C	15	15		2	1 3			1% pyrite (25-500µm).
		5	C	25	25	1	2	1 4			
		8	C	25	50		1	4 5			
		10	C	25	75	1	1	2			
		10	C	50	50			1 1			
		13	C	50	75		1	1			
		15	C	75	75	1		1			
								17	51.6	41	

CCO-12-021-03	No	3	C	15	15	2		2			2% pyrite (25-1000µm).
		8	C	25	50	1		1			
		13	C	50	75	2		2			
		15	C	50	100	1		1			
		18	C	75	100	1		1			
		20	C	75	125	1		1			
		125	M	200	200	1		1			
								9	30.8	1347	
CCO-12-022-01	No	15	C	50	100		1	1			2% pyrite (25-1000µm).
								1	7.3	88	
CCO-12-023-01	No	10	C	50	50		1	1			1% pyrite (25-1000µm).
								1	32.0	6	
CCO-12-024-01	No	5	C	25	25	1		1			1% pyrite (25-1000µm).
		8	C	25	50	3		3			
		10	C	25	75	2	1	3			
		10	C	50	50	1		1			
		15	C	50	100	1		1			
								9	38.4	44	
CCO-12-025-01	No	7	C	15	50		2	2			2% pyrite (25-1000µm).
		5	C	25	25		1	1			
		10	C	50	50	1	2	3			
		15	C	75	75	1		1			

		18	C	75	100	1		1		
								8	21.5	110
CCO-12-026-01	No	8	C	25	50	1		1		1% pyrite (25-1000µm).
		18	C	75	100	1		1		
								2	33.3	33
CCO-12-027-01	No	NO VISIBLE GOLD								1% pyrite (25-2000µm).
CCO-12-028-01	No	10	C	50	50		1	1		1% pyrite (25-1000µm).
								1	5.3	36
CCO-12-029-01	No	5	C	25	25		1	1		~100 grains pyrite (25-500µm).
								1	15.7	2
CCO-12-030-01	No	8	C	25	50	1		1		~200 grains pyrite (25-500µm).
								1	19.2	4
CCO-12-030-02	No	NO VISIBLE GOLD								2% pyrite (25-2000µm).

CCO-12-030-03	No	3	C	15	15		1		1			~200 grains pyrite (25-500µm).
		8	C	25	50		1	1	2			
		13	C	50	75		1		1			
		20	C	75	125			1	1			
									5	29.2	70	
CCO-12-031-01	No	NO VISIBLE GOLD										2% pyrite (25-1000µm).
CCO-12-032-01	No	10	C	25	75	1			1			2% pyrite (25-1000µm).
		15	C	50	100		1		1			
		20	C	75	125		1		1			
									3	23.7	98	
CCO-12-032-02	No	NO VISIBLE GOLD										5% pyrite (25-1000µm).
CCO-12-032-03	No	NO VISIBLE GOLD										5% pyrite (25-1000µm).
CCO-12-033-01	No	10	C	50	50	1	1		2			
		13	C	50	75		2		2			
		15	C	75	75	1			1			
									5	33.4	53	
CCO-12-034-01	No	3	C	15	15		2		2			2% pyrite (25-1000µm).
		5	C	25	25	1	2		3			

		10	C	25	75	1		1		
		10	C	50	50	1		1		
		13	C	50	75	1		1		
								8	22.0	38
CCO-12-034-02	No	4	C	15	25	1		1		1% pyrite (25-500µm).
		5	C	25	25	1		1		
		8	C	25	50	1		1		
		13	C	50	75	1		1		
								4	3.4	145
CCO-12-035-01	No	5	C	25	25	1		1		3% pyrite (25-1000µm).
		10	C	50	50		1	1		
								2	32.4	7
CCO-12-035-02	No	8	C	25	50	1		1		2% pyrite (25-800µm).
								1	6.7	12

OVERBURDEN DRILLING MANAGEMENT LIMITED
RAW SAMPLE DESCRIPTIONS AND PROCESSING WEIGHTS

Filename: 20125865 - Coventry - Goddard - (CCO) - Gold-HMC

Total Number of Samples in this Report = 75

	Weight (kg wet)				-2.0 mm Table Concentrate Weight (g dry					Sample Description												
						Heavy Liquid Separation (S.G. 3.3)				Clasts (> 2.0 mm)					Matrix (<2.0 mm)							
							HMC				Percentage				Distribution					Colour		
Sample Number	Bulk Rec'd	Table Split	+2.0 mm Clasts	Table Feed	Total	Lights	Total	Non Mag	Mag	Size	V/S	GR	LS	OT	S/U	SD	ST	CY	ORG	SD	CY	CLASS
CCO-12-001-01	9.9	9.4	0.5	8.9	366.7	311.6	55.1	36.6	18.5	C	50	50	0	0	S	MC	-	N	N	BE	NA	SAND
CCO-12-001-02	12.2	11.7	1.4	10.3	271.1	225.6	45.5	27.8	17.7	C	50	50	0	0	U	+	-	-	N	BE	BE	TILL
CCO-12-002-01	10.1	9.6	1.1	8.5	341.8	284.6	57.2	41.3	15.9	C	50	50	0	0	U	+	-	-	N	GB	GB	TILL
CCO-12-003-01	10.8	10.3	1.4	8.9	220.4	171.0	49.4	29.5	19.9	C	60	40	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-004-01	11.5	11.0	0.1	10.9	278.5	233.8	44.7	28.9	15.8	P	80	20	0	0	S	MC	-	N	N	GB	NA	SAND
CCO-12-004-02	10.8	10.3	1.1	9.2	306.2	240.7	65.5	39.3	26.2	C	40	60	0	0	U	+	-	-	N	BE	BE	TILL
CCO-12-004-03	10.8	10.3	1.2	9.1	244.2	179.3	64.9	36.1	28.8	C	50	50	0	0	U	+	Y	-	N	LOC	LOC	TILL
CCO-12-004-04	11.5	11.0	1.8	9.2	219.9	150.5	69.4	39.8	29.6	C	60	40	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-005-01	6.7	6.2	1.0	5.2	227.2	159.0	68.2	39.4	28.8	C	60	40	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-005-02	8.6	8.1	1.5	6.6	480.3	421.8	58.5	32.5	26.0	C	70	30	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-005-03	6.9	6.4	1.7	4.7	104.9	82.5	22.4	11.2	11.2	C	60	40	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-005-04	12.6	12.1	2.3	9.8	474.6	398.8	75.8	49.8	26.0	C	60	40	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-005-05	10.1	9.6	1.9	7.7	254.5	190.6	63.9	44.0	19.9	C	60	40	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-005-06	11.7	11.2	1.6	9.6	246.4	178.2	68.2	47.6	20.6	C	60	40	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-005-07	10.9	10.4	1.9	8.5	278.3	208.1	70.2	43.9	26.3	C	70	30	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-005-08	9.3	8.8	1.7	7.1	281.8	239.0	42.8	23.1	19.7	C	60	40	0	0	U	+	-	-	N	GB	GB	TILL
CCO-12-005-09	8.3	7.8	2.6	5.2	140.3	117.5	22.8	13.6	9.2	C	80	20	0	0	U	+	-	-	N	GB	GB	TILL
CCO-12-005-10	13.3	12.8	3.6	9.2	138.4	94.6	43.8	24.0	19.8	C	80	20	0	0	U	+	-	-	N	GB	GB	TILL
CCO-12-006-01	6.3	5.8	0.9	4.9	155.3	119.6	35.7	21.1	14.6	C	70	30	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-006-02	11.7	11.2	1.4	9.8	272.6	201.1	71.5	37.7	33.8	C	60	40	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-006-03	11.2	10.7	1.5	9.2	280.9	233.7	47.2	28.1	19.1	C	70	30	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-006-04	10.1	9.6	1.7	7.9	214.2	160.8	53.4	32.8	20.6	C	60	40	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-006-05	10.1	9.6	1.7	7.9	357.5	319.6	37.9	24.7	13.2	C	70	30	0	0	U	+	Y	-	N	GB	GB	TILL

CCO-12-006-06	12.2	11.7	2.7	9.0	283.4	237.2	46.2	29.2	17.0	C	80	20	0	0	U	+	Y	-	N	GB	GB	TILL	
CCO-12-007-01	9.9	9.4	0.2	9.2	383.7	348.9	34.8	24.0	10.8	C	60	40	0	0	U	+	Y	-	N	LOC	LOC	TILL	
CCO-12-007-02	9.0	8.5	0.8	7.7	199.5	151.4	48.1	30.3	17.8	C	70	30	0	0	U	+	Y	-	N	GB	GB	TILL	
CCO-12-008-01	9.3	8.8	0.1	8.7	319.5	252.6	66.9	41.2	25.7	P	60	40	0	0	S	FM	-	N	N	LOC	NA	SAND	
CCO-12-009-01	9.7	9.2	0.8	8.4	71.2	34.5	36.7	21.7	15.0	C	70	30	0	0	U	+	Y	-	N	BE	BE	TILL	
CCO-12-010-01	7.3	6.8	3.5	3.3	280.0	269.8	10.2	4.5	5.7	C	80	20	0	0	U	+	-	-	N	GG	GG	TILL	
CCO-12-011-01	7.3	6.8	1.7	5.1	168.7	151.9	16.8	12.7	4.1	C	60	40	0	0	U	+	Y	-	N	GB	GB	TILL	
CCO-12-012-01	7.6	7.1	1.5	5.6	232.1	202.6	29.5	19.6	9.9	C	70	30	0	0	U	+	-	-	N	LOC	LOC	TILL	
CCO-12-013-01	9.2	8.7	0.5	8.2	276.5	229.0	47.5	31.6	15.9	C	80	20	0	0	U	+	Y	-	N	GB	GB	TILL	
CCO-12-014-01	4.6	4.1	1.1	3.0	152.9	139.9	13.0	7.2	5.8	C	70	30	0	0	U	+	Y	-	N	LOC	LOC	TILL	
CCO-12-015-01	7.3	6.8	1.6	5.2	214.3	186.6	27.7	19.3	8.4	C	90	10	0	0	U	+	Y	-	N	GB	GB	TILL	
CCO-12-016-01	9.0	8.5	1.5	7.0	233.0	172.7	60.3	42.2	18.1	C	80	20	0	0	U	+	Y	-	N	LOC	LOC	TILL	
CCO-12-016-02	5.9	5.4	2.0	3.4	172.7	164.3	8.4	4.1	4.3	C	80	20	0	0	U	+	-	-	N	GG	GG	TILL	
CCO-12-017-01	7.0	6.5	1.8	4.7	160.7	134.3	26.4	15.9	10.5	C	80	20	0	0	U	+	Y	-	N	GB	GB	TILL	
CCO-12-018-01	10.6	10.1	0.6	9.5	482.1	272.0	210.1	119.5	90.6	P	80	20	0	0	S	FM	Y	N	N	LOC	NA	SAND	
CCO-12-018-02	12.2	11.7	2.1	9.6	259.8	140.4	119.4	62.5	56.9	C	80	20	0	0	U	+	Y	-	N	GB	GB	TILL	
CCO-12-018-03	9.5	9.0	1.7	7.3	199.9	172.4	27.5	15.5	12.0	C	80	20	0	0	U	+	-	-	N	GB	GB	TILL	
CCO-12-018-04	9.8	9.3	1.9	7.4	337.7	306.9	30.8	16.7	14.1	C	80	20	0	0	U	+	-	-	N	GB	GB	NDY TILL	
CCO-12-018-05	8.0	7.5	1.7	5.8	240.8	222.0	18.8	11.8	7.0	C	80	20	0	0	U	+	-	-	N	GB	GB	NDY TILL	
CCO-12-018-06	11.8	11.3	1.9	9.4	212.7	166.5	46.2	25.9	20.3	C	80	20	0	0	U	+	-	-	N	GB	GB	NDY TILL	
CCO-12-019-01	9.2	8.7	2.0	6.7	151.0	127.4	23.6	12.1	11.5	C	80	20	0	0	U	+	-	-	N	BE	BE	NDY TILL	
CCO-12-019-02	11.1	10.6	1.5	9.1	310.3	273.4	36.9	19.3	17.6	C	80	20	0	0	U	+	-	-	N	GB	GB	NDY TILL	
CCO-12-019-03	10.7	10.2	1.3	8.9	188.1	156.3	31.8	19.0	12.8	C	80	20	0	0	U	+	-	-	N	GB	GB	NDY TILL	
CCO-12-019-04	5.5	5.0	1.2	3.8	188.6	180.1	8.5	4.4	4.1	C	80	20	0	0	U	+	Y	-	N	GB	GB	TILL	
CCO-12-020-01	8.4	7.9	0.0	7.9	292.7	237.2	55.5	39.2	16.3	No Clasts					S	FM	-	N	N	LOC	NA	SAND	
CCO-12-020-02	12.2	11.7	0.2	11.5	342.9	248.7	94.2	63.7	30.5	G	60	40	0	0	S	FM	+	N	N	LOC	NA	ND + SILT	
CCO-12-020-03	12.2	11.7	1.3	10.4	292.1	201.6	90.5	58.3	32.2	C	80	20	0	0	U	+	Y	-	N	GB	GB	TILL	
CCO-12-020-04	11.7	11.2	2.3	8.9	95.3	50.3	45.0	31.7	13.3	C	80	20	0	0	U	+	Y	-	N	GB	GB	TILL	
CCO-12-020-05	12.6	12.1	1.3	10.8	358.7	277.5	81.2	59.3	21.9	C	70	30	0	0	U	+	Y	-	N	GB	GB	TILL	
CCO-12-021-01	11.8	11.3	0.3	11.0	205.6	137.0	68.6	38.8	29.8	C	60	40	0	0	U	+	Y	-	N	LOC	LOC	TILL	
CCO-12-021-02	10.9	10.4	1.1	9.3	557.2	453.7	103.5	51.6	51.9	C	80	20	0	0	U	+	Y	-	N	GB	GB	TILL	
CCO-12-021-03	10.6	10.1	1.1	9.0	205.7	149.2	56.5	30.8	25.7	C	70	30	0	0	U	+	Y	-	N	GB	GB	TILL	
CCO-12-022-01	3.9	3.4	1.2	2.2	96.5	82.1	14.4	7.3	7.1	C	80	20	0	0	U	+	Y	-	N	GB	GB	TILL	
CCO-12-023-01	12.5	12.0	2.4	9.6	263.2	203.5	59.7	32.0	27.7	C	80	20	0	0	U	+	-	N	N	GB	GB	NDY TILL	

CCO-12-024-01	9.9	9.4	0.9	8.5	283.4	222.0	61.4	38.4	23.0	C	80	20	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-025-01	8.5	8.0	8.5	-0.5	139.7	104.1	35.6	21.5	14.1	C	80	20	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-026-01	9.6	9.1	0.6	8.5	236.3	185.0	51.3	33.3	18.0	C	80	20	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-027-01	2.1	1.6	0.1	1.5	70.0	68.9	1.1	0.9	0.2	C	80	20	0	0	U	+	-	-	N	GN	GN	+ BEDROCK
CCO-12-028-01	4.9	4.4	1.3	3.1	236.1	223.3	12.8	5.3	7.5	C	80	20	0	0	U	+	-	-	N	LOC	LOC	NDY TILL
CCO-12-029-01	8.4	7.9	1.7	6.2	176.5	147.1	29.4	15.7	13.7	C	20	80	0	0	U	+	Y	-	N	LOC	LOC	TILL
CCO-12-030-01	8.4	7.9	1.4	6.5	226.5	192.0	34.5	19.2	15.3	C	60	40	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-030-02	10.8	10.3	1.5	8.8	296.3	242.3	54.0	29.2	24.8	C	70	30	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-030-03	10.6	10.1	1.1	9.0	194.9	141.6	53.3	29.2	24.1	C	70	30	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-031-01	4.0	3.5	1.2	2.3	98.3	88.3	10.0	6.8	3.2	C	90	10	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-032-01	10.9	10.4	0.0	10.4	442.0	402.1	39.9	23.7	16.2	No Clasts					S	M	-	N	N	LOC	NA	SAND
CCO-12-032-02	11.2	10.7	0.3	10.4	377.3	325.6	51.7	30.2	21.5	G	70	30	0	0	S	MC	-	N	N	LOC	NA	D + GRAVEL
CCO-12-032-03	8.8	8.3	0.8	7.5	258.7	231.3	27.4	17.0	10.4	G	50	50	0	0	S	MC	-	N	N	LOC	NA	D + GRAVEL
CCO-12-033-01	10.8	10.3	0.0	10.3	104.2	52.2	52.0	33.4	18.6	No Clasts					S	FM	-	N	N	LOC	NA	SAND
CCO-12-034-01	11.3	10.8	1.3	9.5	180.1	144.8	35.3	22.0	13.3	C	70	30	0	0	U	Y	Y	Y	N	GB	GB	TILL
CCO-12-034-02	5.4	4.9	1.1	3.8	184.4	177.3	7.1	3.4	3.7	C	70	30	0	0	U	+	-	-	N	GB	GB	NDY TILL
CCO-12-035-01	10.3	9.8	1.7	8.1	168.1	118.0	50.1	32.4	17.7	C	80	20	0	0	U	+	Y	-	N	GB	GB	TILL
CCO-12-035-02	5.1	4.6	1.6	3.0	269.2	258.1	11.1	6.7	4.4	C	50	50	0	0	U	+	Y	-	N	GB	GB	TILL

OVERBURDEN DRILLING MANAGEMENT LIMITED
107-15 CAPELLA COURT, NEPEAN, ONTARIO, K2E 7X1
TELEPHONE: (613) 226-1771
FAX NO.: (613) 226-8753
EMAIL: odm@storm.ca

D A T A T R A N S M I T T A L R E P O R T

DATE: 41772.54

ATTENTION: **Mr. Nick Walker**

CLIENT: **Coventry Rainy Inc.**
1 Yonge Street, Suite 1801
Toronto, Ontario,
M5E 1W7

E-MAIL: **nwalker@chalicegold.com**

NO. OF PAGES: _____

PROJECT: **Cameron Lake**

FILE NAME: **20146604 - CoventryRainy - Walker - Cameron Lake - May 2014**

SAMPLE NUMBERS: **CCO-038-001, 039-001, 040-001, 041-001, 042-002, 044-001, 048-001, 048-002, 049-001, 050-001, 053-002, 054-002, 058-001, 059-001, 061-002, 062-002, 063-002, 064-001, 067-002, 070-001, 071-004, 072-002, 073-003, 074-001, 075-001 and 076-002**

BATCH NUMBER **6604**

TOTAL SAMPLES **26**

THESE SAMPLES WERE PROCESSED **GOLD GRAIN COUNT**

SPECIFICATIONS:

1. Submitted by client: ±10 kg till samples obtained by reverse circulation drilling.
2. Most clast cuttings removed in the field.
3. One ±500 g archival split taken and sieved to 0.063 mm.
4. All samples panned for gold and metallic minerals.
5. Heavy liquid separation specific gravity: 3.3.

REMARKS:

<0.063 mm clay + silt fraction forwarded to ActlLabs for analysis.

Remy Huneault, P.Geo.
President

OVERBURDEN DRILLING MANAGEMENT LIMITED

GOLD GRAIN SUMMARY

Filename: 20146604 - CoventryRainy - Walker - Cameron Lake - May 2014
Total Number of Samples in this Report = 26
Batch Number: 6604
***** Error in Sample Number, CRO-XXX-XXX is CCO-XXX-XXX**

Sample Number	Number of Visible Gold Grains				Nonmag HMC Weight (g) *	Calculated PPB Visible Gold in HMC			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
CRO-038-001	9	8	0	1	31.6	86	74	0	12
CRO-039-001	22	12	9	1	37.6	136	89	37	10
CRO-040-001	10	7	1	2	20.8	48	38	9	1
CRO-041-001	2	1	1	0	35.2	29	18	11	0
CRO-042-002	9	8	1	0	28.8	43	41	3	0
CRO-044-001	3	2	0	1	9.2	24	24	0	1
CRO-048-001	1	1	0	0	11.6	87	87	0	0
CRO-048-002	5	4	0	1	30.8	31	30	0	1
CRO-049-001	4	3	1	0	15.6	95	30	65	0
CRO-050-001	8	6	1	1	26.0	97	58	39	<1
CRO-053-002	5	1	3	1	34.4	67	<1	23	44
CRO-054-002	7	5	0	2	30.0	36	29	0	7
CRO-058-001	3	1	0	2	12.0	23	16	0	7
CRO-059-001	4	3	1	0	22.0	15	6	9	0
CRO-061-002	3	0	1	2	41.6	5	0	2	3
CRO-062-002	6	5	0	1	37.6	46	46	0	<1
CRO-063-002	6	3	3	0	32.0	58	23	35	0
CRO-064-001	8	4	3	1	28.0	94	64	8	23
CRO-067-002	10	8	1	1	39.2	160	159	<1	1
CRO-070-001	8	8	0	0	31.6	2737	2737	0	0
CRO-071-004	10	5	3	2	39.2	35	8	12	14
CRO-072-002	7	1	0	6	21.2	125	100	0	25
CRO-073-003	3	1	1	1	24.0	89	88	1	<1
CRO-074-001	2	2	0	0	14.4	7	7	0	0
CRO-075-001	19	0	5	14	41.6	194	0	16	178
CRO-076-002	9	2	3	4	39.2	884	651	33	200

*Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

OVERBURDEN DRILLING MANAGEMENT LIMITED
DETAILED GOLD GRAIN DATA

Filename: 20146604 - CoventryRainy - Walker - Cameron Lake - May 2014
Total Number of Samples in this Report = 26
Batch Number: 6604
***** Error in Sample Number, CRO-XXX-XXX is CCO-XXX-XXX**

Sample Number	Panned Yes/No	Dimensions (microns) Thickness	Width	Length	Number of Visible Gold Grains Reshaped	Modified	Pristine	Total	Nonmag HMC Weight (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
CRO-038-001	Yes	5 C	25	25	1			1			~1000 grains pyrite (25-500µm).
		8 C	25	50	2			2			SEM checks: 3 of ~200 chalcopyrite
		10 C	25	75	1			1			versus bornite candidates = 3 bornite
		10 C	50	50	1			1			(50-150µm).
		13 C	50	75	2		1	3			
		18 C	75	100	1			1			
								9	31.6	86	
CRO-039-001	Yes	5 C	25	25	1			1			~2000 grains pyrite (25-500µm).
		8 C	25	50	2	3		5			
		10 C	25	75	1	2		3			
		10 C	50	50	3	4		7			
		13 C	50	75	3		1	4			
		15 C	75	75	2			2			
								22	37.6	136	
CRO-040-001	Yes	3 C	15	15	3		2	5			~100 grains native copper (25-300µm).
		5 C	25	25	1			1			1 grain arsenopyrite (750µm).
		10 C	50	50	2	1		3			1% pyrite (25-100µm).
		13 C	50	75	1			1			
								10	20.8	48	
CRO-041-001	Yes	13 C	50	75		1		1			~50 grains arsenopyrite (50-300µm).
		15 C	50	100	1			1			5% pyrite (25-200µm).
								2	35.2	29	
CRO-042-002	Yes	3 C	15	15	2			2			~20 grains arsenopyrite (50-100µm).
		8 C	25	50	4	1		5			5% pyrite (25-1000µm).

		10	C	50	50	1			1			
		15	C	75	75	1			1			
									9	28.8	43	
CRO-044-001	Yes	3	C	15	15			1	1			~50 grains pyrite (50-100µm).
		5	C	25	25	1			1			
		10	C	50	50	1			1			
									3	9.2	24	
CRO-048-001	Yes	18	C	75	100	1			1			~500 grains pyrite (25-500µm).
									1	11.6	87	
CRO-048-002	Yes	5	C	25	25	1		1	2			2% pyrite (25-100µm).
		8	C	25	50	1			1			
		10	C	50	50	1			1			
		15	C	75	75	1			1			
									5	30.8	31	
CRO-049-001	Yes	8	C	25	50	1			1			~500 grains pyrite (25-1000µm).
		10	C	50	50	2			2			
		18	C	50	125		1		1			
									4	15.6	95	
CRO-050-001	Yes	3	C	15	15			1	1			~200 grains pyrite (25-500µm).
		5	C	25	25	2			2			
		8	C	25	50	1			1			
		13	C	50	75	2			2			
		15	C	75	75	1			1			
		18	C	75	100		1		1			
									8	26.0	97	
CRO-053-002	Yes	3	C	15	15	1			1			2 grains native copper (50µm).
		8	C	25	50		2		2			~50 grains arsenopyrite (50-500µm).
		15	C	50	100		1		1			2% pyrite (25-1000µm).
		20	C	75	125			1	1			
									5	34.4	67	
CRO-054-002	Yes	3	C	15	15			1	1			~10 grains arsenopyrite (50-150µm).
		5	C	25	25	2			2			5% pyrite (25-500µm).
		8	C	25	50	1			1			
		10	C	50	50			1	1			

		13	C	50	75	2			2			
									7	30.0	36	
CRO-058-001	Yes	3	C	15	15			1	1			1 grain arsenopyrite (100µm).
		8	C	25	50			1	1			~50 grains pyrite (25-150µm).
		10	C	50	50	1			1			
									3	12.0	23	
CRO-059-001	Yes	5	C	25	25	2			2			~50 grains pyrite (25-150µm).
		8	C	25	50	1			1			
		10	C	50	50		1		1			
									4	22.0	15	
CRO-061-002	Yes	5	C	25	25			1	1			~50 grains pyrite (25-150µm).
		8	C	25	50		1	1	2			SEM check: 1 scheelite candidate =
									3	41.6	5	1 scheelite (300µm).
CRO-062-002	Yes	3	C	15	15			1	1			~10 grains scheelite (75-300µm).
		8	C	25	50	2			2			~100 grains arsenopyrite (50-500µm).
		10	C	50	50	1			1			2% pyrite (25-1000µm).
		13	C	50	75	1			1			
		18	C	75	100	1			1			
									6	37.6	46	
CRO-063-002	Yes	5	C	25	25	1	1		2			~500 grains pyrite (25-1000µm).
		8	C	25	50	1	1		2			
		15	C	75	75	1			1			
		18	C	75	100		1		1			
									6	32.0	58	
CRO-064-001	Yes	3	C	15	15	1	1		2			1% pyrite (25-1000µm).
		5	C	25	25		1		1			
		8	C	25	50	1			1			
		10	C	50	50	1	1		2			
		15	C	75	75			1	1			
		20	C	75	125	1			1			
									8	28.0	94	
CRO-067-002	Yes	3	C	15	15		1		1			~200 grains pyrite (25-200µm).
		5	C	25	25			1	1			
		8	C	25	50	2			2			

		10	C	50	50	4			4			
		13	C	50	75	1			1			
		29	C	125	175	1			1			
									10	39.2	160	
CRO-070-001	Yes	5	C	25	25	1			1			~200 grains pyrite (25-200µm).
		8	C	25	50	3			3			
		10	C	25	75	1			1			
		15	C	50	100	1			1			
		18	C	75	100	1			1			
		125	M	250	350	1			1			
									8	31.6	2737	
CRO-071-004	Yes	3	C	15	15	1			1			~200 grains pyrite (25-200µm).
		5	C	25	25	2	1		3			
		8	C	25	50	1	1		2			
		10	C	25	75			1	1			
		10	C	50	50	1			1			
		13	C	50	75		1	1	2			
									10	39.2	35	
CRO-072-002	Yes	3	C	15	15			1	1			~500 grains pyrite (25-200µm).
		5	C	25	25			3	3			
		8	C	25	50			1	1			
		13	C	50	75			1	1			
		22	C	75	150	1			1			
									7	21.2	125	
CRO-073-003	Yes	3	C	15	15			1	1			5% pyrite (25-1000µm).
		5	C	25	25		1		1			
		22	C	75	150	1			1			
									3	24.0	90	
CRO-074-001	Yes	5	C	25	25	1			1			~1000 grains pyrite (25-500µm).
		8	C	25	50	1			1			
									2	14.4	7	
CRO-075-001	Yes	5	C	25	25		1	2	3			4 grains galena (50-75µm).
		8	C	25	50		1	1	2			~200 grains pyrite (25-1000µm).
		10	C	25	75		1	1	2			
		10	C	50	50		2	4	6			

		15	C	75	75				2	2			
		18	C	75	100				2	2			
		20	C	100	100				2	2			
										19	41.6	194	
CRO-076-002	Yes	3	C	15	15				1	1			~2000 grains pyrite (25-1000µm).
		27	C	25	250	1			2	3			
		8	C	25	50		1			1			
		10	C	50	50		1		1	2			
		18	C	75	100		1			1			
		46	C	250	250	1				1			
										9	39.2	884	
0	Yes	0	C							0			No sulphides.
		0	C							0			
		0	C							0			
		0	C							0			
		0	C							0			
		0	C							0			
		0	C							0			
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										0	0.0	#VALUE!	
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		0	C							0			
										0	0.0	#VALUE!	
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		0	C							0			
										0	0.0	#VALUE!	

OVERBURDEN DRILLING MANAGEMENT LIMITED
RAW SAMPLE DESCRIPTIONS AND PROCESSING WEIGHTS

Filename: 20146604 - CoventryRainy - Walker - Cameron Lake - May 2014
Total Number of Samples in this Report = 26
Batch Number: 6604

	Weight (kg wet)					Sample Description												
						Clasts (> 2.0 mm)					Matrix (<2.0 mm)							
							Percentage				Distribution					Colour		
Sample Number	Bulk Rec'd	Archived	Table Split	+2.0 mm Clasts	Table Feed	Size	V/S	GR	LS	OT	S/U	SD	ST	CY	ORG	SD	CY	CLASS
CRO-038-001	10.0	0.5	9.5	1.6	7.9	C	90	10	0	0	U	+	Y	-	N	LOC	LOC	TILL
CRO-039-001	11.2	0.5	10.7	1.3	9.4	C	90	10	0	0	U	+	Y	-	N	LOC	LOC	TILL
CRO-040-001	6.7	0.5	6.2	1.0	5.2	C	100	0	0	0	U	+	Y	-	N	GB	GB	TILL
CRO-041-001	10.1	0.5	9.6	0.8	8.8	C	80	20	0	0	S	MC	-	N	N	LOC	NA	ND + GRAVEL
CRO-042-002	9.7	0.5	9.2	2.0	7.2	C	70	30	0	0	U	+	Y	-	N	OC	OC	TILL
CRO-044-001	3.1	0.5	2.6	0.3	2.3	C	100	0	0	0	U	+	-	N	N	GN	NA	L + BEDROCK
CRO-048-001	4.7	0.5	4.2	1.3	2.9	C	100	Tr	0	0	U	+	-	N	N	GG	NA	L + BEDROCK
CRO-048-002	9.9	0.5	9.4	1.7	7.7	C	80	20	0	0	U	+	Y	-	N	LOC	GB	TILL
CRO-049-001	6.4	0.5	5.9	2.0	3.9	C	90	10	0	0	U	+	Y	-	N	LOC	LOC	TILL
CRO-050-001	8.8	0.5	8.3	1.8	6.5	C	90	10	0	0	U	+	Y	-	N	OC	OC	TILL
CRO-053-002	11.3	0.5	10.8	2.2	8.6	C	70	30	0	0	S	MC	N	N	N	LOC	NA	ND + GRAVEL
CRO-054-002	9.4	0.5	8.9	1.4	7.5	C	60	40	0	0	U	+	Y	-	N	LOC	LOC	TILL
CRO-058-001	4.1	0.5	3.6	0.6	3.0	C	70	30	0	0	U	+	Y	-	N	LOC	LOC	TILL
CRO-059-001	8.1	0.5	7.6	2.1	5.5	C	70	30	0	0	U	+	Y	-	N	LOC	LOC	TILL
CRO-061-002	12.9	0.5	12.4	2.0	10.4	C	90	10	0	0	U	+	Y	-	N	LOC	GB	TILL
CRO-062-002	12.0	0.5	11.5	2.1	9.4	C	90	10	0	0	U	+	Y	-	N	GB	GB	TILL
CRO-063-002	10.9	0.5	10.4	2.4	8.0	C	70	30	0	0	U	+	Y	-	N	LOC	GB	TILL
CRO-064-001	8.6	0.5	8.1	1.1	7.0	C	80	20	0	0	U	+	Y	-	N	GB	GB	TILL
CRO-067-002	12.3	0.5	11.8	2.0	9.8	C	80	20	0	0	U	+	Y	-	N	LOC	LOC	TILL
CRO-070-001	10.0	0.5	9.5	1.6	7.9	C	40	60	0	0	U	+	Y	-	N	LOC	LOC	TILL
CRO-071-004	12.0	0.5	11.5	1.7	9.8	C	70	30	0	0	U	+	Y	-	N	LOC	LOC	TILL
CRO-072-002	7.6	0.5	7.1	1.8	5.3	C	70	30	0	0	U	+	-	-	N	LOC	LOC	TILL
CRO-073-003	8.1	0.5	7.6	1.6	6.0	C	80	20	0	0	U	+	Y	-	N	LOC	LOC	TILL
CRO-074-001	5.4	0.5	4.9	1.3	3.6	G	80	20	0	0	S	MC	-	N	N	LOC	NA	ND + GRAVEL
CRO-075-001	12.4	0.5	11.9	1.5	10.4	G	70	30	0	0	S	MC	-	N	N	LOC	NA	ND + GRAVEL
CRO-076-002	12.2	0.5	11.7	1.9	9.8	P	90	10	0	0	U	+	Y	-	N	LOC	LOC	TILL

Appendix IV: HMC Analysis

Quality Analysis ... *Innovative Technologies*

Date Submitted: 19-Jul-12
Invoice No.: A12-07742
Invoice Date: 07-Aug-12
Your Reference: Rainy River

Coventry Resources Ontario, Inc
15 Toronto Street
Suite 600
Toronto On M5C 2E3
Canada

ATTN: Tony Goddard

CERTIFICATE OF ANALYSIS

75 Pulp samples were submitted for analysis.

The following analytical packages were requested: Code 3A-Large HMC INAA(INAAGEO)
Code 3C Aqua Regia ICP(AQUAGEO)

REPORT **A12-07742**

Notes:
Unaltered silicates and resistate minerals may not be dissolved. Values which exceed upper limit should be assayed.

Footnote: 27-01 DOES NOT HAVE AN ICP SPLIT.

CERTIFIED BY :

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th	U
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Detection Limit	5	5	2	200	5	1	5	10	2	0.02	1	5	50	20	0.05	200	50	0.2	0.1	20	0.2	1	0.5	0.5
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
CCO-12-001-01	< 5	< 5	< 2	< 200	< 5	< 1	65	220	< 2	19.7	20	< 5	< 50	< 20	0.19	< 200	< 50	0.9	79.8	< 20	< 0.2	6	54.7	10.4
CCO-12-001-02	< 5	< 5	22	< 200	< 5	< 1	142	250	< 2	24.4	41	< 5	< 50	< 20	0.24	< 200	< 50	1.2	81.9	< 20	< 0.2	16	86.8	13.0
CCO-12-002-01	415	< 5	49	< 200	< 5	6	151	240	< 2	18.8	69	< 5	< 50	< 20	0.20	< 200	< 50	1.4	62.9	< 20	< 0.2	< 1	86.8	16.7
CCO-12-003-01	68	< 5	< 2	< 200	< 5	< 1	103	200	< 2	20.1	95	< 5	< 50	< 20	0.27	< 200	< 50	< 0.2	59.6	< 20	< 0.2	< 1	122	21.5
CCO-12-004-01	394	< 5	23	< 200	< 5	11	116	210	< 2	23.4	43	< 5	< 50	< 20	0.21	< 200	< 50	< 0.2	82.6	< 20	< 0.2	8	88.2	15.2
CCO-12-004-02	584	< 5	21	< 200	< 5	< 1	125	210	< 2	20.7	40	< 5	< 50	< 20	0.14	< 200	< 50	< 0.2	72.8	< 20	< 0.2	6	106	17.2
CCO-12-004-03	91	< 5	17	< 200	< 5	< 1	148	190	< 2	20.2	76	< 5	< 50	< 20	0.15	< 200	< 50	< 0.2	71.4	< 20	< 0.2	6	158	24.3
CCO-12-004-04	832	< 5	74	900	< 5	< 1	207	230	< 2	21.1	74	< 5	< 50	< 20	0.18	< 200	< 50	1.6	61.7	< 20	< 0.2	8	160	33.8
CCO-12-005-01	338	< 5	< 2	< 200	< 5	< 1	78	210	< 2	20.0	76	< 5	< 50	< 20	0.21	< 200	< 50	0.8	74.2	< 20	< 0.2	6	120	20.8
CCO-12-005-02	100	< 5	< 2	< 200	< 5	< 1	163	210	< 2	20.9	72	< 5	< 50	< 20	0.25	< 200	< 50	1.0	71.4	< 20	< 0.2	10	113	20.4
CCO-12-005-03	232	< 5	21	< 200	< 5	< 1	205	230	< 2	23.7	225	< 5	< 50	< 20	0.29	< 200	< 50	< 0.2	65.7	< 20	< 0.2	< 1	120	24.7
CCO-12-005-04	1800	< 5	25	< 200	< 5	< 1	151	220	< 2	18.8	54	< 5	< 50	< 20	0.20	< 200	< 50	< 0.2	63.2	< 20	< 0.2	< 1	84.7	14.2
CCO-12-005-05	313	< 5	79	< 200	< 5	8	247	210	< 2	21.1	56	< 5	< 50	< 20	0.21	< 200	< 50	< 0.2	60.2	< 20	< 0.2	< 1	77.1	15.6
CCO-12-005-06	191	< 5	87	< 200	< 5	< 1	188	210	< 2	18.8	63	< 5	< 50	< 20	0.22	< 200	< 50	0.5	60.0	< 20	0.2	< 1	85.1	20.1
CCO-12-005-07	558	< 5	133	< 200	< 5	< 1	348	180	< 2	23.6	56	< 5	< 50	< 20	0.19	< 200	< 50	1.5	60.9	< 20	< 0.2	< 1	105	17.4
CCO-12-005-08	226	< 5	80	< 200	< 5	6	367	250	< 2	24.9	72	< 5	< 50	< 20	0.23	< 200	< 50	2.4	53.8	< 20	< 0.2	< 1	99.8	18.1
CCO-12-005-09	188	< 5	128	1100	< 5	< 1	349	250	< 2	23.3	63	< 5	< 50	< 20	0.23	< 200	< 50	< 0.2	60.4	< 20	< 0.2	10	105	19.8
CCO-12-005-10	131	< 5	103	< 200	< 5	< 1	365	160	< 2	25.1	60	< 5	< 50	< 20	0.24	< 200	< 50	< 0.2	95.1	< 20	< 0.2	< 1	112	18.4
CCO-12-006-01	898	< 5	20	< 200	< 5	12	174	280	< 2	22.6	133	< 5	< 50	< 20	0.29	< 200	< 50	< 0.2	78.4	< 20	< 0.2	< 1	208	38.6
CCO-12-006-02	223	24	17	< 200	< 5	< 1	140	220	< 2	18.6	113	< 5	< 50	< 20	0.21	< 200	< 50	1.0	64.5	< 20	< 0.2	17	172	32.2
CCO-12-006-03	264	< 5	14	< 200	< 5	10	159	280	< 2	20.8	153	< 5	< 50	< 20	0.17	< 200	< 50	< 0.2	74.4	< 20	< 0.2	< 1	212	38.1
CCO-12-006-04	235	< 5	15	700	< 5	13	117	270	< 2	20.4	90	< 5	< 50	< 20	0.25	< 200	< 50	< 0.2	71.0	< 20	< 0.2	8	127	27.7
CCO-12-006-05	51	< 5	28	< 200	< 5	< 1	146	270	< 2	23.4	100	< 5	< 50	< 20	0.27	< 200	< 50	< 0.2	76.4	< 20	< 0.2	10	122	21.2
CCO-12-006-06	377	< 5	42	< 200	< 5	< 1	173	250	< 2	22.6	103	< 5	< 50	< 20	0.21	< 200	< 50	1.7	70.3	< 20	< 0.2	12	104	18.5
CCO-12-007-01	732	< 5	< 2	< 200	< 5	< 1	89	280	< 2	24.6	86	< 5	< 50	< 20	0.18	< 200	< 50	< 0.2	95.4	< 20	< 0.2	14	196	39.0
CCO-12-007-02	238	< 5	81	< 200	< 5	7	228	260	< 2	24.4	77	< 5	< 50	< 20	0.19	< 200	< 50	1.6	80.0	< 20	< 0.2	< 1	132	28.7
CCO-12-008-01	191	< 5	< 2	< 200	< 5	6	82	290	< 2	19.5	132	< 5	< 50	< 20	0.28	< 200	< 50	< 0.2	60.9	< 20	< 0.2	10	155	28.9
CCO-12-009-01	173	< 5	< 2	< 200	< 5	< 1	51	300	< 2	22.0	236	< 5	< 50	< 20	0.22	< 200	< 50	< 0.2	71.0	< 20	< 0.2	15	285	56.5
CCO-12-010-01	675	< 5	211	< 200	< 5	< 1	564	250	< 2	30.5	43	< 5	< 50	< 20	0.34	< 200	< 50	2.4	93.8	< 20	< 0.2	< 1	107	< 0.5
CCO-12-011-01	196	< 5	146	< 200	< 5	< 1	753	180	< 2	26.1	91	< 5	< 50	< 20	0.27	< 200	< 50	3.0	58.6	< 20	< 0.2	< 1	133	27.3
CCO-12-012-01	< 5	< 5	31	< 200	< 5	< 1	190	220	< 2	20.5	58	< 5	< 50	< 20	0.19	< 200	< 50	< 0.2	63.3	< 20	< 0.2	10	133	26.9
CCO-12-013-01	38	< 5	17	< 200	< 5	< 1	63	180	< 2	31.6	65	< 5	< 50	< 20	0.13	< 200	< 50	2.0	59.1	< 20	< 0.2	6	115	23.7
CCO-12-014-01	742	< 5	20	< 200	< 5	< 1	155	290	< 2	22.2	150	< 5	< 50	< 20	0.29	< 200	< 50	< 0.2	72.0	< 20	< 0.2	18	223	49.1
CCO-12-015-01	333	< 5	26	< 200	< 5	< 1	122	210	< 2	16.1	87	< 5	< 50	< 20	0.20	< 200	< 50	3.2	61.1	< 20	< 0.2	< 1	113	20.8
CCO-12-016-01	176	< 5	11	< 200	< 5	< 1	129	200	< 2	19.6	76	< 5	< 50	< 20	0.19	< 200	< 50	< 0.2	64.6	< 20	< 0.2	< 1	137	28.4
CCO-12-016-02	167	< 5	64	< 200	< 5	< 1	440	360	< 2	29.1	89	< 5	< 50	< 20	0.37	< 200	< 50	< 0.2	76.2	< 20	< 0.2	17	163	35.7
CCO-12-017-01	726	< 5	69	< 200	< 5	< 1	179	300	< 2	24.8	80	< 5	< 50	< 20	0.20	< 200	< 50	1.6	60.9	< 20	< 0.2	11	137	25.3
CCO-12-018-01	118	< 5	7	< 200	< 5	< 1	79	240	< 2	19.5	44	< 5	< 50	< 20	0.12	< 200	< 50	< 0.2	64.5	< 20	< 0.2	9	112	22.6
CCO-12-018-02	84	< 5	21	< 200	< 5	< 1	166	190	< 2	19.8	50	< 5	< 50	< 20	0.15	< 200	< 50	< 0.2	60.8	< 20	< 0.2	7	118	22.7
CCO-12-018-03	219	< 5	51	1000	< 5	< 1	308	210	< 2	24.3	212	< 5	< 50	< 20	0.29	< 200	< 50	< 0.2	58.2	< 20	< 0.2	9	127	30.3
CCO-12-018-04	89	< 5	53	< 200	< 5	< 1	348	130	6	22.4	61	< 5	< 50	< 20	0.21	< 200	< 50	< 0.2	56.2	< 20	< 0.2	6	109	25.8
CCO-12-018-05	333	< 5	60	< 200	< 5	< 1	357	250	< 2	24.5	42	< 5	< 50	< 20	0.22	< 200	< 50	1.3	58.9	< 20	< 0.2	< 1	75.0	13.2
CCO-12-018-06	218	< 5	55	< 200	< 5	< 1	342	230	< 2	28.6	54	< 5	< 50	< 20	0.19	< 200	< 50	1.1	80.0	< 20	< 0.2	< 1	129	21.3
CCO-12-019-01	< 5	< 5	26	< 200	< 5	< 1	333	160	< 2	23.4	114	< 5	< 50	< 20	0.18	< 200	< 50	< 0.2	60.7	< 20	< 0.2	9	173	46.3
CCO-12-019-02	< 5	< 5	36	600	< 5	8	364	140	< 2	20.1	31	< 5	< 50	< 20	0.18	< 200	< 50	1.2	60.9	< 20	< 0.2	< 1	62.8	12.5
CCO-12-019-03	63	< 5	8	< 200	< 5	< 1	121	140	< 2	12.2	41	< 5	< 50	< 20	0.12	< 200	< 50	< 0.2	42.3	< 20	< 0.2	< 1	70.9	11.0
CCO-12-019-04	< 5	< 5	41	1700	< 5	< 1	443	330	< 2	33.8	61	< 5	< 50	< 20	0.31	< 200	< 50	< 0.2	93.8	< 20	< 0.2	< 1	147	30.3
CCO-12-020-01	69	< 5	< 2	< 200	< 5	15	39	260	< 2	17.8	133	< 5	< 50	< 20	0.31	< 200	< 50	1.1	70.3	< 20	< 0.2	< 1	177	42.3
CCO-12-020-02	197	< 5	< 2	< 200	< 5	< 1	45	190	< 2	16.0	68	< 5	< 50	< 20	0.17	< 200	< 50	< 0.2	64.1	< 20	< 0.2	9	112	21.4
CCO-12-020-03	88	< 5	20	< 200	< 5	< 1	89	190	< 2	17.2	74	< 5	< 50	< 20	0.15	< 200	< 50	< 0.2	59.3	< 20	< 0.2	5	107	21.6
CCO-12-020-04	93	< 5	20	1700	< 5	7	201	260	< 2	20.8	118	< 5	< 50	< 20	0.29	< 200	100	< 0.2	68.9	< 20	< 0.2	10	110	17.4
CCO-12-020-05	< 5	< 5	23	700	< 5	< 1	68	190	< 2	16.3	64	< 5	< 50	< 20	0.18	< 200	< 50	0.7	59.5	< 20	< 0.2	< 1	79.3	15.2

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Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th	U
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Detection Limit	5	5	2	200	5	1	5	10	2	0.02	1	5	50	20	0.05	200	50	0.2	0.1	20	0.2	1	0.5	0.5
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
CCO-12-021-01	170	< 5	< 2	< 200	< 5	< 1	68	180	< 2	17.3	111	< 5	< 50	< 20	0.21	< 200	< 50	< 0.2	60.2	< 20	< 0.2	< 1	153	30.1
CCO-12-021-02	215	< 5	19	< 200	< 5	< 1	179	160	< 2	19.0	43	< 5	< 50	< 20	0.20	< 200	< 50	< 0.2	59.5	< 20	< 0.2	< 1	107	15.7
CCO-12-021-03	1670	< 5	21	< 200	< 5	< 1	170	240	< 2	22.4	101	< 5	< 50	< 20	0.23	< 200	< 50	< 0.2	74.1	< 20	< 0.2	8	144	21.8
CCO-12-022-01	< 5	< 5	34	< 200	< 5	< 1	232	290	< 2	23.7	61	< 5	< 50	< 20	0.24	< 200	< 50	1.3	71.0	< 20	< 0.2	6	104	19.6
CCO-12-023-01	254	< 5	255	< 200	< 5	< 1	221	170	< 2	21.7	63	< 5	< 50	< 20	0.18	< 200	< 50	1.7	59.4	< 20	< 0.2	7	129	18.3
CCO-12-024-01	< 5	< 5	14	< 200	< 5	< 1	118	170	< 2	17.4	57	< 5	< 50	< 20	0.16	< 200	< 50	< 0.2	66.9	< 20	< 0.2	< 1	92.9	17.7
CCO-12-025-01	64	< 5	17	< 200	< 5	< 1	158	220	< 2	18.5	77	< 5	< 50	< 20	0.16	< 200	< 50	1.0	54.2	< 20	< 0.2	< 1	126	23.3
CCO-12-026-01	679	< 5	10	< 200	< 5	< 1	53	260	< 2	18.5	164	< 5	< 50	< 20	0.27	< 200	< 50	1.0	74.8	< 20	< 0.2	< 1	198	36.7
CCO-12-027-01	2330	< 5	149	< 200	< 5	25	369	170	< 2	25.4	178	< 5	< 50	20	0.34	< 200	< 50	7.0	68.1	< 20	< 0.2	< 1	292	34.6
CCO-12-028-01	1480	< 5	49	< 200	< 5	< 1	308	240	< 2	26.3	108	< 5	< 50	< 20	0.39	< 200	< 50	< 0.2	90.3	< 20	< 0.2	10	79.6	20.1
CCO-12-029-01	< 5	< 5	< 2	< 200	< 5	14	47	200	< 2	19.0	124	< 5	< 50	< 20	0.27	< 200	< 50	< 0.2	91.7	< 20	< 0.2	< 1	477	80.5
CCO-12-030-01	36	< 5	10	< 200	< 5	< 1	93	220	< 2	18.5	75	< 5	< 50	< 20	0.21	< 200	< 50	< 0.2	60.4	< 20	< 0.2	< 1	118	23.8
CCO-12-030-02	269	< 5	14	< 200	< 5	8	164	280	< 2	22.2	99	< 5	< 50	< 20	0.25	< 200	< 50	< 0.2	72.8	< 20	< 0.2	9	172	31.4
CCO-12-030-03	309	< 5	13	< 200	< 5	< 1	137	260	< 2	21.8	85	< 5	< 50	< 20	0.21	< 200	< 50	1.2	74.1	< 20	< 0.2	< 1	165	30.4
CCO-12-031-01	137	< 5	60	< 200	< 5	< 1	286	310	< 2	25.9	118	< 5	< 50	< 20	0.29	< 200	< 50	3.7	77.9	< 20	< 0.2	< 1	154	30.0
CCO-12-032-01	247	< 5	< 2	< 200	< 5	< 1	89	290	< 2	22.4	83	< 5	< 50	< 20	0.19	< 200	< 50	< 0.2	94.5	< 20	< 0.2	< 1	173	29.9
CCO-12-032-02	99	< 5	17	< 200	< 5	< 1	141	240	< 2	23.5	34	< 5	< 50	< 20	0.19	< 200	< 50	< 0.2	93.8	< 20	< 0.2	< 1	124	22.0
CCO-12-032-03	114	< 5	< 2	< 200	< 5	< 1	107	290	< 2	20.8	39	< 5	< 50	< 20	0.16	< 200	< 50	< 0.2	84.7	< 20	< 0.2	10	103	21.3
CCO-12-033-01	294	< 5	77	< 200	9	< 1	198	250	< 2	23.4	137	< 5	< 50	< 20	0.20	< 200	< 50	< 0.2	79.1	< 20	< 0.2	< 1	221	40.6
CCO-12-034-01	235	< 5	17	< 200	< 5	< 1	114	300	< 2	25.3	137	< 5	< 50	< 20	0.25	< 200	< 50	2.3	85.8	< 20	< 0.2	14	171	38.3
CCO-12-034-02	1060	< 5	103	< 200	< 5	< 1	298	230	< 2	22.2	80	< 5	< 50	< 20	0.27	< 200	< 50	< 0.2	62.0	< 20	< 0.2	< 1	95.2	24.0
CCO-12-035-01	186	< 5	109	< 200	< 5	< 1	243	220	< 2	23.9	89	< 5	< 50	< 20	0.25	< 200	< 50	< 0.2	71.0	< 20	< 0.2	< 1	152	27.1
CCO-12-035-02	7740	< 5	633	< 200	< 5	< 1	382	240	< 2	29.7	80	< 5	< 50	< 20	0.30	< 200	< 50	4.1	67.0	< 20	< 0.2	< 1	155	36.3

Analyte Symbol	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	4	200	1	3	10	0.1	0.2	2	0.2	0.05		0.2	0.5	1	2	2	1	2	1	0.01
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
CCO-12-001-01	< 4	< 200	123	216	50	20.3	2.7	< 2	9.4	1.67	31.5	< 0.2	< 0.5	42	447	< 2	18	19	20	0.02
CCO-12-001-02	8	< 200	212	350	90	32.2	4.3	5	11.3	2.23	22.6	< 0.2	< 0.5	520	560	2	39	28	35	0.08
CCO-12-002-01	< 4	< 200	235	365	110	33.6	5.4	< 2	10.1	1.82	36.2	0.6	< 0.5	316	556	< 2	80	22	34	4.03
CCO-12-003-01	14	200	337	511	150	42.5	7.2	5	11.8	2.09	24.2	< 0.2	< 0.5	125	516	< 2	28	21	24	0.51
CCO-12-004-01	< 4	< 200	224	379	130	33.4	3.7	4	11.6	2.03	23.6	< 0.2	< 0.5	85	521	< 2	30	16	24	0.34
CCO-12-004-02	8	< 200	213	340	90	30.9	3.4	< 2	10.6	1.92	34.1	< 0.2	< 0.5	105	533	< 2	52	42	30	0.16
CCO-12-004-03	< 4	< 200	321	519	130	45.9	4.6	< 2	12.7	1.63	31.0	< 0.2	< 0.5	110	630	< 2	35	28	26	0.14
CCO-12-004-04	< 4	< 200	337	501	150	43.0	4.6	5	12.0	2.16	34.3	0.5	0.7	364	371	< 2	88	24	41	4.66
CCO-12-005-01	< 4	< 200	245	383	120	36.3	4.4	< 2	11.7	2.21	34.1	< 0.2	< 0.5	104	461	< 2	31	20	57	0.03
CCO-12-005-02	< 4	< 200	216	375	90	34.0	3.6	5	11.3	2.14	27.2	0.3	< 0.5	343	640	< 2	71	14	30	0.38
CCO-12-005-03	< 4	< 200	308	546	140	36.0	5.7	< 2	21.3	3.24	8.10	0.2	0.7	166	560	3	62	22	32	0.49
CCO-12-005-04	< 4	< 200	236	361	110	32.0	4.6	< 2	9.3	1.09	44.6	< 0.2	1.0	146	475	< 2	63	26	49	1.03
CCO-12-005-05	< 4	< 200	224	352	90	31.0	4.4	4	8.6	1.79	38.7	0.5	< 0.5	301	558	< 2	97	20	54	4.31
CCO-12-005-06	< 4	< 200	252	374	110	33.1	4.3	< 2	8.8	1.70	42.1	0.5	0.5	295	446	< 2	87	21	80	2.88
CCO-12-005-07	< 4	< 200	263	397	110	34.5	4.0	< 2	9.9	1.88	38.6	0.7	0.7	403	530	3	117	22	64	7.00
CCO-12-005-08	< 4	< 200	191	349	90	29.3	4.0	< 2	9.2	1.96	18.1	0.7	0.5	1620	527	< 2	156	16	81	5.63
CCO-12-005-09	< 4	< 200	267	462	110	29.1	4.0	< 2	13.7	1.97	10.5	0.7	0.7	917	577	5	169	22	57	6.04
CCO-12-005-10	< 4	< 200	203	366	100	33.8	< 0.2	5	11.9	2.43	18.7	0.8	0.7	512	633	< 2	134	30	39	8.12
CCO-12-006-01	< 4	< 200	459	784	230	65.6	7.3	7	13.9	2.68	16.0	< 0.2	< 0.5	332	626	5	62	25	29	0.32
CCO-12-006-02	< 4	< 200	322	549	140	49.4	5.6	6	13.5	2.64	32.3	< 0.2	< 0.5	138	652	4	68	23	37	0.19
CCO-12-006-03	31	< 200	373	642	170	61.5	5.7	< 2	17.0	3.02	22.5	0.2	0.6	120	738	< 2	40	19	31	0.18
CCO-12-006-04	< 4	< 200	273	474	130	43.7	5.6	< 2	12.9	2.30	27.0	< 0.2	< 0.5	102	640	4	74	20	29	0.10
CCO-12-006-05	< 4	200	350	588	190	53.2	7.9	5	13.8	2.41	19.7	0.5	0.8	280	548	5	67	55	22	1.50
CCO-12-006-06	< 4	< 200	360	584	160	49.9	7.8	< 2	13.5	2.50	24.0	0.7	1.2	649	596	3	94	25	37	3.12
CCO-12-007-01	< 4	< 200	388	666	170	56.7	5.1	< 2	17.9	3.23	18.6	< 0.2	< 0.5	34	536	< 2	18	11	17	< 0.01
CCO-12-007-02	< 4	< 200	298	492	140	43.1	4.6	< 2	13.3	2.52	24.6	0.5	< 0.5	424	455	43	74	8	39	3.60
CCO-12-008-01	< 4	< 200	363	540	170	48.0	5.1	< 2	13.2	2.55	35.6	< 0.2	< 0.5	46	550	< 2	38	34	23	0.01
CCO-12-009-01	23	< 200	691	1190	360	99.9	9.4	13	19.4	3.87	16.4	< 0.2	0.5	58	465	< 2	21	28	19	0.05
CCO-12-010-01	< 4	< 200	213	360	120	23.4	< 0.2	< 2	9.8	1.43	3.40	1.6	< 0.5	355	539	3	113	19	29	3.09
CCO-12-011-01	< 4	< 200	349	602	160	38.6	5.4	< 2	13.3	2.02	9.70	1.5	< 0.5	1260	788	3	224	17	40	8.57
CCO-12-012-01	< 4	300	325	530	140	32.2	5.1	< 2	13.8	1.88	14.0	1.1	< 0.5	272	820	< 2	69	48	40	2.57
CCO-12-013-01	< 4	< 200	240	397	120	34.0	3.8	< 2	10.3	1.77	28.4	< 0.2	< 0.5	61	412	3	21	14	26	0.12
CCO-12-014-01	50	300	512	879	260	55.4	7.4	8	21.1	3.27	6.20	< 0.2	< 0.5	110	619	3	51	28	26	0.54
CCO-12-015-01	< 4	< 200	342	528	150	35.7	6.2	< 2	13.1	1.92	13.9	< 0.2	< 0.5	162	441	< 2	68	17	18	0.44
CCO-12-016-01	< 4	< 200	373	551	160	46.3	5.3	4	10.0	1.39	36.8	< 0.2	0.6	122	696	4	58	22	34	0.08
CCO-12-016-02	220	< 200	363	684	240	43.9	5.7	< 2	19.2	2.99	3.10	0.4	< 0.5	404	2680	18	122	22	56	0.81
CCO-12-017-01	47	< 200	373	592	170	36.7	5.2	5	13.4	1.87	10.9	0.4	0.8	218	936	< 2	106	35	45	1.95
CCO-12-018-01	< 4	< 200	272	395	90	28.6	3.1	3	10.1	1.94	57.4	< 0.2	< 0.5	49	609	< 2	34	33	25	0.05
CCO-12-018-02	19	< 200	257	360	100	28.3	3.4	4	9.8	1.82	57.3	0.2	< 0.5	177	682	4	45	24	31	0.64
CCO-12-018-03	71	< 200	247	446	120	29.3	4.3	4	20.9	3.28	10.4	0.4	1.2	368	877	< 2	108	49	74	0.69
CCO-12-018-04	59	300	232	394	110	27.3	4.0	< 2	11.6	1.65	11.6	0.6	< 0.5	338	1740	3	110	41	45	1.41
CCO-12-018-05	< 4	400	169	320	90	22.4	3.9	5	10.1	1.32	8.60	0.7	0.8	338	1510	2	119	43	61	1.06
CCO-12-018-06	12	< 200	301	509	140	42.0	4.4	< 2	12.9	2.21	20.6	0.4	0.7	335	977	< 2	133	43	52	0.31
CCO-12-019-01	< 4	< 200	349	603	170	42.9	5.1	< 2	17.1	2.79	9.00	0.4	< 0.5	295	4200	5	68	51	42	0.50
CCO-12-019-02	< 4	< 200	162	271	60	18.1	2.0	< 2	9.8	1.53	14.0	0.2	0.5	186	4190	3	70	21	44	0.25
CCO-12-019-03	< 4	200	181	283	80	19.4	2.8	< 2	8.4	1.15	13.8	< 0.2	0.7	132	2960	2	60	21	32	0.20
CCO-12-019-04	< 4	< 200	319	604	250	42.0	5.6	< 2	20.3	2.47	3.30	0.3	0.9	222	731	2	72	18	37	1.51
CCO-12-020-01	< 4	< 200	385	613	170	52.7	6.0	< 2	14.9	2.90	33.8	< 0.2	< 0.5	16	478	< 2	12	30	15	0.01
CCO-12-020-02	< 4	< 200	253	377	120	30.5	3.6	< 2	10.1	1.83	57.9	< 0.2	< 0.5	23	403	< 2	11	19	18	< 0.01
CCO-12-020-03	7	< 200	266	396	100	35.4	4.2	< 2	9.6	1.87	52.0	< 0.2	< 0.5	192	512	< 2	66	12	28	2.75
CCO-12-020-04	402	< 200	309	471	140	43.8	7.0	4	13.0	2.63	25.8	< 0.2	0.5	187	573	< 2	30	14	44	1.97
CCO-12-020-05	< 4	< 200	273	372	100	33.2	5.5	3	10.2	1.97	54.0	< 0.2	< 0.5	133	603	< 2	29	13	25	1.25

Analyte Symbol	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	4	200	1	3	10	0.1	0.2	2	0.2	0.05		0.2	0.5	1	2	2	1	2	1	0.01
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
CCO-12-021-01	< 4	< 200	325	528	150	48.4	4.9	< 2	11.4	2.13	32.9	< 0.2	< 0.5	58	565	< 2	28	30	21	0.05
CCO-12-021-02	< 4	< 200	209	322	70	30.5	3.1	4	8.6	1.63	46.2	< 0.2	0.7	184	693	3	87	32	49	0.09
CCO-12-021-03	9	300	319	525	180	48.3	5.7	< 2	13.7	2.69	25.8	< 0.2	< 0.5	253	568	< 2	56	24	34	0.31
CCO-12-022-01	< 4	500	267	474	150	32.6	4.9	< 2	15.0	2.18	6.30	0.4	0.8	468	703	< 2	83	31	35	3.45
CCO-12-023-01	23	< 200	249	416	130	37.5	3.4	< 2	10.3	2.05	27.0	0.5	0.5	293	917	< 2	85	25	32	2.48
CCO-12-024-01	< 4	300	202	324	80	30.4	3.4	< 2	9.8	1.15	33.4	< 0.2	< 0.5	119	555	3	40	23	24	0.26
CCO-12-025-01	< 4	< 200	385	586	140	35.8	5.2	< 2	13.4	1.99	16.5	< 0.2	< 0.5	212	460	3	35	33	27	1.02
CCO-12-026-01	< 4	< 200	434	702	200	65.7	7.3	7	16.8	3.44	28.3	< 0.2	< 0.5	41	534	< 2	26	31	19	0.14
CCO-12-027-01	< 4	< 200	599	984	370	117	10.3	< 2	17.7	3.14	0.900									
CCO-12-028-01	< 4	< 200	236	518	190	38.1	6.5	< 2	15.9	2.19	4.30	0.6	< 0.5	825	668	5	72	38	41	3.97
CCO-12-029-01	< 4	< 200	861	1440	370	113	7.3	< 2	24.1	3.53	10.7	< 0.2	< 0.5	57	613	14	21	79	25	0.25
CCO-12-030-01	< 4	< 200	294	473	130	30.0	5.2	< 2	12.1	1.99	14.2	< 0.2	< 0.5	111	601	6	35	26	21	0.28
CCO-12-030-02	11	< 200	402	650	170	57.5	7.2	< 2	13.7	2.44	24.2	< 0.2	< 0.5	99	704	4	57	32	20	1.05
CCO-12-030-03	28	< 200	387	599	170	54.7	6.2	< 2	12.0	2.29	24.2	< 0.2	0.7	101	606	2	49	34	37	0.66
CCO-12-031-01	< 4	< 200	466	744	230	47.1	10.0	< 2	19.6	2.92	5.80	0.5	< 0.5	1180	659	4	51	25	31	3.76
CCO-12-032-01	< 4	< 200	334	615	160	54.6	< 0.2	< 2	15.9	3.19	18.7	< 0.2	< 0.5	50	401	< 2	22	19	19	0.11
CCO-12-032-02	< 4	< 200	233	399	110	38.6	3.9	< 2	13.7	2.79	25.2	< 0.2	< 0.5	81	541	< 2	34	22	27	0.02
CCO-12-032-03	< 4	200	241	427	100	27.6	3.5	5	16.9	2.59	12.0	< 0.2	< 0.5	53	467	< 2	25	16	21	0.01
CCO-12-033-01	27	< 200	407	750	210	67.1	6.4	7	17.5	2.96	28.4	0.4	0.8	469	670	4	91	18	68	4.14
CCO-12-034-01	< 4	< 200	395	664	190	66.4	8.0	6	17.5	2.99	17.0	< 0.2	< 0.5	76	597	4	35	33	23	0.41
CCO-12-034-02	< 4	< 200	261	474	180	87.4	11.2	7	16.8	2.74	2.40	1.6	1.0	1710	450	< 2	104	31	74	5.05
CCO-12-035-01	< 4	200	354	563	180	53.2	5.5	7	11.9	2.55	27.3	0.5	1.1	448	548	< 2	118	24	115	4.93
CCO-12-035-02	58	400	361	660	190	40.3	7.8	< 2	16.5	2.24	5.70	0.7	1.4	658	484	< 2	142	25	186	6.58

Quality Control

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th	U
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Detection Limit	5	5	2	200	5	1	5	10	2	0.02	1	5	50	20	0.05	200	50	0.2	0.1	20	0.2	1	0.5	0.5
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GXR-1 Meas																								
GXR-1 Cert																								
GXR-1 Meas																								
GXR-1 Cert																								
GXR-1 Meas																								
GXR-1 Cert																								
GXR-4 Meas																								
GXR-4 Cert																								
GXR-4 Meas																								
GXR-4 Cert																								
GXR-4 Meas																								
GXR-4 Cert																								
GXR-6 Meas																								
GXR-6 Cert																								
GXR-6 Meas																								
GXR-6 Cert																								
GXR-6 Meas																								
GXR-6 Cert																								
DMMAS 113 Meas	1740		1630	1400			36	90		3.06					1.82				6.1					16.8
DMMAS 113 Cert	1665		1468	1519			36	75		2.86					1.82				5.8					15.6
DMMAS 113 Meas	1710		1600	1500			36	60		3.39					1.81				6.7					19.4
DMMAS 113 Cert	1665		1468	1519			36	75		2.86					1.82				5.8					15.6
DMMAS 113 Meas	1600		1530	1600			39	60		3.43					1.81				6.6					21.0
DMMAS 113 Cert	1665		1468	1519			36	75		2.86					1.82				5.8					15.6
CCO-12-011-01 Orig																								
CCO-12-011-01 Dup																								
CCO-12-018-06 Orig																								
CCO-12-018-06 Dup																								
CCO-12-023-01 Orig																								
CCO-12-023-01 Dup																								
CCO-12-035-01 Orig																								
CCO-12-035-01 Dup																								
Method Blank																								
Method Blank																								
Method Blank																								
Method Blank																								
Method Blank	< 5	< 5	< 2	< 200	< 5	< 1	< 5	< 10	< 2	< 0.02	< 1	< 5	< 50	< 20	< 0.05	< 200	< 50	< 0.2	< 0.1	< 20	< 0.2	< 1	< 0.5	< 0.5
Method Blank	< 5	< 5	< 2	< 200	< 5	< 1	< 5	< 10	< 2	< 0.02	< 1	< 5	< 50	< 20	< 0.05	< 200	< 50	< 0.2	< 0.1	< 20	< 0.2	< 1	< 0.5	< 0.5

Quality Control

Analyte Symbol	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	4	200	1	3	10	0.1	0.2	2	0.2	0.05		0.2	0.5	1	2	2	1	2	1	0.01
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas												32.0	3.2	1150	823	15	32	673	715	0.21
GXR-1 Cert												31.0	3.30	1110	852	18.0	41.0	730	760	0.257
GXR-1 Meas												31.2	3.4	1130	812	15	34	657	717	0.21
GXR-1 Cert												31.0	3.30	1110	852	18.0	41.0	730	760	0.257
GXR-1 Meas												32.3	3.5	1160	825	16	37	667	730	0.21
GXR-1 Cert												31.0	3.30	1110	852	18.0	41.0	730	760	0.257
GXR-4 Meas												3.6	0.6	6590	137	340	39	56	85	1.87
GXR-4 Cert												4.00	0.860	6520	155	310	42.0	52.0	73.0	1.77
GXR-4 Meas												3.7	0.5	6380	151	334	37	49	85	1.87
GXR-4 Cert												4.00	0.860	6520	155	310	42.0	52.0	73.0	1.77
GXR-4 Meas												3.9	1.1	6780	162	353	33	51	89	1.95
GXR-4 Cert												4.00	0.860	6520	155	310	42.0	52.0	73.0	1.77
GXR-6 Meas												0.4	< 0.5	68	1050	3	21	99	133	0.01
GXR-6 Cert												1.30	1.00	66.0	1010	2.40	27.0	101	118	0.0160
GXR-6 Meas												0.3	< 0.5	71	1100	< 2	24	105	143	0.01
GXR-6 Cert												1.30	1.00	66.0	1010	2.40	27.0	101	118	0.0160
GXR-6 Meas												0.3	< 0.5	67	1070	4	26	99	132	0.01
GXR-6 Cert												1.30	1.00	66.0	1010	2.40	27.0	101	118	0.0160
DMMAS 113 Meas			15	25		2.1														
DMMAS 113 Cert			14.5	24		2.2														
DMMAS 113 Meas			17	20		2.4														
DMMAS 113 Cert			14.5	24		2.2														
DMMAS 113 Meas			14	26		2.0														
DMMAS 113 Cert			14.5	24		2.2														
CCO-12-011-01 Orig												1.4	0.6	1320	802	2	212	15	41	8.10
CCO-12-011-01 Dup												1.5	< 0.5	1190	773	4	235	19	39	9.04
CCO-12-018-06 Orig												0.5	0.7	375	868	< 2	142	40	67	0.45
CCO-12-018-06 Dup												0.3	0.6	295	1090	< 2	124	45	37	0.17
CCO-12-023-01 Orig												0.5	0.5	302	828	< 2	79	21	32	2.50
CCO-12-023-01 Dup												0.5	0.5	284	1010	3	91	29	31	2.47
CCO-12-035-01 Orig												0.5	1.0	448	544	< 2	125	25	94	5.40
CCO-12-035-01 Dup												0.5	1.2	447	552	< 2	111	22	136	4.46
Method Blank												< 0.2	< 0.5	< 1	< 2	< 2	< 1	< 2	1	< 0.01
Method Blank												< 0.2	< 0.5	< 1	< 2	< 2	< 1	< 2	3	< 0.01
Method Blank												< 0.2	< 0.5	< 1	< 2	< 2	< 1	< 2	< 1	< 0.01
Method Blank												< 0.2	< 0.5	< 1	< 2	< 2	< 1	< 2	1	< 0.01
Method Blank	< 4	< 200	< 1	< 3	< 10	< 0.1	< 0.2	< 2	< 0.2	< 0.05	30.0									
Method Blank	< 4	< 200	< 1	< 3	< 10	< 0.1	< 0.2	< 2	< 0.2	< 0.05	10.0									

Appendix V: Bedrock Analysis

Quality Analysis ... *Innovative Technologies*

Date Submitted: 20-Jun-12
Invoice No.: A12-06676
Invoice Date: 12-Jul-12
Your Reference:

Coventry Resources Ontario, Inc
15 Toronto Street
Suite 600
Toronto On M5C 2E3
Canada

ATTN: Tony Goddard

CERTIFICATE OF ANALYSIS

39 Crushed Rock samples were submitted for analysis.

The following analytical packages were requested:
Code 1D INAA(INAAGEO)
Code 1E3 Aqua Regia ICP(AQUAGEO)
Code 4C (11+) Whole Rock Analysis-XRF
Code 4F-CO2 Infrared

REPORT **A12-06676**

Notes:
For values exceeding the upper limits we recommend assays.
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY :

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB 265
LAB 266 Accrédité CCN

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
Detection Limit	5	5	2	100	1	1	5	10	2	0.02	1	1	5	5	0.05	50	30	0.2	0.1	5	0.05	0.1	1	0.5
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
CCO-12-001-03	< 5	< 5	8	< 100	< 1	6	25	70	< 2	4.91	< 1	< 1	< 5	< 5	0.82	< 50	< 30	1.4	20.1	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-002-02	< 5	< 5	5	300	< 1	< 1	16	70	< 2	4.04	2	< 1	< 5	< 5	3.77	< 50	< 30	< 0.2	11.3	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-003-02	< 5	< 5	4	300	< 1	4	49	< 10	< 2	12.2	3	< 1	< 5	< 5	1.44	< 50	< 30	0.5	28.6	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-004-05	< 5	< 5	5	< 100	< 1	6	62	700	< 2	7.08	< 1	< 1	< 5	< 5	0.92	< 50	< 30	2.3	32.3	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-005-11	< 5	< 5	5	300	< 1	3	28	30	< 2	7.51	2	< 1	< 5	< 5	2.20	< 50	< 30	0.8	30.5	< 5	< 0.05	< 0.1	< 1	2.2
CCO-12-006-07	< 5	< 5	6	300	< 1	3	15	70	< 2	3.72	3	< 1	< 5	< 5	3.51	< 50	< 30	0.7	10.1	< 5	< 0.05	< 0.1	< 1	1.7
CCO-12-007-03	< 5	< 5	< 2	< 100	< 1	4	30	70	< 2	5.67	2	< 1	< 5	< 5	1.75	< 50	< 30	2.8	20.8	< 5	< 0.05	< 0.1	< 1	1.3
CCO-12-008-02	< 5	< 5	19	< 100	< 1	8	20	70	< 2	4.73	1	< 1	< 5	< 5	0.87	< 50	< 30	0.3	19.0	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-008-03	< 5	< 5	65	< 100	6	8	68	70	< 2	6.25	< 1	< 1	< 5	< 5	0.85	< 50	< 30	1.1	21.7	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-008-04	< 5	< 5	32	< 100	31	6	33	50	< 2	3.90	< 1	< 1	< 5	< 5	0.59	< 50	< 30	0.5	14.3	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-008-05	< 5	< 5	9	< 100	10	7	31	30	< 2	6.25	< 1	< 1	< 5	< 5	0.65	< 50	< 30	0.4	17.3	< 5	< 0.05	< 0.1	< 1	0.8
CCO-12-009-02	< 5	< 5	5	< 100	< 1	5	37	130	< 2	6.15	2	< 1	< 5	< 5	1.87	< 50	< 30	1.0	25.5	< 5	< 0.05	< 0.1	< 1	1.4
CCO-12-010-02	18	< 5	19	< 100	< 1	4	53	30	< 2	9.26	2	< 1	< 5	< 5	1.71	< 50	< 30	1.2	33.2	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-011-02	< 5	< 5	3	200	< 1	7	42	40	2	9.71	< 1	< 1	< 5	< 5	0.81	< 50	40	2.3	22.9	< 5	< 0.05	< 0.1	< 1	1.2
CCO-12-012-02	< 5	< 5	4	300	< 1	4	20	70	< 2	5.41	3	< 1	< 5	< 5	1.33	< 50	< 30	0.9	19.1	< 5	< 0.05	< 0.1	< 1	2.1
CCO-12-013-02	< 5	< 5	8	< 100	< 1	3	44	180	< 2	7.22	< 1	< 1	< 5	< 5	1.10	< 50	< 30	1.4	39.0	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-014-02	12	< 5	3	500	< 1	< 1	18	50	< 2	4.96	2	< 1	< 5	< 5	1.63	< 50	< 30	0.7	11.9	< 5	< 0.05	< 0.1	< 1	1.4
CCO-12-015-02	10	< 5	< 2	< 100	< 1	< 1	28	160	< 2	5.67	4	< 1	< 5	< 5	2.29	< 50	< 30	2.1	22.6	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-016-03	< 5	< 5	5	< 100	< 1	3	15	50	< 2	3.46	2	< 1	< 5	< 5	2.72	< 50	< 30	0.9	8.2	< 5	< 0.05	< 0.1	< 1	0.7
CCO-12-017-02	< 5	< 5	28	< 100	< 1	< 1	59	70	< 2	3.44	< 1	< 1	< 5	< 5	3.81	< 50	< 30	< 0.2	11.0	< 5	< 0.05	< 0.1	< 1	1.7
CCO-12-018-07	< 5	< 5	< 2	< 100	< 1	7	33	60	< 2	7.11	2	< 1	< 5	< 5	1.86	< 50	< 30	0.8	28.0	< 5	< 0.05	< 0.1	< 1	1.1
CCO-12-019-05	< 5	< 5	< 2	300	< 1	7	32	50	< 2	6.74	3	< 1	< 5	< 5	1.71	< 50	< 30	< 0.2	27.4	< 5	< 0.05	< 0.1	< 1	2.4
CCO-12-020-06	< 5	< 5	< 2	< 100	< 1	5	29	230	< 2	4.76	2	< 1	< 5	< 5	3.11	< 50	< 30	< 0.2	24.8	< 5	< 0.05	< 0.1	< 1	2.2
CCO-12-021-04	8	< 5	3	< 100	< 1	5	39	170	< 2	6.05	2	< 1	< 5	< 5	2.83	< 50	< 30	0.4	29.3	< 5	< 0.05	< 0.1	< 1	0.8
CCO-12-022-02	< 5	< 5	4	< 100	< 1	3	44	30	< 2	8.74	2	< 1	< 5	< 5	2.25	230	< 30	0.3	34.6	< 5	< 0.05	< 0.1	< 1	0.7
CCO-12-023-02	< 5	< 5	7	300	< 1	6	41	30	3	6.61	2	< 1	< 5	< 5	0.14	< 50	40	0.6	28.6	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-024-02	< 5	< 5	< 2	100	< 1	5	43	160	3	7.96	< 1	< 1	< 5	< 5	1.54	< 50	< 30	< 0.2	42.5	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-025-02	< 5	< 5	< 2	< 100	< 1	5	47	40	< 2	9.02	1	< 1	< 5	< 5	1.25	< 50	< 30	< 0.2	38.2	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-026-02	< 5	< 5	< 2	< 100	< 1	< 1	8	< 10	< 2	2.27	3	< 1	< 5	< 5	3.35	< 50	< 30	0.3	7.4	< 5	< 0.05	< 0.1	2	2.0
CCO-12-027-02	< 5	< 5	4	< 100	< 1	6	45	180	< 2	8.30	1	< 1	< 5	< 5	1.13	< 50	< 30	< 0.2	44.1	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-028-02	< 5	< 5	< 2	200	< 1	5	30	220	< 2	5.59	2	< 1	< 5	< 5	3.39	< 50	< 30	0.3	26.8	< 5	< 0.05	< 0.1	< 1	1.5
CCO-12-029-02	< 5	< 5	< 2	< 100	< 1	6	45	30	< 2	6.84	1	< 1	< 5	< 5	1.67	< 50	< 30	0.4	28.7	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-030-02	< 5	< 5	8	400	< 1	6	12	10	< 2	3.11	2	< 1	< 5	5	1.20	< 50	70	0.4	7.6	< 5	< 0.05	< 0.1	< 1	2.2
CCO-12-031-02	< 5	< 5	7	< 100	< 1	9	38	30	< 2	8.27	3	< 1	< 5	< 5	1.19	< 50	< 30	< 0.2	30.5	< 5	< 0.05	< 0.1	< 1	1.6
CCO-12-032-04	< 5	< 5	4	< 100	< 1	8	24	70	< 2	5.75	< 1	< 1	< 5	< 5	1.18	< 50	< 30	0.8	27.5	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-033-02	< 5	< 5	9	< 100	< 1	8	34	390	< 2	4.99	< 1	< 1	< 5	< 5	0.62	< 50	< 30	< 0.2	22.5	< 5	< 0.05	0.1	< 1	0.5
CCO-12-034-03	< 5	< 5	4	400	< 1	7	25	170	< 2	5.41	3	< 1	< 5	< 5	1.59	< 50	< 30	1.0	20.0	< 5	< 0.05	< 0.1	< 1	0.6
CCO-12-035-03	< 5	< 5	6	< 100	< 1	7	21	30	< 2	6.18	3	< 1	< 5	< 5	1.76	< 50	< 30	< 0.2	25.0	< 5	< 0.05	< 0.1	< 1	1.6
CCO-12-036-01	< 5	< 5	7	< 100	< 1	7	11	40	2	3.33	3	< 1	< 5	< 5	1.64	< 50	< 30	1.0	7.5	< 5	< 0.05	< 0.1	< 1	< 0.5

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Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Detection Limit	0.5	4	50	1	3	5	0.1	0.2	0.5	0.2	0.05		0.2	0.5	1	5	1	1	2	2	0.01	2	10	10
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
CCO-12-001-03	< 0.5	< 4	< 50	5	12	< 5	1.0	0.4	< 0.5	0.6	0.13	23.6	< 0.2	0.7	44	939	< 1	36	< 2	26	1.30	6	< 10	25
CCO-12-002-02	< 0.5	< 4	< 50	10	15	6	1.4	0.5	< 0.5	1.0	0.05	24.6	< 0.2	0.7	35	846	< 1	72	< 2	71	2.24	4	< 10	22
CCO-12-003-02	< 0.5	< 4	120	9	19	< 5	3.3	1.3	< 0.5	2.8	0.48	29.5	< 0.2	1.3	165	1110	< 1	9	< 2	137	3.11	3	< 10	< 10
CCO-12-004-05	< 0.5	< 4	< 50	6	14	7	1.4	0.5	< 0.5	1.1	0.19	26.1	< 0.2	0.5	98	1060	< 1	232	< 2	45	3.64	5	< 10	10
CCO-12-005-11	< 0.5	< 4	< 50	16	30	12	3.3	1.1	< 0.5	2.6	0.41	27.1	< 0.2	0.8	133	952	< 1	15	< 2	105	2.55	4	< 10	18
CCO-12-006-07	2.6	< 4	< 50	13	22	9	1.6	0.6	< 0.5	0.6	0.13	23.7	< 0.2	0.7	24	494	< 1	38	< 2	70	2.27	3	< 10	39
CCO-12-007-03	1.7	< 4	< 50	14	24	13	2.1	0.6	< 0.5	1.5	0.19	24.2	< 0.2	0.8	19	814	< 1	57	< 2	53	2.01	3	< 10	19
CCO-12-008-02	< 0.5	< 4	< 50	5	10	< 5	1.2	0.3	< 0.5	0.9	0.14	24.6	< 0.2	0.8	63	1000	< 1	18	< 2	63	0.61	17	< 10	19
CCO-12-008-03	< 0.5	< 4	90	5	10	< 5	1.6	0.6	< 0.5	0.8	0.19	23.3	< 0.2	1.0	141	1920	< 1	45	< 2	102	0.44	58	< 10	32
CCO-12-008-04	< 0.5	< 4	< 50	3	7	< 5	0.9	0.3	< 0.5	0.8	0.12	25.7	< 0.2	0.7	149	950	< 1	24	< 2	64	0.34	26	< 10	18
CCO-12-008-05	< 0.5	< 4	80	4	6	< 5	1.1	0.5	< 0.5	0.9	0.17	24.6	< 0.2	1.1	67	1410	< 1	25	< 2	82	0.63	7	< 10	16
CCO-12-009-02	< 0.5	< 4	< 50	7	9	< 5	1.6	< 0.2	< 0.5	1.3	0.29	26.9	< 0.2	1.2	67	1000	< 1	60	< 2	76	3.89	5	< 10	20
CCO-12-010-02	< 0.5	< 4	< 50	7	16	< 5	2.3	0.9	< 0.5	1.7	0.33	27.1	< 0.2	1.4	167	1300	< 1	44	< 2	88	3.18	16	< 10	< 10
CCO-12-011-02	< 0.5	< 4	< 50	9	17	5	1.8	0.6	< 0.5	1.1	0.19	26.6	< 0.2	1.2	125	1700	< 1	49	< 2	79	0.55	2	< 10	15
CCO-12-012-02	< 0.5	< 4	< 50	12	26	< 5	2.6	0.9	< 0.5	1.9	0.34	24.6	< 0.2	0.9	42	1510	< 1	27	< 2	75	2.49	3	< 10	36
CCO-12-013-02	< 0.5	< 4	< 50	4	9	< 5	1.4	0.6	< 0.5	1.6	0.26	27.4	< 0.2	1.3	16	1130	< 1	72	< 2	59	4.30	7	< 10	< 10
CCO-12-014-02	< 0.5	< 4	< 50	7	12	< 5	1.3	0.5	< 0.5	0.8	0.17	24.5	< 0.2	0.8	39	709	< 1	60	< 2	82	2.78	3	< 10	96
CCO-12-015-02	< 0.5	< 4	< 50	14	25	8	2.6	0.8	0.9	1.9	0.28	26.3	< 0.2	1.2	28	720	< 1	88	< 2	66	3.71	3	< 10	61
CCO-12-016-03	< 0.5	< 4	160	10	21	< 5	1.4	0.5	< 0.5	0.7	< 0.05	27.7	< 0.2	0.6	30	810	< 1	36	< 2	76	1.68	3	< 10	24
CCO-12-017-02	< 0.5	213	< 50	11	20	< 5	1.5	0.5	< 0.5	0.8	0.14	27.4	< 0.2	0.6	34	547	< 1	61	< 2	61	2.32	27	< 10	21
CCO-12-018-07	< 0.5	< 4	< 50	13	27	9	2.7	1.0	< 0.5	1.9	0.19	28.0	< 0.2	1.0	49	934	< 1	48	< 2	80	3.51	< 2	< 10	< 10
CCO-12-019-05	< 0.5	< 4	< 50	11	21	11	2.5	0.8	< 0.5	2.3	0.41	26.1	< 0.2	1.2	114	1400	< 1	28	< 2	91	2.44	3	< 10	< 10
CCO-12-020-06	< 0.5	< 4	< 50	18	28	19	3.4	0.8	< 0.5	1.2	0.23	24.5	< 0.2	1.0	87	936	< 1	102	< 2	51	2.79	< 2	< 10	101
CCO-12-021-04	< 0.5	< 4	< 50	9	17	< 5	2.6	0.7	< 0.5	1.5	0.25	26.6	< 0.2	1.0	102	1240	< 1	91	< 2	72	2.78	< 2	< 10	< 10
CCO-12-022-02	< 0.5	< 4	< 50	6	14	8	2.8	0.9	< 0.5	2.2	0.35	29.3	< 0.2	1.4	196	1230	< 1	36	< 2	97	3.05	3	< 10	13
CCO-12-023-02	< 0.5	< 4	150	5	11	8	2.2	0.8	< 0.5	1.6	0.24	24.8	< 0.2	1.3	126	1340	< 1	37	< 2	83	2.12	2	< 10	55
CCO-12-024-02	< 0.5	< 4	110	3	5	7	1.8	0.6	< 0.5	1.9	0.30	28.3	< 0.2	1.2	119	1090	< 1	68	< 2	74	3.95	< 2	< 10	< 10
CCO-12-025-02	< 0.5	< 4	150	6	11	< 5	2.7	0.9	< 0.5	2.1	0.41	27.8	< 0.2	0.9	159	929	< 1	37	< 2	67	2.96	< 2	< 10	16
CCO-12-026-02	< 0.5	< 4	< 50	14	22	< 5	2.0	0.4	< 0.5	0.6	0.14	26.3	< 0.2	0.7	26	408	< 1	3	< 2	96	1.37	< 2	< 10	51
CCO-12-027-02	< 0.5	< 4	< 50	4	9	9	1.9	0.6	< 0.5	1.9	0.40	26.8	< 0.2	1.0	128	846	< 1	65	< 2	62	3.25	2	< 10	13
CCO-12-028-02	< 0.5	< 4	< 50	11	19	10	2.7	0.9	< 0.5	1.3	0.29	25.6	< 0.2	1.0	116	778	< 1	87	< 2	45	2.29	< 2	< 10	12
CCO-12-029-02	1.3	< 4	< 50	4	6	< 5	1.8	0.5	< 0.5	1.5	0.24	26.3	< 0.2	1.2	121	1360	< 1	47	< 2	65	2.69	3	< 10	< 10
CCO-12-030-02	< 0.5	< 4	150	14	19	< 5	2.1	0.7	< 0.5	0.8	0.17	25.2	< 0.2	1.1	35	958	< 1	13	< 2	112	0.86	6	< 10	64
CCO-12-031-02	< 0.5	< 4	180	7	17	18	2.5	1.1	< 0.5	2.7	0.49	26.0	< 0.2	1.5	146	1450	< 1	37	< 2	86	3.53	< 2	< 10	< 10
CCO-12-032-04	3.3	< 4	< 50	7	18	< 5	1.8	0.8	1.5	2.1	0.38	23.7	< 0.2	0.8	72	1150	< 1	17	< 2	67	1.28	< 2	< 10	33
CCO-12-033-02	< 0.5	< 4	150	7	14	< 5	1.4	< 0.2	< 0.5	1.2	0.34	23.4	< 0.2	0.8	71	1330	< 1	92	< 2	47	1.65	9	< 10	19
CCO-12-034-03	< 0.5	< 4	< 50	13	32	11	2.5	0.9	< 0.5	2.8	0.38	23.7	< 0.2	0.7	72	1100	< 1	87	< 2	65	2.11	3	< 10	59
CCO-12-035-03	< 0.5	< 4	< 50	17	41	16	3.5	1.5	< 0.5	2.4	0.56	25.4	< 0.2	1.1	45	1370	< 1	22	< 2	78	2.54	< 2	< 10	52
CCO-12-036-01	< 0.5	< 4	140	8	19	< 5	1.4	0.4	< 0.5	1.0	< 0.05	23.2	< 0.2	0.6	24	650	< 1	23	< 2	70	0.81	4	< 10	42

Analyte Symbol	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
CCO-12-001-03	< 0.5	< 2	6.59	19	35	4.52	< 10	< 1	0.10	< 10	2.88	0.169	0.026	0.02	< 2	9	110	< 0.01	< 1	< 2	< 10	46	< 10	2
CCO-12-002-02	< 0.5	< 2	3.43	16	60	3.79	< 10	< 1	0.03	< 10	1.65	0.107	0.039	0.08	< 2	8	135	< 0.01	< 1	< 2	< 10	70	< 10	3
CCO-12-003-02	< 0.5	< 2	2.91	36	< 1	9.93	10	< 1	< 0.01	< 10	1.94	0.050	0.060	0.08	3	14	70	0.45	< 1	< 2	< 10	255	< 10	15
CCO-12-004-05	< 0.5	< 2	2.04	45	566	4.72	< 10	< 1	< 0.01	< 10	4.02	0.044	0.033	0.03	< 2	8	95	0.24	< 1	< 2	< 10	109	< 10	5
CCO-12-005-11	< 0.5	< 2	1.65	24	17	5.77	< 10	< 1	0.04	10	1.68	0.057	0.092	0.01	2	11	53	0.20	< 1	< 2	< 10	142	< 10	11
CCO-12-006-07	< 0.5	< 2	2.12	13	58	3.16	< 10	< 1	0.08	< 10	1.24	0.095	0.052	0.06	< 2	5	118	0.12	2	< 2	< 10	48	< 10	4
CCO-12-007-03	< 0.5	< 2	4.21	23	42	5.21	< 10	< 1	0.05	11	2.58	0.151	0.055	0.01	< 2	14	105	< 0.01	< 1	< 2	< 10	73	< 10	3
CCO-12-008-02	< 0.5	< 2	6.48	15	11	4.50	< 10	< 1	0.07	< 10	2.25	0.181	0.028	0.01	< 2	11	95	< 0.01	< 1	< 2	< 10	22	< 10	3
CCO-12-008-03	< 0.5	< 2	6.91	51	10	5.56	< 10	< 1	0.07	< 10	2.86	0.173	0.026	< 0.01	< 2	13	61	< 0.01	< 1	< 2	< 10	31	< 10	5
CCO-12-008-04	< 0.5	< 2	5.00	28	8	3.53	< 10	< 1	0.05	< 10	1.78	0.122	0.025	0.02	< 2	8	61	< 0.01	< 1	< 2	< 10	19	< 10	3
CCO-12-008-05	< 0.5	< 2	6.03	25	8	5.38	< 10	< 1	0.05	< 10	1.90	0.126	0.030	0.01	< 2	10	73	< 0.01	< 1	< 2	< 10	30	< 10	3
CCO-12-009-02	< 0.5	< 2	4.49	28	110	5.77	< 10	< 1	0.04	< 10	3.15	0.041	0.040	< 0.01	< 2	16	87	< 0.01	< 1	< 2	< 10	131	< 10	3
CCO-12-010-02	< 0.5	< 2	4.35	42	24	8.03	10	< 1	< 0.01	< 10	2.42	0.034	0.038	0.11	3	18	48	0.51	< 1	< 2	< 10	220	< 10	12
CCO-12-011-02	< 0.5	< 2	6.59	33	11	8.60	< 10	< 1	0.04	< 10	2.68	0.167	0.038	0.18	3	14	81	< 0.01	< 1	< 2	< 10	55	< 10	2
CCO-12-012-02	< 0.5	< 2	5.36	17	46	5.30	< 10	< 1	0.15	10	2.02	0.122	0.042	0.07	< 2	8	103	< 0.01	< 1	< 2	< 10	53	< 10	3
CCO-12-013-02	< 0.5	< 2	2.06	36	171	5.67	< 10	< 1	< 0.01	< 10	3.99	0.055	0.030	< 0.01	< 2	21	125	0.22	< 1	< 2	< 10	147	< 10	7
CCO-12-014-02	< 0.5	< 2	2.58	16	40	4.65	< 10	< 1	0.34	< 10	2.02	0.071	0.042	0.08	< 2	3	54	0.01	< 1	< 2	< 10	32	< 10	4
CCO-12-015-02	< 0.5	< 2	0.32	28	156	5.81	10	< 1	0.14	15	3.11	0.088	0.093	< 0.01	< 2	16	14	< 0.01	< 1	< 2	< 10	136	< 10	9
CCO-12-016-03	< 0.5	< 2	3.33	15	30	3.57	< 10	< 1	0.12	10	2.09	0.118	0.052	< 0.01	< 2	4	80	< 0.01	< 1	< 2	< 10	31	< 10	3
CCO-12-017-02	< 0.5	< 2	1.34	47	76	3.27	10	< 1	0.02	< 10	1.78	0.124	0.049	0.09	< 2	7	62	0.23	2	< 2	< 10	65	40	5
CCO-12-018-07	< 0.5	< 2	2.86	28	47	6.07	< 10	< 1	< 0.01	< 10	2.43	0.068	0.074	0.01	< 2	12	99	0.33	2	< 2	< 10	169	< 10	12
CCO-12-019-05	< 0.5	< 2	5.85	27	43	6.03	< 10	< 1	< 0.01	< 10	1.54	0.107	0.033	0.22	< 2	10	84	0.35	< 1	< 2	< 10	144	< 10	14
CCO-12-020-06	< 0.5	< 2	5.10	25	236	4.86	< 10	< 1	0.02	16	3.53	0.200	0.062	0.01	< 2	18	192	0.20	< 1	< 2	< 10	133	< 10	9
CCO-12-021-04	< 0.5	< 2	4.00	34	156	5.98	10	< 1	< 0.01	< 10	2.91	0.056	0.047	< 0.01	< 2	18	88	0.01	< 1	< 2	< 10	179	< 10	2
CCO-12-022-02	< 0.5	< 2	2.83	39	23	8.85	10	< 1	< 0.01	< 10	2.56	0.052	0.042	0.20	3	24	29	0.43	< 1	< 2	< 10	249	< 10	16
CCO-12-023-02	< 0.5	< 2	5.93	34	13	6.33	< 10	< 1	0.25	< 10	2.15	0.046	0.032	0.11	< 2	7	58	< 0.01	< 1	< 2	< 10	75	< 10	3
CCO-12-024-02	< 0.5	< 2	4.34	34	152	7.49	10	< 1	< 0.01	< 10	3.15	0.036	0.026	0.05	2	31	44	0.21	< 1	< 2	< 10	213	< 10	10
CCO-12-025-02	< 0.5	< 2	2.49	30	23	5.49	< 10	< 1	< 0.01	< 10	1.64	0.066	0.038	0.06	< 2	7	73	0.54	3	< 2	< 10	162	< 10	11
CCO-12-026-02	< 0.5	< 2	1.95	8	2	2.32	< 10	< 1	0.28	13	0.54	0.100	0.047	0.15	< 2	2	53	< 0.01	< 1	< 2	< 10	18	< 10	3
CCO-12-027-02	< 0.5	< 2	2.47	30	167	5.24	< 10	< 1	0.01	< 10	1.94	0.057	0.029	0.05	< 2	11	102	0.41	2	< 2	< 10	149	< 10	12
CCO-12-028-02	< 0.5	< 2	4.14	26	197	5.19	< 10	< 1	< 0.01	< 10	2.40	0.109	0.050	< 0.01	< 2	18	234	0.32	< 1	< 2	< 10	165	< 10	10
CCO-12-029-02	< 0.5	< 2	6.59	34	30	6.68	10	< 1	< 0.01	< 10	2.56	0.049	0.025	0.05	3	21	181	0.01	< 1	< 2	< 10	173	< 10	3
CCO-12-030-02	< 0.5	< 2	5.74	10	4	3.16	< 10	< 1	0.37	< 10	1.73	0.105	0.041	0.61	< 2	2	46	< 0.01	< 1	< 2	< 10	11	< 10	4
CCO-12-031-02	< 0.5	< 2	6.97	33	24	7.59	10	< 1	< 0.01	< 10	2.16	0.036	0.035	0.13	2	21	153	< 0.01	< 1	< 2	< 10	199	< 10	6
CCO-12-032-04	< 0.5	< 2	6.25	20	22	5.26	< 10	< 1	0.10	< 10	2.19	0.303	0.039	< 0.01	< 2	16	97	< 0.01	< 1	< 2	< 10	55	< 10	2
CCO-12-033-02	< 0.5	< 2	5.82	32	213	4.93	< 10	< 1	0.07	< 10	2.91	0.209	0.021	0.12	< 2	15	60	< 0.01	< 1	< 2	< 10	60	< 10	3
CCO-12-034-03	< 0.5	< 2	4.88	23	117	5.26	< 10	< 1	0.13	< 10	3.11	0.144	0.065	< 0.01	2	10	126	< 0.01	< 1	< 2	< 10	72	< 10	4
CCO-12-035-03	< 0.5	< 2	5.01	20	21	5.58	< 10	< 1	0.14	12	2.12	0.148	0.108	0.07	2	12	95	< 0.01	< 1	< 2	< 10	89	< 10	4
CCO-12-036-01	< 0.5	< 2	4.43	11	7	3.05	< 10	< 1	0.19	< 10	1.55	0.174	0.032	0.15	< 2	2	138	< 0.01	< 1	< 2	< 10	9	< 10	2

Analyte Symbol	Zr	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Cr2O3	V2O5	LOI	Total	CO2
Unit Symbol	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Detection Limit	1	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.003		0.01	0.01
Analysis Method	AR-ICP	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	IR
CCO-12-001-03	3	46.79	9.32	7.36	0.140	5.23	11.15	0.97	0.58	0.45	0.06	0.01	0.025	17.35	99.43	15.1
CCO-12-002-02	6	58.54	14.29	6.07	0.118	2.83	5.48	5.35	0.21	0.47	0.09	0.01	0.019	5.88	99.36	3.74
CCO-12-003-02	10	48.28	11.84	18.46	0.238	3.62	7.21	1.75	0.03	1.96	0.16	< 0.01	0.074	5.33	98.95	2.53
CCO-12-004-05	6	46.49	14.19	10.67	0.208	10.98	9.24	1.14	0.06	0.62	0.08	0.10	0.037	5.61	99.42	1.11
CCO-12-005-11	9	55.58	14.23	11.85	0.161	3.27	5.86	3.06	0.26	1.25	0.23	0.01	0.057	3.46	99.28	0.94
CCO-12-006-07	8	61.32	16.11	5.47	0.069	2.19	4.57	4.73	0.67	0.48	0.12	0.01	0.017	3.62	99.38	1.51
CCO-12-007-03	5	50.32	12.60	8.46	0.115	4.75	6.81	2.26	0.33	0.66	0.14	0.01	0.032	12.42	98.90	9.74
CCO-12-008-02	4	49.29	8.00	7.40	0.150	4.21	10.92	1.03	0.45	0.39	0.07	0.01	0.024	17.25	99.20	15.3
CCO-12-008-03	8	43.94	7.39	9.42	0.308	5.37	12.17	0.97	0.42	0.36	0.06	0.04	0.023	18.46	98.94	17.0
CCO-12-008-04	6	63.67	4.80	5.75	0.133	3.20	7.92	0.50	0.28	0.26	0.06	0.02	0.013	12.34	98.94	11.1
CCO-12-008-05	6	54.14	5.72	8.96	0.213	3.48	10.00	0.64	0.28	0.36	0.07	0.03	0.018	15.44	99.35	13.7
CCO-12-009-02	3	47.89	14.15	9.74	0.151	5.92	7.75	2.54	0.36	0.69	0.10	0.03	0.036	9.80	99.16	5.86
CCO-12-010-02	6	47.00	12.14	14.34	0.220	4.60	9.05	2.17	0.04	1.15	0.10	0.01	0.062	8.05	98.93	4.85
CCO-12-011-02	5	37.09	6.81	14.79	0.270	5.05	11.80	0.93	0.25	0.56	0.09	0.01	0.035	21.19	98.87	19.8
CCO-12-012-02	7	51.11	11.76	8.56	0.227	3.69	8.66	1.81	0.80	0.54	0.10	0.01	0.021	11.75	99.04	9.14
CCO-12-013-02	4	50.94	15.25	11.10	0.182	7.64	6.42	1.34	0.06	0.80	0.08	0.03	0.051	5.94	99.83	1.20
CCO-12-014-02	7	57.87	14.60	7.82	0.099	3.84	3.94	2.06	2.13	0.49	0.10	0.01	0.017	6.06	99.04	2.90
CCO-12-015-02	3	59.04	15.05	9.66	0.094	5.55	0.53	3.36	0.65	0.94	0.21	0.03	0.037	4.07	99.22	0.09
CCO-12-016-03	4	56.22	13.33	5.94	0.113	3.79	5.29	4.11	0.69	0.47	0.12	< 0.01	0.012	9.14	99.22	7.14
CCO-12-017-02	15	62.10	15.88	5.72	0.078	3.24	3.49	5.33	0.13	0.54	0.12	0.01	0.017	2.78	99.44	0.58
CCO-12-018-07	10	52.13	14.66	11.37	0.152	4.50	7.58	2.57	0.05	1.11	0.19	0.01	0.053	5.13	99.51	1.94
CCO-12-019-05	19	49.39	10.87	11.27	0.236	2.90	12.00	2.47	0.04	0.85	0.08	0.01	0.044	8.54	98.70	6.50
CCO-12-020-06	14	49.31	12.55	7.86	0.141	6.38	8.68	4.10	0.13	0.59	0.15	0.04	0.029	9.45	99.41	6.22
CCO-12-021-04	5	48.89	12.43	10.04	0.184	5.44	6.74	3.69	0.07	0.85	0.12	0.03	0.041	10.11	98.63	7.35
CCO-12-022-02	8	48.72	12.82	15.63	0.204	4.96	6.07	2.97	0.06	1.35	0.11	0.01	0.071	5.84	98.81	2.90
CCO-12-023-02	3	45.04	10.51	10.92	0.212	4.10	10.15	< 0.01	1.89	0.94	0.08	0.01	0.048	14.70	98.52	12.2
CCO-12-024-02	5	45.55	13.00	13.02	0.174	6.21	8.53	1.89	0.05	0.91	0.07	0.03	0.055	9.52	99.00	5.58
CCO-12-025-02	10	48.72	12.81	15.33	0.231	5.71	10.35	1.49	0.05	1.21	0.09	0.01	0.059	3.17	99.24	0.63
CCO-12-026-02	9	66.84	14.32	3.91	0.052	0.99	2.79	4.73	1.57	0.45	0.10	< 0.01	0.006	3.46	99.22	2.01
CCO-12-027-02	11	49.11	13.63	13.82	0.201	6.49	10.43	1.38	0.08	0.93	0.07	0.03	0.058	3.53	99.74	0.62
CCO-12-028-02	13	52.28	12.99	9.17	0.125	4.56	7.87	4.40	0.05	0.70	0.12	0.04	0.043	7.08	99.43	4.62
CCO-12-029-02	3	44.90	9.64	11.20	0.220	4.80	11.64	2.00	0.05	0.80	0.06	0.01	0.044	13.62	98.99	11.0
CCO-12-030-02	4	51.71	11.69	5.11	0.136	3.15	9.21	1.40	2.35	0.39	0.10	< 0.01	0.014	13.26	98.51	12.0
CCO-12-031-02	4	42.62	10.50	13.00	0.236	4.16	12.76	1.33	0.04	1.21	0.09	0.01	0.057	12.99	99.01	9.95
CCO-12-032-04	4	46.48	10.19	8.67	0.175	3.93	10.36	1.35	0.41	0.54	0.09	0.01	0.026	16.80	99.03	14.6
CCO-12-033-02	7	51.66	7.50	7.86	0.200	5.24	9.62	0.62	0.28	0.25	0.05	0.06	0.021	15.77	99.13	14.1
CCO-12-034-03	4	48.45	10.94	8.85	0.164	5.66	8.07	2.07	0.65	0.66	0.16	0.03	0.028	13.84	99.57	11.5
CCO-12-035-03	4	49.35	11.99	9.42	0.214	3.95	8.42	2.15	0.62	1.07	0.27	0.01	0.038	12.06	99.56	9.49
CCO-12-036-01	5	58.66	11.33	5.01	0.086	2.74	6.73	1.92	1.24	0.31	0.07	< 0.01	0.008	11.10	99.21	9.50

Quality Control

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
Detection Limit	5	5	2	100	1	1	5	10	2	0.02	1	1	5	5	0.05	50	30	0.2	0.1	5	0.05	0.1	1	0.5
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GXR-1 Meas																								
GXR-1 Cert																								
DH-1a Meas																								
DH-1a Cert																								
MICA-FE Meas																								
MICA-FE Cert																								
GXR-4 Meas																								
GXR-4 Cert																								
AN-G Meas																								
AN-G Cert																								
GXR-6 Meas																								
GXR-6 Cert																								
BE-N Meas																								
BE-N Cert																								
AC-E Meas																								
AC-E Cert																								
SY-4 Meas																								
SY-4 Cert																								
Calcium Carbonate Meas																								
Calcium Carbonate Cert																								
MICA-Mg Meas																								
MICA-Mg Cert																								
DMMAS 113 Meas	1900		1540	1600			40	80		3.08					1.91				6.7					
DMMAS 113 Cert	1665		1468	1519			36	75		2.86					1.82				5.8					
CCO-12-001-03 Orig																								
CCO-12-001-03 Dup																								
CCO-12-012-02 Orig																								
CCO-12-012-02 Dup																								
CCO-12-017-02 Orig																								
CCO-12-017-02 Dup																								
CCO-12-025-02 Orig																								
CCO-12-025-02 Dup																								
CCO-12-027-02 Orig	< 5	< 5	4	< 100	< 1	6	45	180	< 2	8.30	1	< 1	< 5	< 5	1.13	< 50	< 30	< 0.2	44.1	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-027-02 Split	< 5	< 5	4	< 100	< 1	7	42	200	< 2	8.69	2	< 1	< 5	< 5	1.17	< 50	< 30	< 0.2	43.5	< 5	< 0.05	< 0.1	< 1	< 0.5
CCO-12-027-02 Orig																								
CCO-12-027-02 Dup																								
Method Blank																								
Method Blank																								
Method Blank	< 5	< 5	< 2	< 100	< 1	< 1	< 5	< 10	< 2	< 0.02	< 1	< 1	< 5	< 5	< 0.05	< 50	< 30	< 0.2	< 0.1	< 5	< 0.05	< 0.1	< 1	< 0.5
Method Blank																								

Quality Control

Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Detection Limit	0.5	4	50	1	3	5	0.1	0.2	0.5	0.2	0.05		0.2	0.5	1	5	1	1	2	2	0.01	2	10	10
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas													29.5	3.7	1130	760	14	35	636	678	0.31	355	11	392
GXR-1 Cert													31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750
DH-1a Meas																								
DH-1a Cert																								
MICA-FE Meas																								
MICA-FE Cert																								
GXR-4 Meas													3.6	0.7	6410	152	325	39	44	76	2.57	104	< 10	26
GXR-4 Cert													4.00	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640
AN-G Meas																								
AN-G Cert																								
GXR-6 Meas													0.3	0.6	66	997	1	21	92	126	6.28	222	< 10	875
GXR-6 Cert													1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300
BE-N Meas																								
BE-N Cert																								
AC-E Meas																								
AC-E Cert																								
SY-4 Meas																								
SY-4 Cert																								
Calcium Carbonate Meas																								
Calcium Carbonate Cert																								
MICA-Mg Meas																								
MICA-Mg Cert																								
DMMAS 113 Meas	13.3			16	24		2.3																	
DMMAS 113 Cert	15.6			14.5	24		2.2																	
CCO-12-001-03 Orig													< 0.2	0.8	43	937	< 1	36	< 2	27	1.30	6	< 10	25
CCO-12-001-03 Dup													< 0.2	0.7	46	941	< 1	35	< 2	26	1.30	7	< 10	25
CCO-12-012-02 Orig													< 0.2	1.0	43	1500	< 1	27	< 2	75	2.48	2	< 10	36
CCO-12-012-02 Dup													< 0.2	0.7	40	1510	< 1	26	< 2	76	2.51	3	< 10	36
CCO-12-017-02 Orig																								
CCO-12-017-02 Dup																								
CCO-12-025-02 Orig													< 0.2	1.0	159	919	< 1	35	< 2	67	2.91	< 2	< 10	16
CCO-12-025-02 Dup													< 0.2	0.8	160	940	< 1	38	< 2	67	3.01	3	< 10	17
CCO-12-027-02 Orig	< 0.5	< 4	< 50	4	9	9	1.9	0.6	< 0.5	1.9	0.40	26.8	< 0.2	1.0	128	846	< 1	65	< 2	62	3.25	2	< 10	13
CCO-12-027-02 Split	< 0.5	< 4	280	4	14	< 5	1.9	< 0.2	< 0.5	3.7	0.56	26.2	< 0.2	1.4	131	845	< 1	66	< 2	64	3.22	< 2	< 10	13
CCO-12-027-02 Orig																								
CCO-12-027-02 Dup																								
Method Blank																								
Method Blank													< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10
Method Blank	< 0.5	< 4	< 50	< 1	< 3	< 5	< 0.1	< 0.2	< 0.5	< 0.2	< 0.05	30.0												
Method Blank																								

Quality Control

Analyte Symbol	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas	0.8	1350	0.70	3	6	19.7	< 10	3	0.03	< 10	0.12	0.127	0.042	0.19	74	1	183		5	< 2	30	75	138	24
GXR-1 Cert	1.22	1380	0.960	8.20	12.0	23.6	13.8	3.90	0.050	7.50	0.217	0.0520	0.0650	0.257	122	1.58	275		13.0	0.390	34.9	80.0	164	32.0
DH-1a Meas																					< 10			
DH-1a Cert																					2629			
MICA-FE Meas																								
MICA-FE Cert																								
GXR-4 Meas	1.5	15	0.87	13	56	2.77	< 10	< 1	1.91	49	1.48	0.163	0.129	1.81	4	7	78		2	< 2	< 10	80	18	12
GXR-4 Cert	1.90	19.0	1.01	14.6	64.0	3.09	20.0	0.110	4.01	64.5	1.66	0.564	0.120	1.77	4.80	7.70	221		0.970	3.20	6.20	87.0	30.8	14.0
AN-G Meas																								
AN-G Cert																								
GXR-6 Meas	0.9	< 2	0.14	12	82	4.80	10	< 1	1.24	12	0.35	0.254	0.034	0.01	3	24	31		< 1	< 2	< 10	167	< 10	7
GXR-6 Cert	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0
BE-N Meas																								
BE-N Cert																								
AC-E Meas																								
AC-E Cert																								
SY-4 Meas																								
SY-4 Cert																								
Calcium Carbonate Meas																								
Calcium Carbonate Cert																								
MICA-Mg Meas																								
MICA-Mg Cert																								
DMMAS 113 Meas																								
DMMAS 113 Cert																								
CCO-12-001-03 Orig	< 0.5	< 2	6.60	19	35	4.50	< 10	< 1	0.10	< 10	2.87	0.165	0.026	0.02	< 2	9	110	< 0.01	< 1	< 2	< 10	46	< 10	2
CCO-12-001-03 Dup	< 0.5	< 2	6.59	18	35	4.53	< 10	< 1	0.10	< 10	2.88	0.173	0.026	0.02	< 2	9	110	< 0.01	< 1	< 2	< 10	46	< 10	2
CCO-12-012-02 Orig	< 0.5	< 2	5.35	17	46	5.28	< 10	< 1	0.15	10	2.01	0.121	0.042	0.08	< 2	8	102	< 0.01	< 1	< 2	< 10	52	< 10	3
CCO-12-012-02 Dup	< 0.5	< 2	5.37	17	47	5.33	< 10	< 1	0.15	10	2.03	0.123	0.042	0.07	< 2	8	104	< 0.01	< 1	< 2	< 10	53	< 10	3
CCO-12-017-02 Orig																								
CCO-12-017-02 Dup																								
CCO-12-025-02 Orig	< 0.5	< 2	2.46	29	23	5.41	< 10	< 1	< 0.01	< 10	1.61	0.064	0.037	0.06	< 2	6	72	0.53	3	< 2	< 10	160	< 10	11
CCO-12-025-02 Dup	< 0.5	< 2	2.52	31	23	5.56	< 10	< 1	< 0.01	< 10	1.66	0.067	0.039	0.06	2	7	73	0.55	3	< 2	< 10	163	< 10	11
CCO-12-027-02 Orig	< 0.5	< 2	2.47	30	167	5.24	< 10	< 1	0.01	< 10	1.94	0.057	0.029	0.05	< 2	11	102	0.41	2	< 2	< 10	149	< 10	12
CCO-12-027-02 Split	< 0.5	< 2	2.42	30	168	5.22	< 10	< 1	0.01	< 10	1.96	0.057	0.029	0.06	< 2	11	97	0.39	3	< 2	< 10	146	< 10	11
CCO-12-027-02 Orig																								
CCO-12-027-02 Dup																								
Method Blank																								
Method Blank	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1
Method Blank																								
Method Blank																								

Quality Control

Analyte Symbol	Zr	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Cr2O3	V2O5	LOI	Total	CO2
Unit Symbol	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Detection Limit	1	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.003		0.01	0.01
Analysis Method	AR-ICP	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	IR
GXR-1 Meas	13															
GXR-1 Cert	38.0															
DH-1a Meas																
DH-1a Cert																
MICA-FE Meas		34.73	19.42	25.85	0.344	4.66	0.42	0.36	8.81	2.47	0.41	0.01	0.023			
MICA-FE Cert		34.4	19.5	25.6	0.350	4.55	0.430	0.300	8.75	2.50	0.450	0.01	0.024			
GXR-4 Meas	11															
GXR-4 Cert	186															
AN-G Meas		46.36	29.88	3.34	0.048	1.81	15.91	1.61	0.15	0.21	0.01	0.01	0.013			
AN-G Cert		46.30	29.8	3.36	0.040	1.79	15.90	1.63	0.13	0.22	0.01	0.01	0.012			
GXR-6 Meas	12															
GXR-6 Cert	110															
BE-N Meas		38.72	10.65	12.92	0.199	13.09	13.87	3.28	1.34	2.61	1.08	0.05	0.046			
BE-N Cert		38.2	10.1	12.8	0.200	13.1	13.9	3.18	1.39	2.61	1.05	0.0500	0.042			
AC-E Meas		70.24	14.69	2.56	0.056	0.06	0.36	6.44	4.49	0.10						
AC-E Cert		70.35	14.70	2.56	0.058	0.03	0.34	6.54	4.49	0.11						
SY-4 Meas																3.22
SY-4 Cert																3.5
Calcium Carbonate Meas																44.1
Calcium Carbonate Cert																44.05
MICA-Mg Meas		38.14	15.29	9.40	0.258	20.32	< 0.01	0.04	9.91	1.61	< 0.01	0.02				
MICA-Mg Cert		38.30	15.20	9.46	0.26	20.40	0.08	0.12	10.00	1.63	0.01	0.01				
DMMAS 113 Meas																
DMMAS 113 Cert																
CCO-12-001-03 Orig	3															
CCO-12-001-03 Dup	3															
CCO-12-012-02 Orig	7															
CCO-12-012-02 Dup	7															
CCO-12-017-02 Orig																0.59
CCO-12-017-02 Dup																0.58
CCO-12-025-02 Orig	10															
CCO-12-025-02 Dup	11															
CCO-12-027-02 Orig	11	49.11	13.63	13.82	0.201	6.49	10.43	1.38	0.08	0.93	0.07	0.03	0.058	3.53	99.74	0.62
CCO-12-027-02 Split	9	48.94	13.81	13.82	0.198	6.56	10.37	1.36	0.07	0.93	0.06	0.03	0.055	3.59	99.80	0.61
CCO-12-027-02 Orig		49.06	13.62	13.83	0.200	6.50	10.42	1.35	0.08	0.93	0.07	0.03	0.059	3.53	99.68	
CCO-12-027-02 Dup		49.15	13.63	13.81	0.202	6.48	10.44	1.40	0.07	0.93	0.07	0.03	0.057	3.53	99.80	
Method Blank																< 0.01
Method Blank	< 1															
Method Blank																
Method Blank		< 0.01	< 0.01	< 0.01	< 0.001	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.003			

Quality Analysis ... *Innovative Technologies*

Date Submitted: 01-May-14
Invoice No.: A14-02909
Invoice Date: 16-May-14
Your Reference: ONT-0002

Coventry Resources Ontario, Inc
1 Yonge Street, Suite 1801
Toronto On M5E 1W7
Canada

ATTN: Nick Walker

CERTIFICATE OF ANALYSIS

44 Crushed Rock samples were submitted for analysis.

The following analytical package was requested: Code 1D INAA(INAAGEO)

REPORT **A14-02909**

Notes:
For values exceeding the upper limits we recommend assays.
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.
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TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 01-May-14
Invoice No.: A14-02909
Invoice Date: 16-May-14
Your Reference: ONT-0002

Coventry Resources Ontario, Inc
1 Yonge Street, Suite 1801
Toronto On M5E 1W7
Canada

ATTN: Nick Walker

CERTIFICATE OF ANALYSIS

44 Crushed Rock samples were submitted for analysis.

The following analytical package was requested: Code 1E-Tbay Aqua Regia ICP(AQUAGEO)

REPORT **A14-02909**

Notes:
For values exceeding the upper limits we recommend assays.
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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Results

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Detection Limit	5	5	2	100	1	1	5	10	2	0.02	1	1	5	5	0.05	50	30	0.2	0.1	5	0.05	0.1	1
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
1071848	< 5	< 5	16	< 100	< 1	11	43	30	< 2	8.11	3	< 1	< 5	< 5	2.46	< 50	< 30	0.6	29.4	< 5	< 0.05	< 0.1	< 1
1071849	9	< 5	11	< 100	< 1	7	28	20	< 2	8.40	< 1	< 1	< 5	< 5	0.41	< 50	< 30	0.8	20.0	< 5	< 0.05	< 0.1	< 1
1071850	< 5	< 5	7	< 100	< 1	< 1	32	70	< 2	4.32	3	< 1	< 5	< 5	1.43	< 50	< 30	0.3	7.1	< 5	< 0.05	< 0.1	< 1
1071851	< 5	< 5	6	< 100	< 1	6	18	50	< 2	3.57	< 1	< 1	< 5	< 5	1.27	< 50	< 30	1.5	6.1	< 5	< 0.05	< 0.1	< 1
1071852	< 5	< 5	4	< 100	< 1	9	62	550	< 2	6.79	< 1	< 1	< 5	< 5	0.61	< 50	< 30	1.4	17.3	< 5	< 0.05	< 0.1	< 1
1071853	< 5	< 5	6	< 100	< 1	13	55	50	< 2	9.41	< 1	< 1	< 5	< 5	0.92	< 50	< 30	1.6	25.7	< 5	< 0.05	< 0.1	< 1
1071854	< 5	< 5	5	< 100	< 1	< 1	27	50	< 2	6.15	< 1	< 1	< 5	< 5	3.33	< 50	< 30	0.2	19.1	< 5	< 0.05	< 0.1	< 1
1071855	< 5	< 5	9	< 100	< 1	1	106	1090	< 2	10.4	< 1	< 1	< 5	< 5	0.05	240	< 30	0.3	13.8	< 5	< 0.05	< 0.1	< 1
1071856	< 5	< 5	25	< 100	< 1	9	50	430	< 2	6.34	< 1	< 1	< 5	< 5	0.28	< 50	50	2.6	16.8	< 5	< 0.05	< 0.1	< 1
1071857	< 5	< 5	6	< 100	< 1	7	72	530	< 2	8.05	1	< 1	< 5	< 5	0.47	< 50	< 30	1.9	21.7	< 5	< 0.05	< 0.1	< 1
1071858	< 5	< 5	21	< 100	< 1	11	68	510	< 2	7.51	< 1	< 1	< 5	< 5	1.52	< 50	< 30	2.0	19.9	< 5	< 0.05	< 0.1	< 1
1071859	< 5	< 5	7	< 100	< 1	< 1	52	470	< 2	6.65	< 1	< 1	< 5	< 5	1.80	< 50	< 30	1.6	25.5	< 5	< 0.05	< 0.1	< 1
1071860	< 5	< 5	4	< 100	< 1	7	59	40	< 2	9.19	< 1	< 1	< 5	< 5	1.23	< 50	< 30	< 0.2	27.1	< 5	< 0.05	< 0.1	< 1
1071861	< 5	< 5	< 2	< 100	< 1	< 1	38	360	< 2	5.52	< 1	< 1	< 5	< 5	2.16	< 50	< 30	< 0.2	20.3	< 5	< 0.05	< 0.1	< 1
1071862	< 5	< 5	5	< 100	< 1	8	< 5	30	< 2	8.73	< 1	< 1	< 5	< 5	1.37	< 50	< 30	0.5	24.3	< 5	< 0.05	< 0.1	< 1
1071863	< 5	< 5	9	< 100	< 1	5	57	50	4	8.80	< 1	< 1	< 5	< 5	1.92	< 50	< 30	< 0.2	28.2	< 5	< 0.05	< 0.1	< 1
1071864	< 5	< 5	19	< 100	< 1	6	32	250	< 2	5.52	< 1	< 1	< 5	< 5	0.86	< 50	< 30	3.5	18.5	< 5	< 0.05	< 0.1	< 1
1071865	< 5	< 5	5	< 100	< 1	< 1	75	620	< 2	7.83	< 1	< 1	< 5	< 5	0.72	< 50	< 30	3.4	21.7	< 5	< 0.05	< 0.1	< 1
1071866	< 5	< 5	5	< 100	< 1	5	95	1460	< 2	7.65	< 1	< 1	< 5	< 5	0.10	620	< 30	0.6	18.0	< 5	< 0.05	< 0.1	< 1
1071867	< 5	< 5	< 2	< 100	< 1	7	51	40	< 2	8.54	2	< 1	< 5	< 5	1.45	< 50	< 30	< 0.2	27.6	< 5	< 0.05	< 0.1	< 1
1071868	< 5	< 5	4	< 100	< 1	5	62	510	< 2	6.85	< 1	< 1	< 5	< 5	1.86	< 50	< 30	1.1	23.0	< 5	0.25	< 0.1	< 1
1071869	< 5	< 5	9	< 100	< 1	< 1	87	740	< 2	7.78	< 1	< 1	< 5	< 5	0.90	310	< 30	1.9	34.2	< 5	< 0.05	< 0.1	< 1
1071870	< 5	< 5	5	< 100	< 1	4	20	30	< 2	4.11	4	< 1	< 5	< 5	2.50	< 50	< 30	1.7	14.1	< 5	< 0.05	< 0.1	< 1
1071871	< 5	< 5	47	< 100	< 1	3	61	360	< 2	7.80	< 1	< 1	< 5	< 5	1.10	< 50	< 30	0.7	22.0	< 5	< 0.05	< 0.1	< 1
1071872	< 5	< 5	4	< 100	< 1	12	48	190	< 2	5.49	< 1	< 1	< 5	< 5	0.68	150	< 30	1.4	16.0	< 5	< 0.05	< 0.1	< 1
1071873	< 5	< 5	6	< 100	< 1	9	28	60	< 2	4.80	2	< 1	< 5	< 5	0.50	< 50	< 30	0.5	12.1	< 5	< 0.05	< 0.1	< 1
1071874	< 5	< 5	7	< 100	< 1	6	59	70	< 2	9.05	2	< 1	< 5	< 5	1.43	< 50	< 30	1.1	27.4	< 5	< 0.05	< 0.1	< 1
1071875	< 5	< 5	4	< 100	< 1	< 1	38	70	< 2	6.12	< 1	< 1	< 5	< 5	1.20	< 50	< 30	1.1	20.7	< 5	< 0.05	< 0.1	< 1
1071876	9	< 5	2	< 100	< 1	12	12	50	< 2	2.14	< 1	< 1	< 5	< 5	0.17	< 50	< 30	0.3	9.5	< 5	< 0.05	< 0.1	< 1
1071877	< 5	< 5	3	< 100	< 1	10	55	50	< 2	8.36	< 1	< 1	< 5	< 5	1.16	< 50	< 30	< 0.2	24.6	< 5	< 0.05	< 0.1	< 1
1071878	< 5	< 5	6	< 100	< 1	8	56	120	< 2	7.96	< 1	< 1	< 5	< 5	0.62	< 50	< 30	1.5	21.9	< 5	< 0.05	< 0.1	< 1
1071879	28	< 5	7	< 100	< 1	7	48	90	< 2	7.73	< 1	< 1	< 5	< 5	0.60	< 50	< 30	1.1	21.7	< 5	< 0.05	< 0.1	< 1
1071880	< 5	< 5	36	< 100	< 1	< 1	15	20	< 2	3.38	3	< 1	< 5	< 5	2.35	< 50	< 30	3.2	9.0	< 5	< 0.05	< 0.1	< 1
1071881	< 5	< 5	15	< 100	< 1	4	34	100	< 2	6.14	2	< 1	< 5	< 5	1.98	< 50	100	5.9	25.3	< 5	< 0.05	< 0.1	< 1
1071882	< 5	< 5	7	< 100	< 1	13	64	60	< 2	7.81	< 1	< 1	< 5	< 5	2.11	< 50	60	< 0.2	28.2	< 5	< 0.05	< 0.1	< 1
1071883	< 5	< 5	3	< 100	< 1	6	58	60	< 2	8.19	< 1	< 1	< 5	< 5	1.37	< 50	< 30	< 0.2	26.1	< 5	< 0.05	< 0.1	< 1
1071884	< 5	< 5	3	< 100	< 1	7	45	160	< 2	6.94	< 1	< 1	< 5	< 5	1.80	< 50	< 30	< 0.2	23.0	< 5	< 0.05	< 0.1	< 1
1071885	< 5	< 5	8	< 100	< 1	< 1	54	20	< 2	8.98	2	< 1	< 5	< 5	2.16	< 50	< 30	0.7	26.0	< 5	< 0.05	< 0.1	< 1
1071886	< 5	< 5	5	< 100	< 1	10	47	30	< 2	8.24	2	< 1	< 5	< 5	0.58	< 50	< 30	1.6	22.8	< 5	< 0.05	< 0.1	< 1
1071887	< 5	< 5	12	< 100	< 1	5	24	180	< 2	4.83	2	< 1	< 5	< 5	1.22	< 50	< 30	0.6	14.7	< 5	< 0.05	< 0.1	< 1
1071888	< 5	< 5	< 2	900	< 1	< 1	< 5	< 10	< 2	2.69	< 1	< 1	< 5	7	4.12	< 50	< 30	< 0.2	2.7	< 5	< 0.05	< 0.1	< 1
1071889	40	< 5	12	< 100	< 1	< 1	< 5	20	< 2	2.77	< 1	< 1	< 5	< 5	3.36	< 50	< 30	0.8	2.1	< 5	< 0.05	< 0.1	< 1
1071890	< 5	< 5	3	< 100	< 1	< 1	28	< 10	< 2	5.83	3	< 1	< 5	< 5	2.23	< 50	< 30	2.3	19.0	< 5	< 0.05	< 0.1	< 1
1071891	< 5	< 5	5	< 100	< 1	5	61	60	< 2	8.76	3	< 1	< 5	< 5	1.42	< 50	< 30	1.3	26.5	< 5	< 0.05	< 0.1	< 1

Results

Analyte Symbol	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.5	0.5	4	50	1	3	5	0.1	0.2	0.5	0.2	0.05		0.2	0.5	1	2	2	1	2	1	0.001
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1071848	< 0.5	< 0.5	< 4	< 50	8	37	< 5	3.3	0.5	< 0.5	2.8	0.20	26.7	< 0.2	< 0.5	141	1180	< 2	10	< 2	64	0.034
1071849	< 0.5	< 0.5	< 4	140	12	46	16	3.9	1.9	< 0.5	2.2	0.10	25.4	< 0.2	0.7	48	2130	< 2	8	3	92	0.293
1071850	< 0.5	< 0.5	< 4	< 50	12	23	< 5	2.2	< 0.2	< 0.5	1.1	< 0.05	26.3	0.3	< 0.5	222	572	< 2	18	< 2	194	0.733
1071851	< 0.5	< 0.5	< 4	< 50	7	10	< 5	1.6	< 0.2	< 0.5	< 0.2	< 0.05	28.5	< 0.2	< 0.5	29	716	< 2	27	< 2	64	0.154
1071852	< 0.5	< 0.5	< 4	< 50	5	27	< 5	1.4	< 0.2	< 0.5	1.0	0.10	27.8	< 0.2	< 0.5	13	1510	< 2	254	< 2	52	0.006
1071853	< 0.5	< 0.5	< 4	< 50	6	20	< 5	2.7	0.9	< 0.5	2.4	0.10	28.4	< 0.2	< 0.5	164	1440	< 2	41	< 2	89	0.035
1071854	3.3	< 0.5	< 4	< 50	17	36	20	4.4	0.8	< 0.5	2.4	0.10	30.6	< 0.2	< 0.5	20	926	< 2	19	< 2	91	0.004
1071855	< 0.5	< 0.5	< 4	260	3	< 3	< 5	1.4	< 0.2	< 0.5	1.0	< 0.05	25.4	< 0.2	< 0.5	38	1080	< 2	391	< 2	70	0.002
1071856	< 0.5	< 0.5	< 4	< 50	7	22	10	1.9	1.0	< 0.5	1.5	< 0.05	28.2	< 0.2	< 0.5	30	1290	< 2	195	3	55	0.121
1071857	< 0.5	< 0.5	< 4	< 50	7	15	< 5	2.2	< 0.2	< 0.5	1.7	0.10	28.2	< 0.2	< 0.5	76	1340	< 2	237	4	86	< 0.001
1071858	< 0.5	< 0.5	< 4	320	8	24	29	2.2	< 0.2	< 0.5	1.8	0.10	32.0	< 0.2	< 0.5	52	853	< 2	188	< 2	59	0.003
1071859	< 0.5	< 0.5	< 4	< 50	8	21	< 5	2.4	0.6	< 0.5	1.8	< 0.05	30.2	< 0.2	< 0.5	4	746	< 2	156	2	43	0.001
1071860	< 0.5	< 0.5	< 4	< 50	6	11	< 5	3.0	0.8	< 0.5	2.4	0.20	29.9	< 0.2	< 0.5	114	1330	< 2	38	< 2	88	0.015
1071861	3.1	< 0.5	< 4	< 50	12	28	< 5	3.2	0.6	< 0.5	2.0	0.10	27.3	< 0.2	< 0.5	63	1090	< 2	111	< 2	70	0.018
1071862	< 0.5	< 0.5	< 4	< 50	5	20	< 5	2.5	0.6	< 0.5	2.1	0.10	32.3	< 0.2	0.7	160	1940	< 2	36	< 2	82	0.083
1071863	< 0.5	< 0.5	< 4	< 50	4	8	< 5	2.3	0.4	< 0.5	2.4	0.20	31.7	< 0.2	1.0	155	1290	< 2	51	< 2	109	0.108
1071864	< 0.5	< 0.5	< 4	< 50	5	14	< 5	1.6	< 0.2	< 0.5	0.9	0.10	29.6	< 0.2	< 0.5	32	1400	< 2	106	5	48	0.136
1071865	< 0.5	< 0.5	< 4	< 50	8	15	< 5	2.3	0.8	< 0.5	1.9	< 0.05	30.4	< 0.2	< 0.5	21	662	< 2	265	< 2	73	0.003
1071866	< 0.5	< 0.5	< 4	< 50	10	4	< 5	2.5	0.5	< 0.5	1.1	0.10	26.2	< 0.2	< 0.5	93	731	< 2	616	< 2	45	0.007
1071867	< 0.5	< 0.5	< 4	< 50	5	12	< 5	2.7	0.6	< 0.5	2.5	0.10	29.8	< 0.2	1.1	160	1730	< 2	34	< 2	84	0.071
1071868	< 0.5	< 0.5	< 4	< 50	5	13	< 5	1.9	< 0.2	< 0.5	1.3	0.10	29.1	< 0.2	< 0.5	53	1100	< 2	200	< 2	55	0.002
1071869	< 0.5	< 0.5	< 4	< 50	14	37	< 5	3.1	1.0	< 0.5	3.2	0.10	26.4	< 0.2	0.7	42	723	< 2	233	< 2	58	< 0.001
1071870	4.7	< 0.5	< 4	< 50	21	37	< 5	5.3	1.0	< 0.5	2.6	0.10	31.1	< 0.2	< 0.5	< 1	827	< 2	12	< 2	32	0.001
1071871	< 0.5	< 0.5	< 4	< 50	3	< 3	< 5	1.0	< 0.2	< 0.5	< 0.2	0.10	29.3	< 0.2	1.4	46	1020	< 2	140	< 2	67	< 0.001
1071872	< 0.5	< 0.5	< 4	< 50	3	7	< 5	1.1	0.5	< 0.5	1.0	0.10	29.3	< 0.2	< 0.5	6	1120	< 2	96	< 2	46	0.002
1071873	1.7	< 0.5	< 4	100	10	26	< 5	2.8	0.6	< 0.5	1.6	0.10	31.0	< 0.2	< 0.5	53	1270	< 2	27	< 2	63	0.201
1071874	< 0.5	< 0.5	< 4	< 50	< 1	12	< 5	2.8	0.7	< 0.5	1.8	0.10	31.6	< 0.2	1.3	183	1380	< 2	49	< 2	85	0.006
1071875	< 0.5	< 0.5	< 4	< 50	6	20	< 5	2.3	0.5	< 0.5	1.9	0.10	30.5	< 0.2	< 0.5	78	977	< 2	48	< 2	85	0.149
1071876	< 0.5	< 0.5	< 4	< 50	3	10	< 5	1.2	0.3	< 0.5	0.9	0.10	31.2	< 0.2	< 0.5	7	1450	< 2	8	3	23	0.003
1071877	< 0.5	< 0.5	< 4	< 50	4	< 3	< 5	2.5	0.5	< 0.5	2.3	< 0.05	26.8	< 0.2	0.9	164	1240	< 2	40	< 2	82	0.065
1071878	< 0.5	< 0.5	< 4	< 50	4	5	< 5	1.8	0.7	< 0.5	1.3	0.10	26.8	< 0.2	0.5	116	1290	< 2	85	< 2	68	0.005
1071879	< 0.5	< 0.5	< 4	< 50	3	< 3	< 5	1.8	< 0.2	< 0.5	1.2	< 0.05	27.7	< 0.2	< 0.5	119	1340	< 2	63	< 2	64	0.008
1071880	29.2	< 0.5	< 4	150	83	125	48	9.3	1.3	< 0.5	< 0.2	0.10	28.8	< 0.2	< 0.5	50	608	< 2	10	8	52	0.022
1071881	< 0.5	< 0.5	< 4	< 50	8	35	< 5	2.6	< 0.2	< 0.5	2.5	0.10	28.3	< 0.2	< 0.5	66	1300	< 2	29	3	82	0.004
1071882	< 0.5	< 0.5	< 4	< 50	4	10	< 5	2.1	0.4	< 0.5	2.0	0.10	29.0	< 0.2	0.7	165	1360	< 2	65	< 2	81	0.099
1071883	< 0.5	< 0.5	< 4	< 50	4	16	< 5	1.8	< 0.2	< 0.5	1.9	< 0.05	28.5	< 0.2	< 0.5	153	1360	< 2	60	< 2	78	0.028
1071884	3.3	< 0.5	< 4	< 50	9	25	< 5	2.5	< 0.2	< 0.5	2.3	0.10	28.8	< 0.2	< 0.5	169	1220	< 2	62	< 2	82	0.006
1071885	< 0.5	< 0.5	< 4	< 50	5	10	48	2.4	1.0	< 0.5	2.4	0.10	27.7	< 0.2	< 0.5	174	1260	< 2	27	< 2	86	0.216
1071886	< 0.5	< 0.5	< 4	240	5	12	< 5	2.1	0.7	< 0.5	1.5	< 0.05	28.8	< 0.2	1.2	133	1790	< 2	30	< 2	81	0.263
1071887	3.0	< 0.5	< 4	< 50	17	39	< 5	2.9	0.9	< 0.5	1.6	0.10	31.3	< 0.2	< 0.5	50	1060	< 2	70	< 2	65	0.001
1071888	68.8	11.1	< 4	< 50	262	681	250	30.6	7.7	< 0.5	1.7	0.10	28.4	< 0.2	< 0.5	23	840	< 2	2	41	84	0.005
1071889	59.7	10.6	< 4	< 50	239	616	200	27.3	7.0	< 0.5	1.9	< 0.05	27.6	< 0.2	< 0.5	17	827	< 2	1	38	70	0.039
1071890	1.7	< 0.5	< 4	< 50	16	60	< 5	3.6	0.8	< 0.5	2.1	0.10	31.3	< 0.2	< 0.5	47	897	< 2	15	< 2	95	0.005
1071891	< 0.5	< 0.5	< 4	< 50	< 1	11	< 5	2.3	< 0.2	< 0.5	2.5	0.10	28.7	< 0.2	< 0.5	162	1690	< 2	35	< 2	88	0.082

QC

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Detection Limit	5	5	2	100	1	1	5	10	2	0.02	1	1	5	5	0.05	50	30	0.2	0.1	5	0.05	0.1	1
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GXR-1 Meas																							
GXR-1 Cert																							
GXR-4 Meas																							
GXR-4 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
SAR-M (U.S.G.S.) Meas																							
SAR-M (U.S.G.S.) Cert																							
DMMAS 116 Meas	1510		1600	1000			45	90		3.12					1.76			6.2	6.6				
DMMAS 116 Cert	1610		1560	1190			41.0	77.0		3.12					1.98			6.80	6.30				
DMMAS 116 Meas	1530		1660	1100			48	80		3.36					1.85			6.9	6.5				
DMMAS 116 Cert	1610		1560	1190			41.0	77.0		3.12					1.98			6.80	6.30				
1071860 Orig																							
1071860 Dup																							
1071874 Orig																							
1071874 Dup																							
1071877 Orig	< 5	< 5	3	< 100	< 1	10	55	50	< 2	8.36	< 1	< 1	< 5	< 5	1.16	< 50	< 30	< 0.2	24.6	< 5	< 0.05	< 0.1	< 1
1071877 Split	< 5	< 5	4	< 100	< 1	9	55	60	< 2	8.23	< 1	< 1	< 5	< 5	1.21	< 50	< 30	< 0.2	25.4	< 5	< 0.05	< 0.1	< 1
1071887 Orig																							
1071887 Dup																							
Method Blank																							
Method Blank	< 5	< 5	< 2	< 100	< 1	< 1	< 5	< 10	< 2	< 0.02	< 1	< 1	< 5	< 5	< 0.05	< 50	< 30	< 0.2	< 0.1	< 5	< 0.05	< 0.1	< 1

QC

Analyte Symbol	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.5	0.5	4	50	1	3	5	0.1	0.2	0.5	0.2	0.05		0.2	0.5	1	2	2	1	2	1	0.001
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas														26.8	2.2	1120	818	13	17	623	669	0.198
GXR-1 Cert														31.0	3.30	1110	852	18.0	41.0	730	760	0.257
GXR-4 Meas														3.3	< 0.5	6260	139	295	31	40	67	1.713
GXR-4 Cert														4.0	0.860	6520	155	310	42.0	52.0	73.0	1.77
GXR-6 Meas														0.3	< 0.5	66	1060	< 2	17	89	119	0.012
GXR-6 Cert														1.30	1.00	66.0	1010	2.40	27.0	101	118	0.0160
SAR-M (U.S.G.S.) Meas														3.5	5.5	334	4670	12	35	1030	998	
SAR-M (U.S.G.S.) Cert														3.64	5.27	331	5220	13.1	41.5	982	930.0	
DMMAS 116 Meas		12.3			16	29		2.0														
DMMAS 116 Cert		11.2			15.9	30.0		2.40														
DMMAS 116 Meas		10.5			17	27		2.8														
DMMAS 116 Cert		11.2			15.9	30.0		2.40														
1071860 Orig														< 0.2	< 0.5	115	1340	< 2	38	< 2	89	0.015
1071860 Dup														< 0.2	0.5	114	1330	< 2	38	< 2	88	0.016
1071874 Orig														< 0.2	1.5	183	1370	< 2	48	< 2	85	0.006
1071874 Dup														< 0.2	1.1	184	1390	< 2	50	2	85	0.006
1071877 Orig	< 0.5	< 0.5	< 4	< 50	4	< 3	< 5	2.5	0.5	< 0.5	2.3	< 0.05	26.8	< 0.2	0.9	164	1240	< 2	40	< 2	82	0.065

Analyte Symbol	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.5	0.5	4	50	1	3	5	0.1	0.2	0.5	0.2	0.05		0.2	0.5	1	2	2	1	2	1	0.001
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1071877 Split	< 0.5	< 0.5	< 4	< 50	5	5	< 5	2.5	< 0.2	< 0.5	2.9	< 0.05	28.0	< 0.2	0.8	163	1230	< 2	42	< 2	80	0.066
1071887 Orig														< 0.2	< 0.5	50	1070	< 2	72	< 2	65	0.001
1071887 Dup														< 0.2	< 0.5	49	1040	< 2	69	< 2	64	0.001
Method Blank														< 0.2	< 0.5	< 1	< 2	< 2	< 1	< 2	< 1	< 0.001
Method Blank	< 0.5	< 0.5	< 4	< 50	< 1	< 3	< 5	< 0.1	< 0.2	< 0.5	< 0.2	< 0.05	30.0									

Plan 1: Overburden Drillhole Collar Locations and Plan

Hole ID	UTM_Z15_Easting	UTM_Z15_Northing	RL	Survey Method	Date Started	Date Complete	Drilling Company
CCO-12-001	446836	5459972	344.98	Garmin 62st	4/20/2012	4/20/2012	Cabo Drilling
CCO-12-002	446949	5459893	344.43	Garmin 62st	4/20/2012	4/20/2012	Cabo Drilling
CCO-12-003	447603	5460356	362.52	Garmin 62st	4/20/2012	4/20/2012	Cabo Drilling
CCO-12-004	446657	5460114	344.24	Garmin 62st	4/20/2012	4/20/2012	Cabo Drilling
CCO-12-005	446490	5460233	347.31	Garmin 62st	4/20/2012	4/21/2012	Cabo Drilling
CCO-12-006	446366	5460377	354.70	Garmin 62st	4/21/2012	4/21/2012	Cabo Drilling
CCO-12-007	446391	5459944	346.23	Garmin 62st	4/22/2012	4/22/2012	Cabo Drilling
CCO-12-008	446240	5460072	357.28	Garmin 62st	4/22/2012	4/22/2012	Cabo Drilling
CCO-12-009	446095	5460209	348.09	Garmin 62st	4/22/2012	4/22/2012	Cabo Drilling
CCO-12-010	445631	5460641	364.60	Garmin 62st	4/22/2012	4/22/2012	Cabo Drilling
CCO-12-011	445791	5460439	359.32	Garmin 62st	4/22/2012	4/22/2012	Cabo Drilling
CCO-12-012	445940	5460337	352.72	Garmin 62st	4/23/2012	4/23/2012	Cabo Drilling
CCO-12-013	445608	5460941	358.10	Garmin 62st	4/23/2012	4/23/2012	Cabo Drilling
CCO-12-014	445759	5460874	364.53	Garmin 62st	4/23/2012	4/23/2012	Cabo Drilling
CCO-12-015	445907	5460747	358.64	Garmin 62st	4/23/2012	4/23/2012	Cabo Drilling
CCO-12-016	446064	5460635	360.30	Garmin 62st	4/23/2012	4/23/2012	Cabo Drilling
CCO-12-017	446217	5460511	359.05	Garmin 62st	4/24/2012	4/24/2012	Cabo Drilling
CCO-12-018	446237	5461212	358.11	Garmin 62st	4/24/2012	4/24/2012	Cabo Drilling
CCO-12-019	446414	5461101	369.79	Garmin 62st	4/24/2012	4/24/2012	Cabo Drilling
CCO-12-020	446202	5460938	353.43	Garmin 62st	4/24/2012	4/24/2012	Cabo Drilling
CCO-12-021	446339	5460805	356.95	Garmin 62st	4/25/2012	4/25/2012	Cabo Drilling
CCO-12-022	446497	5460679	362.19	Garmin 62st	4/25/2012	4/25/2012	Cabo Drilling
CCO-12-023	446654	5460567	355.95	Garmin 62st	4/25/2012	4/25/2012	Cabo Drilling
CCO-12-024	446574	5460995	364.28	Garmin 62st	4/25/2012	4/25/2012	Cabo Drilling
CCO-12-025	446739	5460871	356.84	Garmin 62st	4/25/2012	4/25/2012	Cabo Drilling
CCO-12-026	446910	5460773	346.89	Garmin 62st	4/25/2012	4/25/2012	Cabo Drilling
CCO-12-027A	447086	5460659	348.64	Garmin 62st	4/26/2012	4/26/2012	Cabo Drilling
CCO-12-028	445497	5461258	353.98	Garmin 62st	4/26/2012	4/26/2012	Cabo Drilling
CCO-12-029	445256	5461312	367.18	Garmin 62st	4/26/2012	4/26/2012	Cabo Drilling
CCO-12-030	447246	5460580	357.94	Garmin 62st	4/27/2012	4/27/2012	Cabo Drilling
CCO-12-031	447415	5460474	360.81	Garmin 62st	4/27/2012	4/27/2012	Cabo Drilling
CCO-12-032	446621	5459781	348.41	Garmin 62st	4/27/2012	4/27/2012	Cabo Drilling
CCO-12-033	446692	5459708	342.23	Garmin 62st	4/27/2012	4/27/2012	Cabo Drilling

CCO-12-034	447263	5459636	348.45	Garmin 62st	4/27/2012	4/27/2012	Cabo Drilling
CCO-12-035	447435	5459501	344.87	Garmin 62st	4/28/2012	4/28/2012	Cabo Drilling
CCO-12-036	447127	5459837		Garmin 62st	4/28/2012	4/28/2012	Cabo Drilling
CCO-14-037	446013	5460443		Garmin 62st	4/20/2014	4/20/2014	Cabo Drilling
CCO-14-038	445999	5460511	357.43	Garmin 62st	4/20/2014	4/20/2014	Cabo Drilling
CCO-14-039	445998	5460538	358.31	Garmin 62st	4/20/2014	4/20/2014	Cabo Drilling
CCO-14-040	445896	5460616	357.55	Garmin 62st	4/20/2014	4/20/2014	Cabo Drilling
CCO-14-041	445907	5460659	358.41	Garmin 62st	4/20/2014	4/20/2014	Cabo Drilling
CCO-14-042	446155	5460738	364.48	Garmin 62st	4/20/2014	4/20/2014	Cabo Drilling
CCO-14-043	446128	5460710		Garmin 62st	4/21/2014	4/21/2014	Cabo Drilling
CCO-14-044	446100	5460667	365.23	Garmin 62st	4/21/2014	4/21/2014	Cabo Drilling
CCO-14-045	446018	5460591		Garmin 62st	4/21/2014	4/21/2014	Cabo Drilling
CCO-14-046	445981	5460601		Garmin 62st	4/21/2014	4/21/2014	Cabo Drilling
CCO-14-047	445958	5460633		Garmin 62st	4/21/2014	4/21/2014	Cabo Drilling
CCO-14-048	445931	5460680	359.08	Garmin 62st	4/21/2014	4/21/2014	Cabo Drilling
CCO-14-049	446067	5460896	357.05	Garmin 62st	4/21/2014	4/21/2014	Cabo Drilling
CCO-14-050	446035	5460870	357.96	Garmin 62st	4/22/2014	4/22/2014	Cabo Drilling
CCO-14-051	446001	5460841		Garmin 62st	4/22/2014	4/22/2014	Cabo Drilling
CCO-14-052	445971	5460788		Garmin 62st	4/22/2014	4/22/2014	Cabo Drilling
CCO-14-053	445832	5460696	357.99	Garmin 62st	4/22/2014	4/22/2014	Cabo Drilling
CCO-14-054	445831	5460743	357.72	Garmin 62st	4/22/2014	4/22/2014	Cabo Drilling
CCO-14-055	445868	5460958		Garmin 62st	4/22/2014	4/22/2014	Cabo Drilling
CCO-14-056	445838	5460933		Garmin 62st	4/23/2014	4/23/2014	Cabo Drilling
CCO-14-057	445799	5460895		Garmin 62st	4/23/2014	4/23/2014	Cabo Drilling
CCO-14-058	445735	5460830	361.94	Garmin 62st	4/23/2014	4/23/2014	Cabo Drilling
CCO-14-059	445716	5460792	361.42	Garmin 62st	4/23/2014	4/23/2014	Cabo Drilling
CCO-14-060	445678	5460763		Garmin 62st	4/23/2014	4/23/2014	Cabo Drilling
CCO-14-061	445649	5460747	358.78	Garmin 62st	4/23/2014	4/23/2014	Cabo Drilling
CCO-14-062	445734	5460635	358.77	Garmin 62st	4/23/2014	4/23/2014	Cabo Drilling
CCO-14-063	445721	5460603	359.75	Garmin 62st	4/23/2014	4/23/2014	Cabo Drilling
CCO-14-064	445784	5460561	358.51	Garmin 62st	4/24/2014	4/24/2014	Cabo Drilling
CCO-14-065	445760	5460546		Garmin 62st	4/24/2014	4/24/2014	Cabo Drilling
CCO-14-066	445740	5460419		Garmin 62st	4/24/2014	4/24/2014	Cabo Drilling
CCO-14-067	446161	5460462	354.46	Garmin 62st	4/24/2014	4/24/2014	Cabo Drilling

CCO-14-068	446214	5460787		Garmin 62st	4/24/2014	4/24/2014	Cabo Drilling
CCO-14-069	446230	5460801		Garmin 62st	4/24/2014	4/24/2014	Cabo Drilling
CCO-14-070	446265	5460850	354.91	Garmin 62st	4/24/2014	4/24/2014	Cabo Drilling
CCO-14-071	446299	5460887	354.92	Garmin 62st	4/24/2014	4/24/2014	Cabo Drilling
CCO-14-072	446439	5460743	363.84	Garmin 62st	4/25/2014	4/25/2014	Cabo Drilling
CCO-14-073	446265	5460550	360.78	Garmin 62st	4/25/2014	4/25/2014	Cabo Drilling
CCO-14-074	446288	5460581	363.45	Garmin 62st	4/25/2014	4/25/2014	Cabo Drilling
CCO-14-075	446319	5460608	366.44	Garmin 62st	4/25/2014	4/25/2014	Cabo Drilling
CCO-14-076	446351	5460633	365.62	Garmin 62st	4/25/2014	4/25/2014	Cabo Drilling

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CCO-12-018
CCO-12-019
CCO-12-024
CCO-12-013
CCO-14-055
CCO-14-056
CCO-12-020
CCO-14-057
CCO-14-049
CCO-14-071
CCO-12-014
CCO-14-050
CCO-12-025
CCO-14-058
CCO-14-051
CCO-14-070
CCO-14-059
CCO-14-052
CCO-14-069
CCO-14-068
CCO-12-021
CCO-14-060
CCO-12-026
CCO-14-061
CCO-14-054
CCO-12-015
CCO-14-042
CCO-14-072
CCO-14-043
CCO-14-053
CCO-14-048
CCO-12-022
CCO-14-041
CCO-14-044
CCO-12-027A
CCO-12-010
CCO-14-062
CCO-14-047
CCO-12-016
CCO-14-076
CCO-14-063
CCO-14-040
CCO-14-046
CCO-14-075
CCO-14-045
CCO-14-074
CCO-12-030
CCO-14-064
CCO-14-065
CCO-14-073
CCO-12-023
CCO-14-039
CCO-14-038
CCO-12-017
CCO-12-031
CCO-12-011
CCO-14-037
CCO-14-067
CCO-14-066
CCO-12-006
CCO-12-003
CCO-12-012
CCO-12-005
CCO-12-009
CCO-12-004
CCO-12-008
CCO-12-001
CCO-12-007
CCO-12-002
CCO-12-036
CCO-12-032
CCO-12-033
CCO-12-034A
CCO-12-035

Cameron Gold Operations

Collar Location Map
2012 & 2014 Overburden Drilling Collar Locations

Date: 2/4/2015
Author: K.Wiebe
Office:
Drawing:
Scale: 1:5000
Projection: UTM Zone 15 (NAD 83)

0 75 150 300
metres