ASSESSMENT REPORT

GEOCHEMICAL REPORT ON THE CONUMA PROPERTY

Mineral Tenures
847110, 847111, 84712, 0847113, 847470, 847471, 847472, 899806, 899807, 899809, 902229, 1024030

Alberni Mining Division

NTS Map 092E16W

Centred at:
49° 53' 28"N; 126° 25' 46"W

Mineral Tenure Owner and Operator:
Red Hut Metals Inc.
750 - 580 Hornby Street
Vancouver BC V6C 3B6

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Consultant for Red Hut Metals Inc.

July 31, 2014

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1 Introduction

This report describes mineral exploration field work performed on the group of mineral tenures known as the Conuma property. The report has been written to fulfill the requirements for filing assessment work under the British Columbia Mineral Tenure Act . The exploration program was conducted to follow up on anomalous stream sediment and rocks sample results from a program carried out by Red Hut Metals Inc. during 2011.

The Conuma property comprises eleven claims totaling 5515.14 hectares and is accessible by road from the town of Gold River B.C. west along the Tahsis Road and north on Conuma main logging road for a distance of approximately 44 kilometres. A two-person crew, including the author, carried out the exploration program between April 15 and April 20, 2013. The program consisted of reconnaissance-style geochemical sampling, including rock, stream sediment and stream moss mat samples , in the lower elevations of the property. This exploration program incurred expenses totaling $9,329.91.

Very large angular quartz-rich boulders, up to 2 cubic metres in size, were found near the centre of the property in an abandoned bridge approach. Banded and disseminated sulphide mineralization in these boulders assayed up to 0.24 per cent copper, 0.15 per cent zinc and 4 .0 g/t silver. Further work is recommended for this property including geological mapping, property wide stream sediment sampling and determining the source of the mineralized boulders.

1.1 Geography, Physiography and Access

The Conuma property is an early stage exploration property located in west-central Vancouver Island approximately 85 kilometres west of Campbell River and 21 kilometres northwest of Gold River . (Figure 1). The Conuma property is located within the Alberni Mining Division. The approximate centre of the property is situated at latitude 49° 53 ' N and longitude 126° 25' W within BCGS map areas 92E088, 92E089, 92E098, 92E099 and NTS Map sheet 092E16W.

Figure 1: General Location of Property

The main access to the Conuma property is west along the Tahsis road (paved and gravel road) and north along Conuma main logging road approximately 44 kilometres from the town of Gold River, B.C. (Figure 1). Abundant water is available for exploration and mining from a major stream and its tributaries trending north -south through the centre of the property. Crew lodgings are available in nearby Gold River. The climate of this coastal region is generally wet in the winter and dryer in the summer months, with areas at elevation remaining snow covered from November until June. Constant low pressure systems moving off of the Pacific Ocean causes winter to be the wettest season with average rainfall all year is 2846.7 mm with strong snow accumulations at higher elevations. Exploration programs are best performed during the summer months and early fall due to strong snow packs.

The topography on the Conuma property is characterized by steep mountain slopes with abundant cliffs and "U-shaped" to "V-shaped" valleys. E levations are between approximately 300 m and 1400 m above sea level. A south flowing stream bisects the Conuma property and is flanked by mountains with steep relief. Vegetation consists mainly of dense mixed forest of mature cedar, hemlock, fir and spruce forest below a tree line at approximately 1100 m above sea level. Logging has been abundant on the property, and as a result, a significant proportion of the property is either in cut blocks, or second growth forest with numerous logging roads. Streams are abundant throughout the property.

1.2 Property Definition, History and Economic Consideration

Red Hut Metals Inc. owns 100% interest in eleven claims , shown in Figure 2 , that comprise the Conuma property. The twelve claims, their respective expiry dates and areas (hectares) are listed in Table 1 . The claims cover a total area of 6098.52 hectares centred at approximately latitude 49° 53 ' N and longitude 126° 25 ' W within BCGS map areas 92E088, 92E089, 92E098, 92E099 and NTS Map sheet 092E16W. The corresponding UTM coordinates (NAD 83, Zone 9) for the centre of the Conuma pro perty are: 684800 E 5530500N.

Figure 2: Conuma Property Claim Location Map

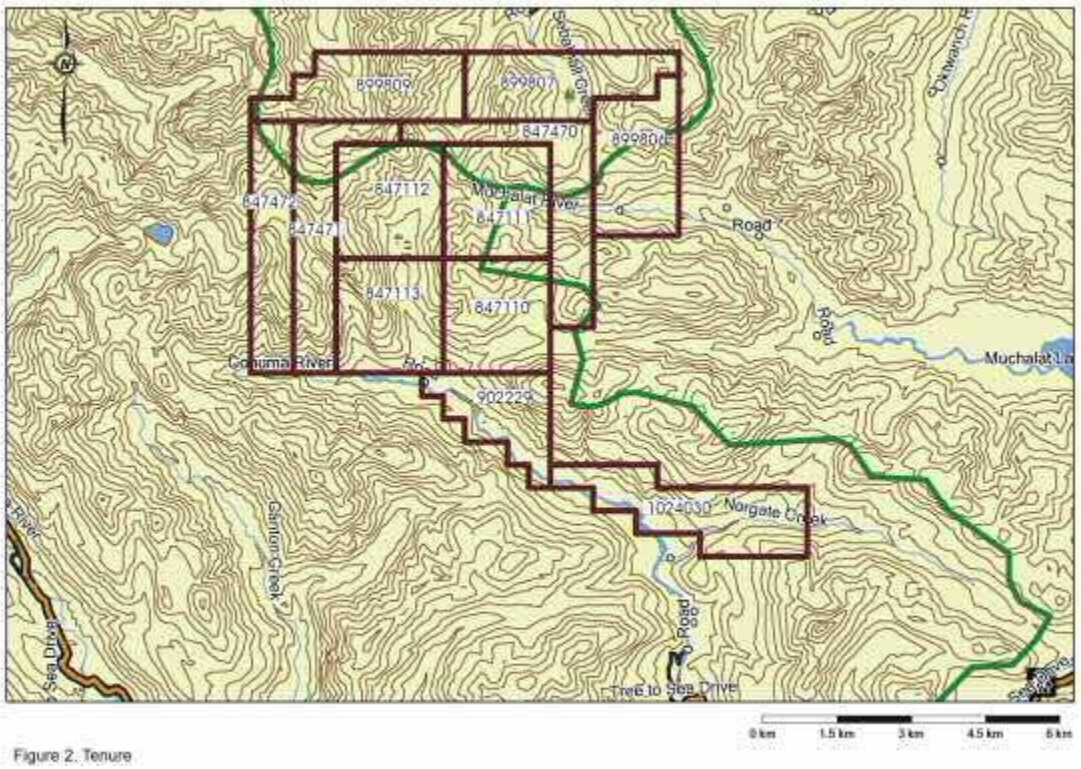


Figure 2. Tenure

Table 1. Mineral Tenure List

Tenure No.	Claim Name	Owner	Good To Date	Area (ha)
847110	CON-1	Red Hut Metals Inc. 271668 (100%)	2014/may/18	520.50
847111	CAM-2	Red Hut Metals Inc. 271668 (100%)	2014/may/18	520.27
847112	CON-3	Red Hut Metals Inc. 271668 (100%)	2014/may/18	520.27
847113	CON-4	Red Hut Metals Inc. 271668 (100%)	2014/may/18	520.48
847470	CON-5	Red Hut Metals Inc. 271668 (100%)	2014/may/18	520.26
847471	CON-6	Red Hut Metals Inc. 271668 (100%)	2014/may/18	520.32
847472	CON-7	Red Hut Metals Inc. 271668 (100%)	2014/may/18	457.90
899806	CON-8	Red Hut Metals Inc. 271668 (100%)	2014/may/18	520.19
899807	CON-9	Red Hut Metals Inc. 271668 (100%)	2014/may/18	520.01
899809	CON-10	Red Hut Metals Inc. 271668 (100%)	2014/may/18	520.05
902229	CON-11	Red Hut Metals Inc. 271668 (100%)	2014/may/18	374.90
1024030	NORGATE	Red Hut Metals Inc. 271668 (100%)	2014/may/18	583.36
			TOTAL	6098.52

MINFILE occurrence 092E 083 "Norgate Creek" lies within tenure 1024030 and the Dragon developed prospect (MINFILE 092E 072) occurs approximately 4.7 kilometres to the east of the Conuma . These prospects have received a considerable amount of exploration and are considered to host mineralization similar to that found at the Myra Falls mine, located 66 kilometres to the southeast, where Zn, Pb, Cu, Au and Ag are mined. A search of British Columbia Assessment Reports at www.MapPlace.ca concludes that a records exist documenting that parts of the specific area of the Conuma property have been actively explored . During 1999 and 2000 Prospector Efrem Specogna reported mineralization in the Conuma Valley. Rock sampling identified molybdenite, chalcopyrite and pyrrhotite within quartz veinlets and veins hosted in volcanic rocks (Specogna, 2000).

A search of "Tenure (history)" at the Mineral Titles Online (www.mtonline.gov.bc.ca) web site shows that Lucia Specogna and Hard Creek Nickel Corp. held a mineral tenure in this general area up until 2006 and 2007, respectively. The mineral claims eventually lapsed and where re-staked by Piotr Lutynski in February 21, 2011. Between September 22 and 25, 2011 a bill of sale was initiated and completed that transferred a 100% ownership to Robert Eadie (ownership held in Trust by Robert Eadie for Red Hut Metals Inc.). On September 23 and 28, 2011 four more claims were acquired by Piotr Lutynski and a 100% ownership was transferred (Sept. 26 and 28, 2011) to Robert Eadie (ownership held in Trust by Robert Eadie for Red Hut Metals Inc.). On July 3, 2012 the tenure ownership went from Robert Eadie to Red Hut Metals Inc. On November 27, 2013, 28 cells were staked as the Norgate claim and are contiguous to the Conuma claim block.

Red Hut Metals Inc. carried out exploration programs on the Conuma property during March 31 and April 1, 2011 and from July 10 to July 18, 2011 (Malahoff, 2012). The exploration programs consisted of reconnaissance-style geological mapping, prospecting and geochemical sampling (rocks and silts). A total of 35 float (not from outcrop), 7 continuous chip (from outcrop), 7 grab (from outcrop) rock samples and 27 silt samples were collected. This work outlined new mineral occurrences, geochemical anomalies with assays up to 1.69 g/t gold, 13.0 g/t silver, 0.72% copper, 0.04% lead and 0.21% zinc from a float sample (986282: Quartz veinlet). In addition, a helicopter airborne magnetic survey was conducted over a northeast region of the Conuma property on November 19, 2011. Results of the airborne magnetic survey indicate an area of high magnetic frequency within the central part of the survey block. Magnetic highs could be attributed to intrusive units and the magnetic lows mapping sedimentary units.

The labour force on this part of the Vancouver Island is generally employed in the forestry, service and tourism industries. There is a significant operating mine in the region: Myra Falls Mine (Volcanogenic Massive Sulphide: Zn, Pb, Cu, Ag, Au) at the south end of Buttle Lake approximately 66 kilometres southeast of the Conuma property . It is operated by Nyrstar and employs about 253 people, most of who live in Campbell River and commute the 90 kilometres to the mine.

1.3 Tenure on which Work Occurred

Stream sediment, stream moss mat, rock sampling , soil sampling and geological observations were carried out on Conuma Property mineral tenure number 1024030. All of the Conuma Property mineral tenures are contiguous.

1.4 Summary of Work

Three people spent eight days working on the Conuma Property and one day was spent travelling. Seven rock samples, 154 soil samples, 19 moss mat samples and 2 stream silt samples were collected in the lower elevations of the property and geological observations were collected at numerous sites. Various property access routes were investigated, stream crossings were examined and logistical considerations were made for future field programs.

2 Geological Setting

2.1 Regional Geology

Vancouver Island is part of the Insular Super-Terrane of western British Columbia that consists of the Wrangellia, Crescent and Pacific Rim Terranes. Vancouver Island is dominated by rocks of the Wrangellia Terrane that was produced by the collision and accretion with the North American continent during the Jurassic and Cretaceous periods. (Figure 3).

The Wrangellia is comprised of a multi-episodic, Devonian and younger volcanic arcs that extend from southern Vancouver Island to south-central Alaska (Ruks, T., Mortensen, J.K., and Cordey, F. 2010). Regional-scale compression of the Vancouver Island rocks produced several distinct uplifts, including the Cowichan, Nanoose, Buttle Lake and Bedingfield uplifts (Ruks et al., 2009). The oldest rocks of Wrangellia are exposed at the top of an imbricated stack of northeast-dipping thrust sheets and are Late Silurian to Early Permian arc sequences (Greene, Scoates and Weis, 2005).

Vancouver Island has undergone at least six periods of deformation giving rise to a broad antiform structure with a northwesterly axis (Massey and Friday, 1987).
The Conuma property lies within the Wrangellia Terrane, a part of the Insular tectonic belt. The Wrangellia Terrane is composed of Late Devonian to Early Jurassic multi-episodic arc terrane consisting of volcanic, sedimentary plus related plutonic suites.

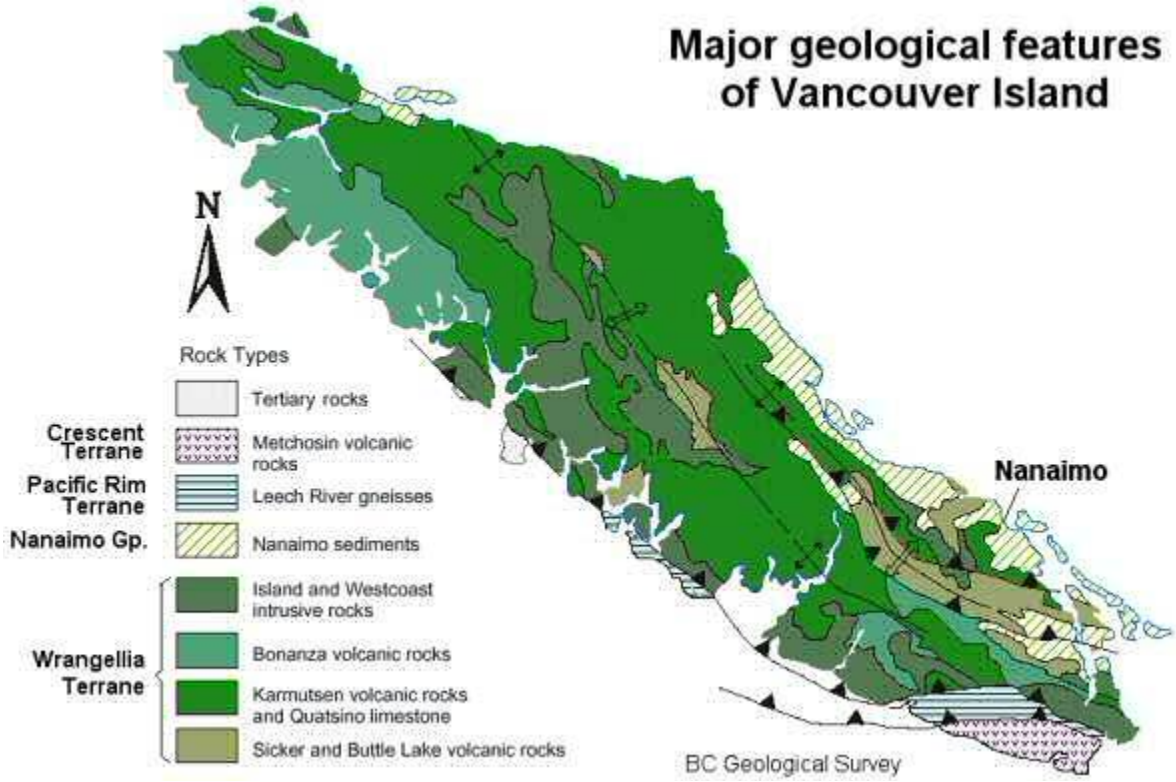


Figure 3: Regional Geology

2.2 Property Geology

The Conuma property is situated in the Wrangellia Terrane which is made up four main rock types consisting of metamorphic, volcanic, sedimentary and intrusive rocks and three main volcano-sedimentary cycles. The oldest cycle consists of volcanic rocks of the mid Paleozoic Sicker Group which are interpreted to represent the development of a Late Devonian oceanic island arc which is associated with several cycles of economically significant volcanogenic massive sulphide mineralization (Ruks et al., 2009). This arc unit (Sicker Group) is conformably overlain by sedimentary rocks of the Mississippian through Permian Buttle Lake Group. The second cycle is made up of tholeiitic basalts and sedimentary rocks of the Middle to Upper Triassic Karmutsen Formation which is overlain by shallow-water limestones of the Upper Triassic Quatsino Formation. The third cycle is made up of volcanic and sedimentary rocks of the Lower Jurassic Bonanza Group, which includes deeper water argillites and mudstones of the Parson Bay Formation and andesitic-rhyolitic volcanics of the Bonanza Formation. These three main volcano-sedimentary cycles have been intruded by Early to Middle Jurassic granites and granodiorites belonging to the Island Intrusive Suite and metamorphic rocks of the Westcoast Crystalline Complex.

The Conuma property itself is underlain by Paleozoic sedimentary rocks of the Buttle Lake Group and widespread Mesozoic volcanic rocks of the Middle to Upper Triassic Karmutsen Formation. These rocks are intruded by granitic rocks of the Early to Middle Jurassic Island Plutonic Suite and probable metamorphic rocks of the Paleozoic to Jurassic Westcoast Crystalline Complex. The region is known for volcanogenic massive sulphide

deposits such as the operating Myra Falls Mine. The Conuma Property is an early stage exploration property prospective for potential volcanogenic massive sulphide style gold, silver, copper, lead and zinc mineralization.

The local and property geology of the Conuma property (Figure 4) is outlined from the Digital Geology Map of British Columbia from the B.C. Ministry of Energy, Mines and Petroleum Resources, and the following information is derived from this map (www.Maplace.ca) and a 2011 exploration program carried out on the Conuma property.

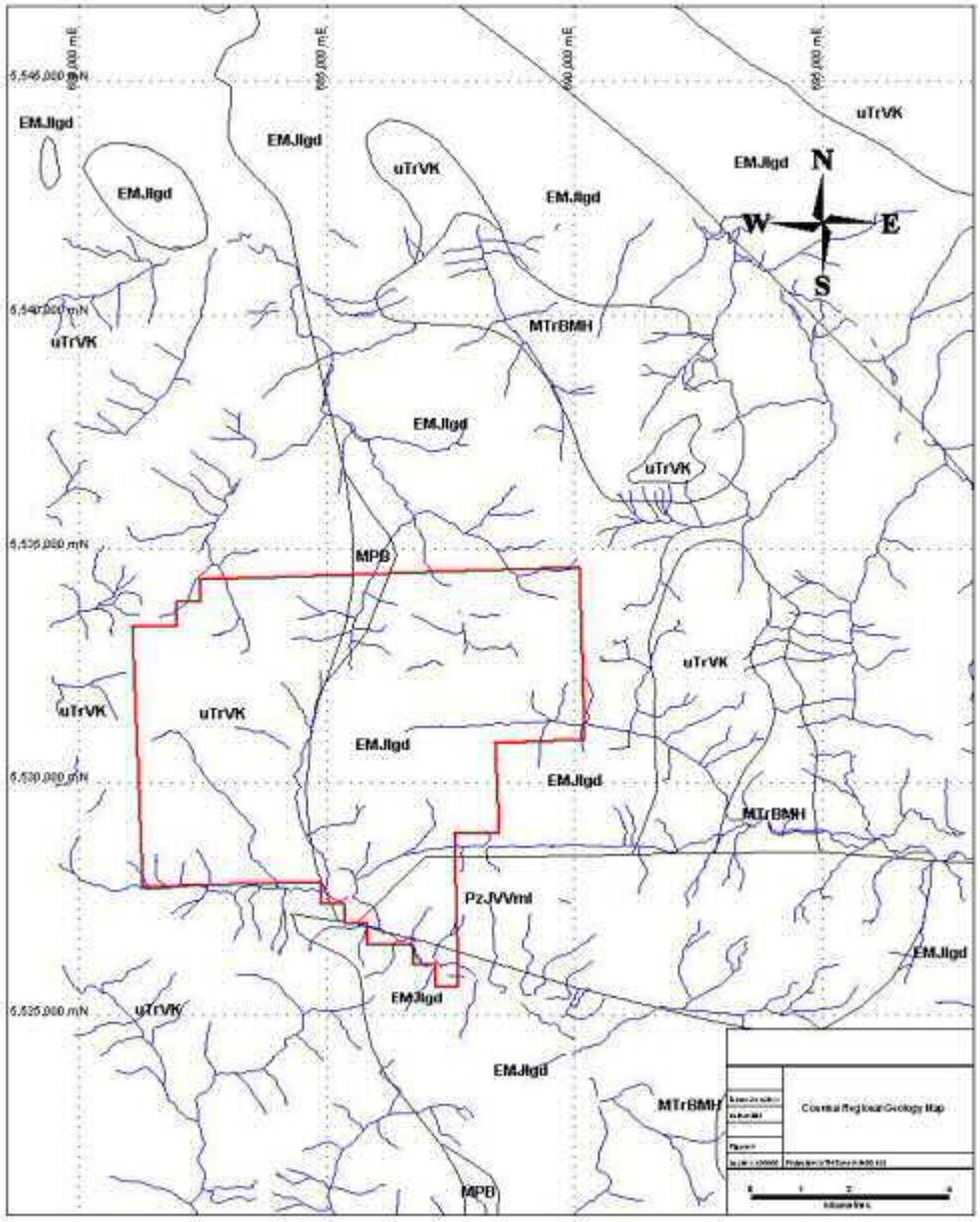


Figure 4: Property Geology (from www.Maplace.ca)

Legend for Figure 4:
EMJlgd: Early Jurassic to Middle Jurassic Island Plutonic Suite - Granitic intrusive rocks consisting of granodiorite, quartz diorite, quartz monzonite, diorite, feldspar porphyry and minor gabbro and aplite.
PzJVVml: Paleozoic to Jurassic Westcoast Crystalline Complex – metamorphic rocks including amphibolites.
uTrVK: Middle Triassic to Upper Triassic Karmutsen Formation - basaltic volcanic including basalt pillowed flows, pillowed breccias, hyaloclastite tuff, massive amygdaloidal flows, and minor tuffs.
MPB: Mississippian to Lower Permian Buttle Lake Group - sedimentary rocks including limestone, greywacke, argillite and chert.
Symbols
Geological Contacts (assumed): grey lines
Conuma Claim Boundary: red lines
Streams and Creeks: blue lines

The youngest rocks within the local region are Early to Middle Jurassic Island Plutonic Suite (EMJlgd) consisting of granodiorite, quartz diorite, quartz monzonite, diorite, feldspar porphyry and minor gabbro and aplite (Massey et al., 2005). Based on limited reconnaissance geological mapping the Early to Middle Jurassic Island Plutonic Suite is found as dykes throughout the property, and as larger bodies on the eastern ha lf of the claim group.
The dykes are of granitic to feldspar porphyry in composition and are generally medium grained with weak chlorite and epidote alteration. The larger intrusive bodies consist of diorite to granodiorite and are generally medium grained with weak propylitic alteration (chlorite, epidote in part). Paleozoic to Jurassic Westcoast Crystalline Complex (PzJVVml) amphibolite metamorphic rocks are within the local area but were not observed on the claims in areas mapped (Massey et al., 2005). Secondly, Middle to Upper Triassic Karmutsen Formation (uTrVK) basaltic volcanic rocks are made up of basalt pillowed flows, pillow breccias, hyaloclastite tuff, massive amygdaloidal flows, minor tuffs, interflow sediments and limestone lenses.

Reconnaissance mapping in 2011 (Malahoff 2102) identified abundant massive basaltic volcanic rocks consisting of flows, possible pillows and minor tuffs , which are common in the western half o f the Conuma property . The basaltic volcanic rocks are typically fine grained, weakly to moderately magnetic with weak to moderate chlorite alteration in part. The basaltic volcanic rocks are moderately to strongly gossanous especially in outcrops along a northerly trending principle central stream on the Conuma property that is interpreted to be a major geological structure on the property. Numerous crosscutting quartz veinlets are common within the Karmutsen basaltic volcanics. The oldest rocks recognized in the region are Mississippian to Lower Permian Buttle Lake Group (MPB) sedimentary rocks consisting of limestone, greywacke, argillite and chert.

Reconnaissance mapping in 2011 identified small packages of sediments pinched between bodies of granitic intrusions (EMJlgd) on the east side of the Conuma property. The sediments consist of a fine grained, dark grey to black argillite that is gossanous in part with trace pyrrhotite and pyrite.

In general it is interpreted that the basaltic volcanic rocks host polymetallic quartz veinlets with anomalous assays for gold, silver, copper, lead, zinc and molybdenite on the Conuma property. These veinlets may be part of a quartz stockwork zone that underlies a volcanogenic massive sulphide lens.

3 Conuma 2014 Exploration

A three-person crew carried out the exploration program between April 22 and May 1, 2014. The program consisted of grid-style geochemical sampling, including rock, stream sediment and stream moss mat samples, in the lower elevations of the property. Two soil sampling grids were created using hand-held Garmin GPS units. These grids were situated over airborne geophysical EM highs that were determined during Paget Resources Corp's. survey (Luckman, 2008). One is situated directly south of the Norgate occurrence and the other is located west of the Norgate on the east side of the Conuma River.

Seven rock samples, 154 soil samples, 19 moss mat samples and 2 stream silt samples were collected (Appendix 3) in the lower elevations of the property and geological observations were collected at numerous sites. Rock, stream sediment (silt) and moss mat (silt) sample sites were marked with flagging tape and scribed aluminum "butter-soft" tags labelled with the sample number. Rock and moss mat samples and sample tags were placed in poly-ore bags and sealed with flagging tape. Stream sediment samples and sample tags were placed in poly-weave bags. Sample locations were recorded by GPS, given a UTM grid designation using the NAD 83 datum. All samples were taken directly to Acme to Vancouver, BC where they were analyzed for 36-element ICP-MS with a Group 1DX1 and 3B01 for rock and 1DX2 for silt analyses. For details on analytical methods and procedures see Appendix 1.

4 Technical Data and Interpretation

An interpreted north-south trending structure, occupied by a south flowing tributary of the Conuma River, may be a locus for mineralizing fluids in this area. It is possible, given the large angular quartz-rich boulders located, that a strong system of mineralized quartz veins cut basaltic Karmutsen volcanic rocks in this valley. In general it is interpreted that the basaltic volcanic rocks host polymetallic quartz veinlets with anomalous assays for gold, silver, copper, lead, zinc and molybdenite on the Conuma property. These veins may be part of a quartz stockwork zone that may be related to a volcanogenic massive sulphide lens.
The east trending Norgate River valley may also be a conduit for ore forming fluids. Rocks mapped as Paleozoic Sicker Group outcrop in the vicinity of the Norgate prospect where VMS style mineralization has the greatest potential.

5 Conclusion & Recommendations

Mapping and sampling on the Conuma Property has identified areas of mineralization that require additional work. Exploration by Red Hut Metals in 2011 identified geochemical anomalies with assays up to 1.69 g/t gold, 13.0 g/t silver, 0.72% copper, 0.04% lead and 0.21% zinc from a float sample (986282: Quartz veinlet) (Malahoff 2012). Detailed mapping and sampling should be carried out in this area later in the season when snow levels are higher. Special attention should be given to areas near faults, fractures, dyke swarms and contacts with volcanic and sedimentary rocks. The area around the bridge approach that contains mineralized boulders should be prospected and sampled in order

to determine the source of the boulders. The borrow pit near the site should be excavated to bedrock. Detailed mapping and sampling should be carried out over the Norgate Creek occurrence. In addition, more soils samples and prospecting should occur where anomalous copper values (up to 454 ppm).
It is the opinion of the author that the favourable geological setting and results of the work done to date continues show that the Conuma property has the potential to host economic mineralization.

6 Statement of Costs

Table 2. Itemized Cost Statement

Statement of Expenditure for Conuma Project: April 22 – May 1, 2014				
Labour-Contract	**Rate**	**Dates**	**Number of Units**	**Cost**
Ian Webster P.Geo. Geologist	$500.00	**April 22 –May 1, 2014**	10	$5,000.00
Brendan Smithwick E.I.T. sampler	$225.00	**April 22 –May 1, 2014**	10	$2,225.00
Andrew Marsh, sampler	$225.00	**April 22 –May 1, 2014**	10	$2,225.00
Administration 5%		**April 22 –May 1, 2014**	1	$472.00
Accommodation & meals (3 people)	$307.93	**April 22 –May 1, 2014**	10	$3,079.28
Transportation & Rental	$122.26	**April 22 –May 1, 2014**	10	$1,135.00
Field Supplies	$75.00	**April 22 –May 1, 2014**	10	$75.00
Assays Soils 1DX2	$23.52	**April 22 –May 1, 2014**	175	$4,116.00
Assays Rock 1DX1	$41.43	**April 22 –May 1, 2014**	7	$290.00
Assessment Report and maps		**April 22 –May 1, 2014**	1	$2,500.00
Program Total				**$21,117.28**

7 References

Malahoff, B (2012): Geological, Geochemical and Geophysical Technical Report on the Conuma Property; British Columbia Ministry of Energy and Mines, Assessment Report 32690.

Specogna, E (2000): Prospecting Report on Elisir; British Columbia Ministry of Energy and Mines, Assessment Report 26394.

Ruks, T.W. (2007) : Dragon Property Geological Mapping Compilation and Air Photo Interpretation, British Columbia Ministry of Energy and Mines, Assessment Report 29189.

Greene A.R., Scoates J.S. and Weis D. (2005): Wrangellia Terrane on Vancouver Island: Distribution of Flood basalts with implications for potential Ni-Cu PGE mineralization in southwestern British Columbia; *in* Geological Fieldwork 2004, B.C. Ministry of Energy and Mines, Paper 2005-1, pages 209-220.

Luckman, N. (2008): Airborne Geophysical Survey on the Dragon Property; British Columbia Ministry of Energy and Mines, Assessment Report 30319.

Massey, N.W.D. and Friday, S.J. (1989) : Geology of the Alberni-Nanaimo Lakes Area, Vancouver Island (92 F/1W, 92F/2E and part of 92F/7); *in* Geological Fieldwork 1988; B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1989-1, pages 61-74.

Ruks, T., Mortensen, J.K. and Cordey, F. (2009) : Preliminary results of geological mapping, uranium-

lead zircon dating, and micropaleontological and lead isotopic studies of volcanogenic massive sulphide-hosting stratigraphy of the Middle and Late Paleozoic Sicker and Lower Buttle Lake groups on Vancouver Island, British Columbia (NTS 092B/13, 092C/16, 092E/09, /16, 092F/02,/07); *in* Geoscience BC Summary of Activities 2008, Geoscience BC, Report 2009-1, pages 103-122.

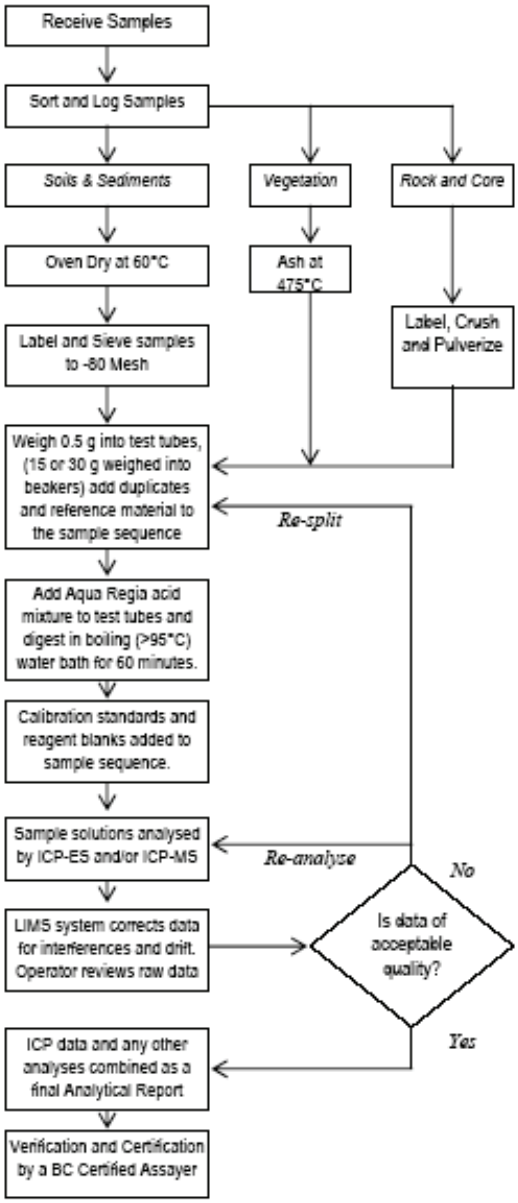
1 Appendix 1

Sample Preparation and Analyses

ACME ANALYTICAL LABORATORIES LTD.

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1D & 1DX – ICP & ICP-MS ANALYSIS – AQUA REGIA

Analytical Process



Comments

Sample Preparation

All samples are dried at 60°C. Soil and sediment are sieved to -80 mesh (-180 µm). Moss-mats are disaggregated then sieved to yield -80 mesh sediment. Vegetation is pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 85% passing 200 mesh (75 µm) in a mild-steel ring-and-puck mill. Pulp splits of 0.5 g are weighed into test tubes, 15 and 30 g splits are weighed into beakers.

Sample Digestion

A modified Aqua Regia solution of equal parts concentrated ACS grade HCl and HNO_3 and de-mineralised H_2O is added to each sample to leach for one hour in a heating block or hot water bath (>95°C). After cooling the solution is made up to final volume with 5% HCl. Sample weight to solution volume is 1 g per 20 mL.

Sample Analysis

Group 1D: solutions aspirated into a Spectro Ciros Vision or Varian 735 emission spectrometer are analysed for 30 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

Group 1DX: solutions aspirated into a Perkin Elmer Elan 6000/9000 ICP mass spectrometer are analysed for 36 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, *Ga*, *Hg*, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, *S*, Sb, *Sc*, *Se*, *Tl*, Sr, Th, Ti, U, V, W, Zn.

Quality Control and Data Verification

QA/QC protocol incorporates a sample-prep blank (G-1) as the first sample in the job which is carried through all stages of preparation to analysis. An Analytical Batch comprises 36 client samples and incorporates a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), a reagent blank to measure background and aliquots of in-house Reference Material like STD DS7. Data undergoes a final verification by a British Columbia Certified Assayer who then validates results before it is released to the client.

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AcmeLabs ACME ANALYTICAL LABORATORIES LTD.

Group 1D, 1DX ICP-ES & ICP-MS DETECTION LIMITS

	Group 1D Detection	Group 1DX Detection	Upper Limit
Ag	0.3 ppm	0.1 ppm	100 ppm
Al*	0.01 %	0.01 %	10 %
As	2 ppm	0.5 ppm	10000 ppm
Au	2 ppm	0.5 ppb	100 ppm
B*^	20 ppm	20 ppm	2000 ppm
Ba*	1 ppm	1 ppm	10000 ppm
Bi	3 ppm	0.1 ppm	2000 ppm
Ca*	0.01 %	0.01 %	40 %
Cd	0.5 ppm	0.1 ppm	2000 ppm
Co	1 ppm	0.1 ppm	2000 ppm
Cr*	1 ppm	1 ppm	10000 ppm
Cu	1 ppm	0.1 ppm	10000 ppm
Fe*	0.01 %	0.01 %	40 %
Ga*	-	1 ppm	1000 ppm
Hg	1 ppm	0.01 ppm	100 ppm
K*	0.01 %	0.01 %	10 %
La*	1 ppm	1 ppm	10000 ppm
Mg*	0.01 %	0.01 %	30 %
Mn*	2 ppm	1 ppm	10000 ppm
Mo	1 ppm	0.1 ppm	2000 ppm
Na*	0.01 %	0.001 %	10 %
Ni	1 ppm	0.1 ppm	10000 ppm
P*	0.001 %	0.001 %	5 %
Pb	3 ppm	0.1 ppm	10000 ppm
S	-	0.05 %	10 %
Sb	3 ppm	0.1 ppm	2000 ppm
Sc	-	0.1 ppm	100 ppm
Se	-	0.5 ppm	100 ppm
Sr*	1 ppm	1 ppm	10000 ppm
Th*	2 ppm	0.1 ppm	2000 ppm
Ti*	0.01 %	0.001 %	10 %
Tl	5 ppm	0.1 ppm	1000 ppm
U*	8 ppm	0.1 ppm	2000 ppm
V*	1 ppm	2 ppm	10000 ppm
W*	2 ppm	0.1 ppm	100 ppm
Zn	1 ppm	1 ppm	10000 ppm

* Solubility of some elements will be limited by mineral species present.
^Detection limit = 1 ppm for 15g / 30g analysis.

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Advanced Technology

AGAT Laboratories operates leading edge instrumentation to report the highest number of elements coupled with the lowest detection limits in the industry. After the elements of interest have been solubilized, they may be analyzed using mass spectroscopy, emission spectroscopy or atomic absorption. Inductively coupled plasma and flame atomic absorption instrumentation are fully automated to provide timely and cost-effective choices in multielemental trace analysis. We also offer cold vapour atomic absorption for mercury (Hg) analysis, and classical wet techniques for high precision mineralization assays.

Precious Metals Analysis

Many techniques can be used for precious metal analysis. Whether the requirement is for ore-grade analysis or high-volume baseline fire assay gold exploration work, customers enjoy the advantage of AGAT Laboratories' vast expertise in silver, gold, and PGE determinations. Procedures for precious metal analysis include a combination of lead collection fire assay and either an ICP, AAS, or gravimetric finish. Precious metal determination is also available by Aqua Regia Digestion (this is often suitable when analyzing stream sediment or soil samples). 50g fusion weights are also available.

Gold Analysis

Trace Levels			
Code	Description	Weight	Range (ppm)
202051	Au by Fire Assay, AAS Finish	30g	0.002 - 10
202052	Au by Fire Assay, ICP-OES Finish	30g	0.001 - 10
202053	Au by Fire Assay, ICP-MS Finish	30g	0.001 - 1
202054	Au by Aqua Regia Digest, ICP-MS Finish	30g	0.00005 - 0.01
Ore Grade			
202061	Au by Fire Assay, AAS Finish	30g	0.01 - 100
202062	Au by Fire Assay, ICP-OES Finish	30g	0.01 - 100
202064	Au by Fire Assay, Gravimetric Finish	30g	0.05 - 1,000
Concentrate Levels			
202068	Au by Fire Assay, Gravimetric Finish	30g	0.07 - 500
202120	Au by Metallic Screen, Fire Assay Finish	30g	0.05 - 1,000

Aqua Regia Digest Packages

This leach consists of treating samples with a 3:1 hot mixture of hydrochloric and nitric acids. Aqua Regia's rapid oxidizing properties make it an excellent option for the breakdown of sulfide minerals and iron oxides. These cost-effective packages are initiated with an Aqua Regia digestion, and are followed by either ICP-OES or ICP/ICP-MS finish. For base metal results that are over the reporting limits, we also offer 24 hr base metal packages using AAS.

- **201073:** Metals Package by Aqua Regia Digest, ICP-OES Finish
- **201173:** Metals Package by Aqua Regia Digest, ICP-OES Finish (larger weight digestion)
- **201074:** Metals Package by Aqua Regia Digest, ICP/ ICP-MS Finish
- **201174:** Metals Package by Aqua Regia Digest, ICP/ICP-MS Finish (larger weight digestion)
- **201075:** Base Metal 24 Hour Overlimit by Aqua Regia Digest, AAS Finish
- **201090:** Metals Package by Aqua Regia Digest, ICP-OES Finish with Hg-CVAA
- **201273:** Ore Grade Metals Package by Aqua Regia Digest, ICP-OES Finish (Analytical Range supplied upon request)
- **201274:** Ore Grade Metals Package by Aqua Regia Digest, ICP/ICP-MS Finish (Analytical Range supplied upon request)

Aqua Regia Multi-Elemental Scan Ranges (ppm)					
Analyte	ICP-OES	ICP-OES/ ICP-MS	Analyte	ICP-OES	ICP-OES/ ICP-MS
Ag	0.2 - 100	0.01 - 100	Mn	1 - 50,000	1 - 50,000
Al	0.01 - 25%	0.01 - 25%	Mo	0.5 - 10,000	0.05 - 10,000
As	1 - 10,000	0.1 - 10,000	Na	0.01 - 10%	0.01 - 10%
Au*	-	0.01 - 25	Nb	-	0.05 - 500
B	5 - 10,000	5 - 10,000	Ni	0.5 - 10,000	0.2 - 10,000
Ba	1 - 10,000	1 - 10,000	P	10 - 10,000	10 - 10,000
Be	0.5 - 1,000	0.05 - 1,000	Pb	0.5 - 10,000	0.1 - 10,000
Bi	1 - 10,000	0.01 - 10,000	Rb	10 - 10,000	0.1 - 10,000
Ca	0.1 - 25%	0.01 - 25%	Re	-	0.001 - 50
Cd	0.5 - 1,000	0.01 - 1,000	S	0.005 - 10%	0.005 - 10%
Ce	1 - 10,000	0.01 - 10,000	Sb	1 - 10,000	0.05 - 10,000
Co	0.5 - 10,000	0.1 - 10,000	Sc	0.5 - 10,000	0.1 - 10,000
Cr	0.5 - 10,000	0.5 - 10,000	Se	10 - 10,000	0.2 - 10,000
Cs	-	0.05 - 1,000	Sn	5 - 1,000	0.2 - 1,000
Cu	0.5 - 10,000	0.1 - 10,000	Sr	0.5 - 10,000	0.2 - 10,000
Fe	0.01 - 50%	0.01 - 50%	Ta	10 - 1,000	0.01 - 1,000
Ga	5 - 10,000	0.05 - 10,000	Te	10 - 1,000	0.01 - 1,000
Ge	-	0.05 - 500	Th	5 - 10,000	0.1 - 10,000
Hf	-	0.02 - 500	Ti	0.01 - 10%	0.005 - 10%
Hg	1 - 10,000	0.01 - 10,000	Tl	5 - 10,000	0.02 - 10,000
Hg - CVAA	0.01 - 100	-	U	5 - 10,000	0.05 - 10,000
In	1 - 1,000	0.005 - 1,000	V	0.5 - 10,000	0.5 - 10,000
K	0.01 - 10%	0.01 - 10%	W	1 - 10,000	0.05 - 10,000
La	1 - 10,000	0.1 - 10,000	Y	1 - 1,000	0.05 - 1,000
Li	1 - 10,000	0.1 - 10,000	Zn	0.5 - 10,000	0.5 - 10,000
Mg	0.01 - 25%	0.01 - 25%	Zr	5 - 1,000	0.5 - 1,000

2 Appendix 2

Sample Number	Sample type	Sampler	Date	UTM Zone 9 NAD83 Easting	UTM Zone 9 NAD83 Northing	Depth (cm)	Colour	Size fraction	Clast Size	Clast Shape	% Clasts	Comments	Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1
E5396310	soil	B. Smithwick	26-Apr-14	689798	5525104	25	Light brown	silty					0.3	41.4	5.7	73	0.1	33.2
E5396311	soil	B. Smithwick	26-Apr-14	689825	5525107	15	Light brown	silty					0.6	46.1	6.6	96	0.4	36.1
E5396312	soil	B. Smithwick	26-Apr-14	689844	5525104	12	Light brown	Silty loamy					0.5	39.6	7.3	79	0.3	34.4
E5396313	soil	B. Smithwick	26-Apr-14	689872	5525099	20	Light brown	sandy silty					0.4	35.9	6.6	77	0.3	33.4
E5396314	soil	B. Smithwick	26-Apr-14	689899	5525101	15	Light brown	silty					0.9	50.2	12.7	114	0.2	37.0
E5396315	soil	B. Smithwick	26-Apr-14	689925	5525100	10	Dark brown	loamy				hit rock	0.5	18.2	8.5	52	0.2	14.8
E5396316	soil	B. Smithwick	26-Apr-14	689969	5525103	20	Light brown	Silty loamy				From stream bank	0.4	42.0	7.1	77	0.4	37.1
E5396317	soil	B. Smithwick	26-Apr-14	689990	5525100	15	Brown	sandy					0.5	40.1	7.7	80	0.3	35.4
E5396318	soil	B. Smithwick	26-Apr-14	690021	5525099	8	Dark brown	loamy	3-6 cm	Angular	5		1.1	20.3	9.1	58	0.2	16.3
E5396319	soil	B. Smithwick	26-Apr-14	690045	5525094	30	Red dark bro	loamy	5 cm	Angular	5		1.3	12.2	3.4	21	0.2	5.2
E5396320	soil	B. Smithwick	26-Apr-14	690070	5525096	15	Brown	Sandy					1.3	27.2	6.8	67	0.3	15.3
E5396321	soil	B. Smithwick	26-Apr-14	690096	5525099	15	Brown	loamy	5 cm	Angular	7		1.4	29.8	6.4	53	0.2	12.5
E5396322	soil	B. Smithwick	26-Apr-14	690123	5525104	15	Light brown	Sandy					1.3	27.0	6.5	59	0.3	14.8
E5396323	soil	B. Smithwick	26-Apr-14	690147	5525102	10	Brown	Sandy	10-15 cm	Angular	15	Road Base	0.8	32.3	5.0	50	0.1	13.8
E5396324	soil	B. Smithwick	26-Apr-14	690168	5525091	15	Brown	Sandy/loamy				Roots, forest	1.7	25.7	5.7	68	0.2	14.7
E5396325	soil	B. Smithwick	26-Apr-14	690203	5525099	13	Dark brown	loamy	2-3 cm	Angular	5	Roots	1.4	16.4	5.2	16	0.1	3.6
E5396326	soil	B. Smithwick	26-Apr-14	690222	5525095	25	Dark brown	loamy	1-3 cm	Angular	2	Really swampy, light smell of sulphur	3.3	25.8	5.6	34	0.2	8.1
E5396327	soil	B. Smithwick	26-Apr-14	690248	5525099	20	Light brown	Silty sandy	1-5 cm	Angular	10		1.4	24.2	5.4	29	0.1	8.5
E5396328	soil	B. Smithwick	26-Apr-14	690269	5525105	20	Light brown	sandy silty	1 cm	Angular	2		1.6	21.6	8.6	33	<0.1	4.9
E5396329	soil	A. Marsh	27-Apr-14	689598	5525244	20	Brown	loamy clay					0.9	42.3	9.8	99	0.3	36.1
E5396330	soil	A. Marsh	27-Apr-14	689628	5525248	15	Light brown	sandy silty					0.7	20.8	5.9	62	0.1	42.9
E5396331	soil	A. Marsh	27-Apr-14	689652	5525253	25	Brown	Silty loamy					1.1	36.0	8.9	98	0.3	36.0
E5396332	soil	A. Marsh	27-Apr-14	689681	5525250	15	Light brown	Sandy/loamy					0.7	32.3	8.4	88	0.3	49.5
E5396333	soil	A. Marsh	27-Apr-14	689702	5525253	20	Brown	Sandy/loamy					0.8	29.5	8.3	92	0.2	37.5
E5396334	soil	A. Marsh	27-Apr-14	689726	5525250	30	Light brown	sandy silty					0.4	20.7	6.5	66	0.2	33.7
E5396335	soil	A. Marsh	27-Apr-14	689778	5525256	15	Light brown	Sandy				Roots!	0.8	29.9	9.0	85	0.2	43.9
E5396336	soil	A. Marsh	27-Apr-14	689803	5525247	10	Dark brown	Silty loamy	2-8 cm	Angular	5		0.5	21.8	7.1	61	0.2	22.2
E5396337	soil	A. Marsh	27-Apr-14	689829	5525248	30	Light brown	sandy silty	1-3 cm	Angular	5	On a bank	0.4	34.4	7.2	95	0.3	42.7
E5396338	soil	A. Marsh	27-Apr-14	689858	5525251	15	Dark brown	loamy	15 cm	Angular	10	Roots, wood chunks, bad sample	0.5	11.0	4.9	29	0.2	10.1
E5396339	soil	A. Marsh	27-Apr-14	689883	5525251	10	Dark brown	Sandy/loamy	1-10cm	Angular	40		0.7	16.4	5.8	46	0.3	12.3
E5396340	soil	A. Marsh	27-Apr-14	689905	5525246	20	Light Br and I	Silty loamy	1 cm	Angular	5		0.6	19.3	4.8	34	0.2	11.6
E5396360	soil	A. Marsh	29-Apr-14	692352	5525014	5	D.Brown/Gre	Silty/loamy				organics, hit rock	0.3	20.9	3.6	12	0.1	1.8
E5396361	soil	A. Marsh	29-Apr-14	692372	5525014	20	D.Brown/Gre	Silty	3-6cm	Angular	5		0.2	5.7	2.5	4	<0.1	1.8
E5396362	soil	A. Marsh	29-Apr-14	692403	5525001	20	Dark brown	Loamy	10-15 cm	Angular	5	Organics	0.2	6.9	7.2	21	0.1	1.3
E5396363	soil	A. Marsh	29-Apr-14	692430	5524997	15	grey	Silty				bottom of cliff	0.4	9.6	2.5	5	<0.1	2.1
E5396364	soil	A. Marsh	29-Apr-14	692455	5524990	35	D.Brown/Gre	Loamy					0.3	8.0	2.8	9	<0.1	2.4
E5396365	soil	A. Marsh	29-Apr-14	692476	5524997	20	Dark brown	Loamy	15 cm	Angular	20		0.3	9.6	2.9	11	0.3	2.9
E5396366	soil	A. Marsh	29-Apr-14	692503	5525002	5	Dark brown/b	Loamy				Beside waterfall/creek. Beding 165/32 RHR	4.7	45.0	16.6	33	0.2	11.0
E5396367	soil	A. Marsh	29-Apr-14	692525	5524999	15	Dark brown	Loamy					12.9	93.3	7.4	35	0.3	10.6

Sample Number	Sample type	Sampler	Date	UTM Zone 9 NAD83 Easting	UTM Zone 9 NAD83 Northing	Depth (cm)	Colour	Size fraction	Clast Size	Clast Shape	% Clasts	Comments	Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1
E5396368	soil	A. Marsh	29-Apr-14	692552	5525001	30	D.Brown/Gre	Silty/loamy	6 cm	Angular	5		3.8	52.7	4.5	19	0.4	8.8
E5396369	soil	A. Marsh	29-Apr-14	692593	5524993	8	Dark brown	Loamy	0.5 -3 cm	Angular	5		4.6	83.1	6.9	20	0.4	7.5
E5396370	soil	A. Marsh	30-Apr-14	692248	5525053	25	D.Brown/Gre	Silty/loamy	5-10 cm	Angular	25	Organics	0.2	8.2	5.8	9	0.1	1.4
E5396371	soil	A. Marsh	30-Apr-14	692268	5525053	20	black	Loamy				Organics	0.4	12.3	1.6	18	0.4	2.4
E5396372	soil	A. Marsh	30-Apr-14	692290	5525050	10	black	Loamy	2-8 cm	Angular	10	Below cliff, not much soil	0.8	50.6	7.8	24	0.3	6.0
E5396373	soil	A. Marsh	30-Apr-14	692312	5525048	8	Grey black	Silty/loamy	1-5 cm	Angular	20	Under boulder, base of cliff	1.3	83.1	8.8	22	0.4	12.9
E5396374	soil	A. Marsh	30-Apr-14	692332	5525068	5	Red brown	sandy silty				base of cliff, from crack in rock	2.0	349.7	2.1	56	0.5	23.4
E5396375	soil	A. Marsh	30-Apr-14	692393	5525054	10	Brown	Silty loamy	2-8 cm	Angular	10	Steep bank	1.2	119.3	5.9	29	0.7	14.5
E5396376	soil	A. Marsh	30-Apr-14	692398	5525069	5	Brown	silty	1 cm	Angular	2	Below mossy rock	21.9	94.7	11.4	54	0.3	16.6
E5396377	soil	A. Marsh	30-Apr-14	692441	5525056	5	brown grey	Silty	0.5 cm	Angular	10		17.6	454.7	6.5	41	1.0	18.6
E5396378	soil	A. Marsh	30-Apr-14	692463	5525043	15	D.Brown/Gre	Silty loamy	5 cm	Angular	5	Under boulder	1.2	32.7	3.5	8	0.6	4.2
E5396379	soil	A. Marsh	30-Apr-14	692480	5525054	15	D.Brown/Gre	Silty loamy	1-5 cm	Angular	15		6.6	46.6	7.2	14	0.2	4.8
E5396380	soil	A. Marsh	30-Apr-14	692517	5525054	10	Red brown	Silty loamy	1-3 cm	Angular	20		8.1	96.5	6.5	26	0.3	10.9
E5396381	soil	A. Marsh	30-Apr-14	692540	5525059	8	Dark brown	Silty loamy	3-6 cm	Angular	5	base of cliff	9.8	416.8	8.6	87	0.6	38.3
E5396382	soil	A. Marsh	30-Apr-14	692566	5525054	20	Brown	Loamy	4-15 cm	Angular	40		8.0	68.6	6.0	21	0.3	10.8
E5396383	soil	A. Marsh	30-Apr-14	692776	5525173	0	Red brown	Sandy				Surface sample from Conuma Main	2.4	200.0	6.9	23	0.3	9.0
E5396911	soil	B. Smithwick	24-Apr-14	692601	5524850	17	Dark brown	Loamy	NA			Hit rock. Heavy moss and logging debris cover.	1.2	18.5	10.9	12	0.2	3.3
E5396912	soil	B. Smithwick	24-Apr-14	692575	5524851	20	Dark brown	Loamy	NA			Below rock ledge. Heavy moss & debris cover.	0.8	24.0	7.3	5	<0.1	2.5
E5396913	soil	B. Smithwick	24-Apr-14	692552	5524840	15	Grey black	Loamy	5 cm	Angular	5	Hit rock. Heavy moss and logging debris cover.	1.0	8.5	10.8	6	0.2	1.6
E5396914	soil	B. Smithwick	24-Apr-14	692519	5524848	10	Dark brown	Loamy	NA			Near stream, lots of organic material	3.3	13.2	5.6	14	0.4	3.7
E5396915	soil	B. Smithwick	24-Apr-14	692497	5524845	10	Light brown	Loamy	NA			Below rock ledge, good outcropping Chert/Rhyolytic?	44.7	16.5	8.5	13	0.3	2.2
E5396916	soil	B. Smithwick	24-Apr-14	692472	5524840	10	Grey black	Loamy	5 cm	Angular	5	Below rock ledge	17.0	18.8	8.0	20	0.8	3.7
E5396917	soil	A. Marsh	28-Apr-14	692449	5524845	10	Dark brown	Loamy				Lots of organics	0.1	8.3	2.1	15	0.3	2.2
E5396918	soil	A. Marsh	28-Apr-14	692425	5524849	10	Red brown	Silty	0.5-10 cm	Angular	10		36.5	76.4	10.0	53	0.2	12.1
E5396919	soil	A. Marsh	28-Apr-14	692399	5524850	40	Dark brown	Loamy				Mostly organics	0.1	3.7	2.1	17	<0.1	1.5
E5396920	soil	A. Marsh	28-Apr-14	692375	5524851	40	Black/Grey	Loamy				Lots of organics	1.2	4.0	2.9	4	<0.1	0.9
E5396921	soil	A. Marsh	28-Apr-14	692350	5524854	20	Dark brown	Loamy					2.7	41.8	7.1	12	0.2	9.5
E5396922	soil	A. Marsh	28-Apr-14	692322	5524849	25	D.Brown/Red	Loamy				lots of organics	<0.1	3.6	1.1	10	<0.1	0.6
E5396923	soil	A. Marsh	28-Apr-14	692297	5524850	25	D.Brown/Gre	Silty/loamy				wood chips + organics. Hit rock	1.6	7.2	6.0	4	<0.1	1.3
E5396924	soil	A. Marsh	28-Apr-14	692274	5524851	8	Grey brown	Silty/loamy				Shallow w/ roots	0.4	13.8	4.3	5	0.1	2.5
E5396925	soil	A. Marsh	28-Apr-14	692249	5524848	8	D.Brown/Gre	Silty/loamy				On bedrock, water running through soil over top bedrock.	1.3	72.7	5.2	19	0.3	4.1
E5396926	soil	A. Marsh	28-Apr-14	692200	5524852	5	brown grey	Silty	5-10 cm	Angular	10	On bedrock. Mudstone?	0.5	3.6	3.6	3	<0.1	0.8
E5396927	soil	A. Marsh	28-Apr-14	692207	5524897	5	D.Brown/Gre	Silty/loamy	5 cm	Angular	5	Hit rock, steep mossy bank	0.4	14.3	6.5	8	<0.1	2.3
E5396928	soil	A. Marsh	28-Apr-14	692226	5524904	40	Dark brown	Loamy	1-3 cm	Angular	5	Lots of organics bad sample	0.2	4.7	0.5	13	<0.1	1.4
E5396929	soil	A. Marsh	28-Apr-14	692249	5524900	20	D.Brown/Gre	Loamy				Swampy sample	0.7	14.5	8.1	8	<0.1	3.3
E5396930	soil	A. Marsh	28-Apr-14	692274	5524901	40	Grey brown	Silty/loamy					0.3	4.1	5.9	6	<0.1	1.0
E5396931	soil	A. Marsh	28-Apr-14	692302	5524899	20	brown grey	Silty/loamy				Hit rock	0.4	4.1	6.2	5	0.1	1.1
E5396932	soil	A. Marsh	28-Apr-14	692326	5524899	8	D.Brown/Gre	Silty				Hit rock	0.9	9.1	7.5	6	<0.1	1.4
E5396933	soil	A. Marsh	28-Apr-14	692348	5524898	8	brown grey	Silty				Hit rock	0.5	6.3	6.6	3	<0.1	1.0

Sample Number	Sample type	Sampler	Date	UTM Zone 9 NAD83 Easting	UTM Zone 9 NAD83 Northing	Depth (cm)	Colour	Size fraction	Clast Size	Clast Shape	% Clasts	Comments	Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1
E5396934	soil	A. Marsh	28-Apr-14	692369	5524899	5	D.Brown/Gre	Silty	1-8 cm	Angular	10	Right above rock (mudstone?)	0.6	13.7	5.9	5	<0.1	2.1
E5396935	soil	A. Marsh	28-Apr-14	692421	5524905	25	D.Brown/Gre	Silty/loamy				Hit rock	0.7	6.6	7.3	4	<0.1	1.2
E5396936	soil	A. Marsh	28-Apr-14	692453	5524901	10	D.Brown/Gre	Silty/loamy				Lots of organics bad sample	0.5	3.1	3.1	6	0.1	0.8
E5396937	soil	A. Marsh	28-Apr-14	692476	5524894	40	Dark brown	Loamy	5 cm	Angular	2	Opened into crevace deeper down	0.2	5.4	2.2	15	<0.1	1.6
E5396938	soil	A. Marsh	28-Apr-14	692501	5524900	20	Dark brown	Loamy	10 cm	Angular	5	Organics. On top of log	0.1	3.6	2.4	12	<0.1	1.2
E5396939	soil	A. Marsh	28-Apr-14	692527	5524904	30	Dark brown	Loamy	3 cm	Angular	2	Organics	0.2	4.6	2.4	10	0.3	1.5
E5396940	soil	A. Marsh	28-Apr-14	692547	5524901	5	D.Brown/Gre	Silty/loamy				On bedrock	0.4	21.0	3.5	7	0.1	2.3
E5396941	soil	A. Marsh	28-Apr-14	692574	5524903	10	D.Brown/Gre	Silty/loamy	10-15 cm	Angular	25		0.2	12.9	3.6	5	0.5	1.6
E5396942	soil	A. Marsh	28-Apr-14	692599	5524903	10	Grey brown	Silty					1.0	11.8	7.2	4	0.1	1.9
E5396943	soil	A. Marsh	28-Apr-14	692603	5524945	8	Brown	Silty/loamy	3-10 cm	Angular	40		1.3	99.8	6.3	21	0.2	9.3
E5396944	soil	A. Marsh	28-Apr-14	692604	5524979	10	D.Brown/Gre	Silty/loamy	2-6 cm	Angular	10		12.5	8.6	8.3	6	0.1	1.3
E5396945	soil	A. Marsh	29-Apr-14	692233	5524949	25	Dark brown	Silty/loamy				Hit rock	0.2	6.9	3.0	11	<0.1	2.3
E5396946	soil	A. Marsh	29-Apr-14	692251	5524952	20	grey	Silty	10-15 cm	Angular	5	Swampy sample	0.2	5.9	6.4	4	<0.1	1.0
E5396947	soil	A. Marsh	29-Apr-14	692272	5524952	8	brown grey	Silty				Hit rock	0.3	12.4	7.4	8	<0.1	2.2
E5396948	soil	A. Marsh	29-Apr-14	692300	5524945	8	D.Brown/Gre	Silty/loamy	5 cm	Angular	5		0.4	8.6	5.5	8	<0.1	1.8
E5396949	soil	A. Marsh	29-Apr-14	692324	5524956	15	D.Brown/Gre	Silty/loamy	10 cm	Angular	5		0.2	8.9	4.0	6	<0.1	1.5
E5396950	soil	A. Marsh	29-Apr-14	692352	5524952	30	D.Brown/Gre	Silty	2-10cm	Angular	5	Swampy sample	0.5	14.0	7.0	4	<0.1	1.6
E5396951	soil	A. Marsh	29-Apr-14	692375	5524954	10	Dark brown	Loamy				on bank of stream	0.6	33.7	4.0	17	<0.1	3.1
E5396952	soil	A. Marsh	29-Apr-14	692400	5524955	15	Dark brown/b	Silty/loamy	3-6cm	Angular	5		1.0	32.4	8.4	10	0.1	3.1
E5396953	soil	A. Marsh	29-Apr-14	692499	5524960	20	grey/black	Silty	0.5-5cm	Angular	5	lots of organics, hit rock	0.3	7.3	3.0	6	0.1	1.5
E5396954	soil	A. Marsh	29-Apr-14	692528	5524956	10	Dark brown	Loamy	10-15 cm	Angular	15	From crack in bedrock	0.6	11.2	5.2	6	0.1	1.7
E5396955	soil	A. Marsh	29-Apr-14	692547	5524954	5	D.Brown/Gre	Silty/loamy				shallow, on bedrock	0.8	28.0	5.5	8	0.2	2.8
E5396956	soil	A. Marsh	29-Apr-14	692257	5525012	15	Dark brown	Loamy	0.2-3cm	Angular	20	Organics	0.4	27.1	4.6	13	0.1	3.9
E5396957	soil	A. Marsh	29-Apr-14	692272	5525024	35	D.Brown/Gre	Silty/loamy	3-5cm	Angular	10		0.2	8.4	1.8	12	0.1	1.5
E5396958	soil	A. Marsh	29-Apr-14	692310	5525025	20	D.Brown/Gre	Silty	5-15 cm	Angular	10		0.4	6.3	8.2	5	<0.1	1.0
E5396959	soil	A. Marsh	29-Apr-14	692327	5525022	20	Dark brown	Loamy	5-15 cm	Angular	30		0.2	20.3	4.9	6	<0.1	1.2
E5396960	soil	B. Smithwick	24-Apr-14	689642	5525202	7	Red brown	Sandy				Forested fluvial area,	0.7	29.6	7.8	79	0.3	31.2
E5396961	soil	B. Smithwick	24-Apr-14	689665	5525201	20	Red brown	Sandy					0.6	24.4	6.7	66	0.2	29.2
E5396962	soil	B. Smithwick	24-Apr-14	689693	5525196	22	Brown	Sandy				Roots	0.7	34.4	7.9	73	0.2	29.5
E5396963	soil	B. Smithwick	24-Apr-14	689718	5525202	25	Red brown	Sandy					0.7	27.8	7.4	66	0.2	26.9
E5396964	soil	B. Smithwick	24-Apr-14	689741	5525198	25	Red brown	Sandy					0.8	33.5	7.4	71	0.3	35.7
E5396965	soil	B. Smithwick	24-Apr-14	689769	5525196	25	Grey Brown	Sandy				Hit rock	0.5	24.1	6.3	60	0.2	23.8
E5396966	soil	B. Smithwick	24-Apr-14	689793	5525196	17	Grey Brown	Sandy	8 cm	ub Angula	10	Roots	0.5	15.4	3.1	32	0.1	11.4
E5396967	soil	B. Smithwick	24-Apr-14	689812	5525199	20	Brown	Sandy					1.1	25.9	7.4	62	0.2	19.8
E5396968	soil	B. Smithwick	25-Apr-14	689836	5525204	8	Red brown	Loamy/sandy				Roots, forest	0.6	28.2	7.1	61	0.3	28.3
E5396969	soil	B. Smithwick	25-Apr-14	689863	5525201	12	Dark brown	loamy	10cm	Angular			0.6	15.4	6.5	51	0.2	11.8
E5396970	soil	B. Smithwick	25-Apr-14	689893	5525205	10	Red brown	loamy					0.7	26.7	7.6	59	0.2	21.2
E5396971	soil	B. Smithwick	25-Apr-14	689920	5525205	10	Red brown	sandy	3 cm	Angular	15		0.6	27.2	6.2	59	0.3	26.8
E5396972	soil	B. Smithwick	25-Apr-14	689946	5525202	10	Brown	loamy	8 cm	Angular	20	Roots	0.4	29.2	7.2	63	0.2	24.6

Sample Number	Sample type	Sampler	Date	UTM Zone 9 NAD83 Easting	UTM Zone 9 NAD83 Northing	Depth (cm)	Colour	Size fraction	Clast Size	Clast Shape	% Clasts	Comments	Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1
E5396973	soil	B. Smithwick	25-Apr-14	689973	5525202	8	Brown	Sandy	5 cm	Angular	4		0.5	19.0	8.2	53	0.2	17.5
E5396974	soil	B. Smithwick	25-Apr-14	689997	5525203	10	Light brown	Sandy	1 cm	Angular	10		0.3	12.9	4.7	41	0.1	14.8
E5396975	soil	B. Smithwick	25-Apr-14	690025	5525194	10	Light brown	sand	0.5 cm	Coarse	10	Stream-bed	0.3	29.7	4.0	42	0.2	24.6
E5396976	soil	B. Smithwick	25-Apr-14	690050	5525197	8	Red brown	Loamy/sandy	5-15 cm	Angular	15		0.9	25.5	9.0	92	0.3	24.6
E5396977	soil	B. Smithwick	25-Apr-14	690081	5525197	10	Brown	Sandy	3-15 cm	Angular	30	Too much clast in sample?	2.8	75.8	22.5	70	0.1	29.8
E5396978	soil	B. Smithwick	25-Apr-14	690094	5525200	5	Light brown	Sandy	5-10 cm	Angular	40	Lots of clast	2.0	43.9	18.0	50	0.1	19.6
E5396979	soil	B. Smithwick	25-Apr-14	690116	5525202	8	Red brown	loamy sand	1-4 cm	Angular	30		2.0	41.6	5.8	46	0.2	13.6
E5396980	soil	B. Smithwick	25-Apr-14	690146	5525194	10	Red brown	loamy	1-3 cm	ub Angula	5		1.1	27.2	5.8	35	0.2	11.0
E5396981	soil	B. Smithwick	25-Apr-14	690170	5525192	10	Red brown	loamy clay					0.8	20.8	4.8	23	0.1	4.5
E5396982	soil	B. Smithwick	25-Apr-14	690195	5525200	15	Red/Grey/Br	Sandy/loamy	0.5 - 5 cm	ub-rounde	10		1.0	28.5	4.7	23	<0.1	5.5
E5396983	soil	B. Smithwick	25-Apr-14	690193	5525149	5	Light brown	Sandy	0.5 - 6 cm	ub Angula	15		0.7	45.6	4.6	57	<0.1	18.8
E5396984	soil	B. Smithwick	25-Apr-14	690169	5525153	15	Red brown	Loamy/sandy					1.0	23.5	6.7	40	0.1	12.1
E5396985	soil	B. Smithwick	25-Apr-14	690141	5525146	20	Light brown	Sandy	5 cm	ub Angula	20		1.1	31.5	5.7	40	0.1	12.7
E5396986	soil	B. Smithwick	25-Apr-14	690093	5525149	30	Light brown	Sandy	1-3 cm	Angular	20		2.3	17.6	6.4	45	0.2	10.0
E5396987	soil	B. Smithwick	25-Apr-14	690070	5525156	10	Light brown	loamy clay					2.4	41.2	11.8	125	0.2	27.9
E5396988	soil	B. Smithwick	25-Apr-14	690043	5525153	15	Light brown	Sandy				Charcoal present	0.7	36.5	9.5	93	0.2	29.5
E5396989	soil	B. Smithwick	25-Apr-14	690025	5525159	15	Light brown	Sand					0.3	33.7	4.4	49	0.2	25.2
E5396990	soil	B. Smithwick	25-Apr-14	689997	5525150	40	Light red bro	Loamy/sandy				Dug through rotten tree (deep sample)	0.5	26.0	7.2	67	0.2	22.9
E5396991	soil	B. Smithwick	25-Apr-14	689970	5525150	10	Light brown	sandy clay	5 cm	Angular	10	Hit rock	0.6	34.8	7.0	69	0.3	35.1
E5396992	soil	B. Smithwick	25-Apr-14	689941	5525149	10	Grey dark bro	Sandy/loamy	3 - 10 cm	Angular	5		1.0	11.4	5.6	26	0.2	8.9
E5396993	soil	B. Smithwick	25-Apr-14	689917	5525149	12	Light brown	Sandy				Roots	0.6	26.9	7.3	76	0.3	28.0
E5396994	soil	B. Smithwick	25-Apr-14	689596	5525153	5	Dark brown	Sandy	4 cm	ub-rounde	35	floodplain	0.5	169.9	3.7	71	<0.1	86.0
E5396995	soil	B. Smithwick	25-Apr-14	689624	5525153	10	Dark brown	sand	5-10 cm	ub-rounde	30		0.7	182.7	3.3	71	<0.1	91.2
E5396996	soil	B. Smithwick	25-Apr-14	689639	5525156	30	Red brown	Sandy	5-10 cm	ub-rounde	30	riverbank cut sample	1.1	170.8	4.1	55	0.2	67.6
E5396997	soil	B. Smithwick	25-Apr-14	689668	5525147	20	Red brown	loamy clay					1.0	59.4	8.4	89	0.3	41.7
E5396998	soil	B. Smithwick	25-Apr-14	689703	5525151	15	Red light bro	Silty loamy	2 - 5 cm	Angular	5		0.8	33.7	11.0	66	0.2	21.5
E5396999	soil	B. Smithwick	25-Apr-14	689724	5525155	25	Dark brown	loamy				Under log	0.5	22.4	5.2	52	0.2	17.0
E5397000	soil	B. Smithwick	25-Apr-14	689743	5525145	10	Light brown	Sandy	2-4 cm	Angular	10		0.4	29.9	6.4	74	0.2	31.9
E5397001	soil	B. Smithwick	25-Apr-14	689769	5525146	25	Red dark bro	loamy					0.8	35.8	8.1	77	0.3	32.4
E5397002	soil	B. Smithwick	25-Apr-14	689790	5525152	15	Light brown	silty clay					0.5	26.0	5.2	54	0.1	20.1
E5397003	soil	B. Smithwick	25-Apr-14	689822	5525150	15	Light brown	sandy					0.6	30.5	7.6	70	0.2	25.0
E5397004	soil	B. Smithwick	26-Apr-14	689650	5525100	8	Brown	Sandy	6 cm	ub rounde	5		1.1	166.9	4.2	65	0.1	75.5
E5397005	soil	B. Smithwick	26-Apr-14	689678	5525097	15	Light brown	Silty					0.8	148.6	4.3	70	0.1	80.2
E5397006	soil	B. Smithwick	26-Apr-14	689702	5525098	20	Light brown	Silty loamy					1.3	99.8	5.3	73	0.2	59.2
E5397007	soil	B. Smithwick	26-Apr-14	689724	5525104	20	Darkredbrow	loamy				wood chips	0.4	26.8	5.6	72	0.2	23.7
E5397008	soil	B. Smithwick	26-Apr-14	689752	5525106	15	Red brown	silty					0.4	32.1	6.0	73	0.3	30.8
E5397009	soil	B. Smithwick	26-Apr-14	689769	5525096	15	Dark brown	loamy				hit rock	0.7	19.7	8.3	52	0.1	18.5

Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001	La ppm 1	Cr ppm 1	Mg % 0.01	Ba ppm 1	Ti % 0.001	B ppm 1	Al % 0.01	Na % 0.001	K % 0.01	W ppm 0.1	Hg ppm 0.01	Sc ppm 0.1	Tl ppm 0.1	S % 0.05	Ga ppm 1	Se ppm 0.5	Te ppm 0.2
11.7	502	2.62	21.9	4.6	1.0	20	0.3	2.1	0.2	30	0.76	0.085	11	17	0.50	37	0.046	1	2.09	0.027	0.02	0.8	0.07	3.0	<0.1	<0.05	4	0.6	0.3
13.8	749	2.97	28.8	7.5	0.9	20	0.7	2.5	0.2	38	0.78	0.092	11	21	0.58	47	0.052	1	2.22	0.029	0.02	0.8	0.10	3.5	<0.1	<0.05	5	0.7	0.2
11.4	707	2.75	25.2	3.3	0.6	18	0.7	2.6	0.2	31	0.90	0.080	9	17	0.50	49	0.039	2	1.64	0.022	0.03	0.8	0.07	2.3	<0.1	<0.05	4	0.9	0.3
10.4	657	2.53	23.3	4.0	0.6	20	0.6	2.2	0.2	30	0.96	0.072	9	16	0.45	42	0.039	3	1.46	0.023	0.02	0.9	0.07	2.1	<0.1	<0.05	4	1.3	<0.2
17.0	1220	4.06	38.2	6.0	0.6	14	0.9	2.2	0.5	47	0.52	0.081	13	24	0.55	55	0.048	2	2.49	0.023	0.02	0.7	0.18	3.5	<0.1	0.05	6	1.5	0.4
2.7	112	2.79	22.1	1.0	0.3	11	0.5	0.6	0.2	33	0.51	0.056	4	17	0.20	24	0.041	3	1.31	0.009	0.02	0.5	0.14	1.5	<0.1	0.07	6	0.7	<0.2
11.4	673	2.72	21.2	3.3	0.5	28	0.7	2.1	0.2	27	1.27	0.075	9	15	0.45	53	0.038	8	1.52	0.031	0.02	0.4	0.08	2.3	<0.1	0.05	3	0.8	0.4
11.1	647	2.72	25.6	2.5	0.6	22	0.9	2.3	0.2	28	1.13	0.080	9	15	0.43	47	0.034	16	1.62	0.032	0.02	0.8	0.07	2.2	<0.1	<0.05	4	1.5	0.3
7.0	467	3.33	39.4	1.9	0.6	8	0.3	1.2	0.3	68	0.26	0.051	7	29	0.23	32	0.054	2	2.33	0.012	0.02	1.2	0.17	3.1	<0.1	0.06	8	1.0	<0.2
1.9	95	1.33	5.6	3.1	0.2	9	0.3	0.1	0.2	36	0.34	0.037	3	12	0.11	13	0.046	2	0.80	0.015	0.02	0.6	0.14	1.1	<0.1	0.11	4	0.9	<0.2
9.4	2530	2.95	26.2	5.2	0.3	9	0.7	0.5	0.2	64	0.28	0.071	6	22	0.21	39	0.037	2	2.47	0.012	0.01	1.9	0.14	3.1	<0.1	<0.05	6	1.4	<0.2
9.1	1628	3.22	19.0	4.0	0.4	8	0.8	0.3	0.2	76	0.24	0.063	7	24	0.19	31	0.050	2	2.52	0.012	0.02	1.1	0.15	3.0	<0.1	0.07	7	1.2	<0.2
8.8	1124	3.04	17.6	2.8	0.5	10	0.5	0.4	0.2	61	0.33	0.065	7	22	0.23	30	0.044	2	2.62	0.013	0.02	1.5	0.16	3.7	<0.1	0.07	6	1.0	<0.2
7.6	813	2.43	19.9	3.9	0.6	26	0.9	0.4	<0.1	69	1.35	0.055	5	19	0.25	45	0.075	9	2.14	0.017	0.02	1.2	0.10	3.2	<0.1	<0.05	5	1.2	<0.2
17.3	1782	3.09	18.7	1.8	0.5	20	0.4	0.2	0.1	90	0.49	0.050	6	19	0.27	80	0.082	2	2.53	0.019	0.02	0.4	0.17	3.5	<0.1	<0.05	6	1.4	<0.2
2.6	67	3.17	7.5	0.7	0.6	8	0.2	0.1	0.2	128	0.11	0.030	3	18	0.08	20	0.112	2	1.33	0.008	0.02	0.2	0.09	1.4	<0.1	<0.05	9	0.9	<0.2
3.2	253	0.92	19.2	1.4	0.2	38	0.4	0.5	<0.1	43	1.04	0.070	6	16	0.21	40	0.064	4	2.67	0.017	0.02	0.5	0.14	2.4	<0.1	0.29	6	2.9	<0.2
4.4	120	3.78	10.1	<0.5	1.3	9	0.2	0.3	0.2	110	0.17	0.028	4	21	0.19	23	0.104	1	3.15	0.013	0.02	0.7	0.11	2.8	<0.1	<0.05	9	0.7	<0.2
3.4	118	4.77	12.9	1.0	2.0	7	0.1	0.2	0.2	148	0.11	0.043	4	33	0.14	24	0.166	2	4.58	0.011	0.01	0.3	0.17	4.6	<0.1	<0.05	14	1.4	<0.2
15.4	1051	3.41	49.3	9.6	0.8	14	0.9	5.1	0.3	44	0.58	0.084	14	31	0.51	42	0.049	3	2.56	0.018	0.02	1.3	0.11	3.5	<0.1	<0.05	6	<0.5	<0.2
11.8	546	2.19	26.4	4.3	0.5	12	0.4	3.2	0.2	31	0.53	0.062	7	38	0.62	20	0.042	2	1.65	0.014	0.01	0.9	0.05	1.8	<0.1	<0.05	4	0.6	<0.2
15.2	806	3.06	42.0	4.7	0.6	19	0.8	3.0	0.3	39	0.89	0.085	11	25	0.50	46	0.040	4	2.33	0.020	0.02	1.1	0.10	2.9	<0.1	<0.05	5	1.2	0.2
15.7	892	2.88	38.1	3.7	0.7	16	0.7	3.6	0.3	38	0.73	0.086	10	43	0.65	45	0.043	3	2.36	0.018	0.03	1.5	0.12	2.7	<0.1	<0.05	5	1.1	0.3
13.3	839	2.66	43.4	6.7	0.6	14	0.5	3.8	0.2	35	0.69	0.098	10	29	0.48	30	0.038	3	2.35	0.016	0.02	1.8	0.11	2.5	<0.1	<0.05	5	1.3	<0.2
11.3	440	2.35	30.2	4.5	0.5	13	0.4	3.2	0.2	36	0.62	0.055	5	33	0.54	27	0.041	2	1.68	0.015	0.01	1.5	0.06	1.8	<0.1	<0.05	4	0.8	<0.2
15.5	784	3.03	49.8	7.2	0.8	14	0.6	4.4	0.3	38	0.58	0.080	11	41	0.56	38	0.047	2	2.57	0.016	0.02	1.5	0.10	3.3	<0.1	<0.05	5	1.7	<0.2
9.2	435	2.39	18.4	2.1	0.3	16	0.4	2.3	0.2	34	0.78	0.059	5	17	0.34	38	0.034	3	1.32	0.018	0.02	1.1	0.10	1.8	<0.1	0.05	4	1.0	0.2
12.5	543	2.90	24.8	6.0	0.9	20	0.8	3.4	0.2	30	1.09	0.084	10	16	0.53	48	0.050	14	2.02	0.028	0.03	2.5	0.05	3.1	<0.1	<0.05	4	0.8	0.2
2.7	82	1.32	8.7	2.3	<0.1	9	0.2	1.2	0.1	26	0.34	0.054	3	11	0.15	17	0.029	2	0.68	0.011	0.02	0.8	0.12	1.0	<0.1	0.08	4	0.6	<0.2
4.4	284	2.19	17.3	2.1	0.4	8	0.5	1.8	0.2	55	0.40	0.033	3	15	0.16	20	0.062	3	0.81	0.009	0.01	1.2	0.08	1.5	<0.1	<0.05	7	0.6	<0.2
2.7	81	1.60	15.4	2.7	0.3	7	0.7	2.2	0.3	71	0.33	0.027	3	17	0.11	14	0.097	2	0.44	0.008	0.01	0.8	0.06	1.1	<0.1	<0.05	6	<0.5	0.2
1.1	79	0.28	<0.5	2.3	<0.1	7	0.2	<0.1	<0.1	24	0.23	0.043	<1	5	0.06	18	0.029	2	0.26	0.016	0.05	<0.1	0.19	0.9	<0.1	<0.05	2	0.5	<0.2
1.2	38	0.35	<0.5	7.0	<0.1	2	<0.1	<0.1	<0.1	46	0.10	0.017	<1	13	0.07	4	0.074	1	0.17	0.012	0.01	<0.1	0.06	1.2	<0.1	<0.05	2	<0.5	<0.2
0.5	49	0.11	<0.5	<0.5	<0.1	16	0.2	0.2	<0.1	7	0.70	0.055	<1	1	0.10	29	0.010	4	0.12	0.013	0.07	<0.1	0.33	0.4	<0.1	0.09	<1	1.2	<0.2
1.4	33	0.51	<0.5	8.7	<0.1	2	<0.1	<0.1	0.2	86	0.13	0.024	<1	10	0.07	3	0.121	1	0.36	0.012	0.02	<0.1	0.04	1.2	<0.1	<0.05	4	<0.5	<0.2
1.0	28	0.53	<0.5	<0.5	<0.1	11	0.1	<0.1	<0.1	19	0.13	0.044	1	9	0.09	25	0.016	3	0.29	0.011	0.03	<0.1	0.12	1.5	<0.1	0.11	1	0.9	<0.2
1.1	64	0.49	<0.5	2.4	<0.1	13	0.2	<0.1	<0.1	45	0.29	0.038	<1	12	0.12	26	0.040	2	0.23	0.015	0.03	<0.1	0.11	1.3	<0.1	0.06	2	<0.5	<0.2
24.7	3828	0.97	1.0	<0.5	<0.1	27	0.7	0.3	0.1	24	0.93	0.156	5	9	0.12	68	0.011	6	1.25	0.017	0.04	0.1	0.72	1.0	<0.1	0.21	3	1.8	<0.2
11.7	178	1.10	5.9	2.0	<0.1	24	0.9	0.3	0.2	95	0.60	0.097	6	18	0.10	53	0.066	5	1.76	0.013	0.01	<0.1	0.32	2.3	<0.1	0.33	8	1.8	<0.2

Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001	La ppm 1	Cr ppm 1	Mg % 0.01	Ba ppm 1	Ti % 0.001	B ppm 1	Al % 0.01	Na % 0.001	K % 0.01	W ppm 0.1	Hg ppm 0.01	Sc ppm 0.1	Tl ppm 0.1	S % 0.05	Ga ppm 1	Se ppm 0.5	Te ppm 0.2
5.4	88	1.89	4.9	1.3	<0.1	14	0.5	2.1	0.1	55	0.22	0.084	5	12	0.10	63	0.051	3	1.11	0.012	0.04	<0.1	0.24	1.7	<0.1	0.10	7	0.6	<0.2
53.5	1944	1.36	1.0	2.1	<0.1	19	0.3	0.2	0.2	48	0.56	0.122	4	11	0.13	39	0.034	5	1.17	0.013	0.04	<0.1	0.44	0.8	<0.1	0.18	5	1.4	<0.2
0.8	50	0.32	<0.5	5.3	<0.1	3	<0.1	<0.1	0.1	55	0.16	0.017	1	20	0.05	6	0.098	<1	0.19	0.009	0.01	<0.1	0.08	1.0	<0.1	<0.05	4	<0.5	<0.2
1.1	32	0.26	<0.5	1.4	<0.1	26	0.1	<0.1	<0.1	8	0.31	0.075	<1	4	0.07	30	0.013	2	0.31	0.011	0.05	<0.1	0.39	0.9	<0.1	0.13	<1	1.0	<0.2
2.8	100	1.03	1.2	2.8	<0.1	12	0.3	0.3	0.1	41	0.48	0.091	2	13	0.15	21	0.043	3	0.74	0.015	0.04	0.2	0.51	0.8	<0.1	0.16	4	0.6	<0.2
14.3	1195	2.82	1.2	7.9	<0.1	7	<0.1	0.2	0.2	109	0.29	0.092	3	34	0.28	20	0.128	2	1.43	0.010	0.03	0.2	0.34	2.1	<0.1	0.11	13	0.9	<0.2
51.0	1127	1.55	14.4	4.5	0.2	28	0.4	0.2	<0.1	56	1.27	0.174	10	47	0.15	74	0.039	8	8.77	0.008	0.01	0.1	0.30	5.8	0.1	<0.05	5	3.5	<0.2
9.4	952	2.98	4.8	5.1	0.2	5	0.3	0.9	0.2	100	0.20	0.062	6	42	0.36	33	0.074	3	2.24	0.013	0.03	0.2	0.25	3.2	<0.1	<0.05	9	0.9	<0.2
47.4	1399	6.38	8.3	5.0	0.6	8	0.3	0.5	0.5	249	0.23	0.070	5	43	0.45	59	0.194	2	2.41	0.010	0.03	0.1	0.30	3.3	<0.1	<0.05	32	1.0	<0.2
9.8	196	5.67	13.5	6.2	1.1	8	0.3	0.5	0.4	218	0.33	0.047	6	51	0.42	64	0.158	2	4.20	0.010	0.02	0.3	0.22	6.2	<0.1	<0.05	17	2.2	0.3
2.6	36	0.97	1.2	3.8	0.1	4	<0.1	0.2	0.3	94	0.19	0.033	2	12	0.07	9	0.129	2	0.42	0.009	0.02	0.1	0.14	1.4	<0.1	<0.05	5	<0.5	<0.2
3.9	50	3.73	1.3	2.8	0.4	8	0.2	0.2	0.4	266	0.15	0.026	5	15	0.12	33	0.371	2	0.72	0.009	0.02	<0.1	0.09	1.5	<0.1	<0.05	16	<0.5	<0.2
6.4	143	7.53	6.7	4.0	1.3	10	0.1	0.4	0.5	262	0.17	0.034	4	52	0.41	27	0.328	1	2.97	0.009	0.02	0.1	0.23	4.6	<0.1	<0.05	19	1.2	<0.2
64.0	1391	5.53	17.1	9.3	0.4	25	0.6	0.6	1.3	165	0.77	0.109	9	58	0.37	58	0.112	5	5.49	0.010	0.02	0.2	0.22	8.0	<0.1	0.09	11	3.0	0.4
11.0	296	3.48	4.5	3.9	0.1	13	0.2	0.3	0.5	122	0.43	0.081	4	19	0.23	36	0.133	3	1.30	0.012	0.03	0.2	0.23	2.2	<0.1	<0.05	11	0.8	<0.2
6.4	192	6.55	3.4	5.9	0.9	14	0.1	0.3	0.5	164	0.19	0.052	4	31	0.28	16	0.137	1	3.88	0.011	0.02	0.2	0.22	5.9	<0.1	<0.05	17	1.6	0.2
1.7	125	0.50	0.7	15.4	0.2	12	0.2	0.1	0.4	56	0.30	0.063	3	11	0.08	39	0.126	2	0.48	0.012	0.07	<0.1	0.17	1.0	<0.1	0.11	7	0.7	<0.2
0.5	14	0.46	0.9	5.6	<0.1	6	0.2	<0.1	0.3	43	0.08	0.036	3	42	0.04	15	0.060	<1	0.77	0.010	0.03	<0.1	0.09	1.8	<0.1	0.07	10	0.9	<0.2
0.5	28	0.50	<0.5	13.2	0.1	5	<0.1	0.2	0.5	74	0.08	0.030	3	22	0.03	20	0.125	1	0.55	0.008	0.03	<0.1	0.12	1.1	<0.1	<0.05	10	<0.5	<0.2
1.4	76	0.32	1.2	2.4	<0.1	12	0.2	0.1	0.1	33	0.38	0.078	2	4	0.06	40	0.027	4	0.37	0.014	0.08	0.1	0.25	0.6	<0.1	0.09	2	0.7	<0.2
1.4	55	2.75	1.9	3.3	1.2	4	0.2	0.3	0.5	245	0.04	0.018	7	11	0.06	28	0.184	<1	0.85	0.006	0.02	<0.1	0.04	1.1	<0.1	<0.05	18	<0.5	<0.2
1.7	135	1.43	6.1	2.3	0.6	9	0.4	0.4	0.2	140	0.22	0.058	3	7	0.11	44	0.087	2	0.49	0.014	0.05	0.2	0.22	1.1	<0.1	0.07	5	2.1	<0.2
0.4	126	0.05	<0.5	1.0	<0.1	20	0.5	<0.1	<0.1	<2	0.31	0.028	<1	1	0.08	29	0.003	2	0.07	0.011	0.05	<0.1	0.14	0.4	<0.1	0.09	<1	<0.5	<0.2
22.3	544	15.24	47.0	4.0	3.0	3	0.3	0.5	0.5	289	0.09	0.060	5	105	0.24	19	0.225	2	6.48	0.006	0.02	0.2	0.17	6.7	<0.1	0.09	34	3.9	<0.2
0.5	53	0.07	<0.5	<0.5	<0.1	19	0.1	<0.1	<0.1	2	0.13	0.044	<1	2	0.17	25	0.003	2	0.12	0.016	0.07	<0.1	0.11	0.4	<0.1	0.12	<1	0.8	<0.2
0.7	70	0.53	<0.5	3.3	0.7	4	<0.1	0.2	0.2	67	0.08	0.007	4	5	0.02	9	0.083	1	0.25	0.003	0.02	<0.1	0.03	0.2	<0.1	<0.05	8	<0.5	<0.2
2.4	50	0.43	<0.5	3.9	<0.1	9	0.1	0.2	0.3	39	0.19	0.042	7	14	0.07	32	0.053	<1	2.26	0.009	0.02	<0.1	0.13	1.2	<0.1	0.17	11	1.5	<0.2
0.2	5	0.01	<0.5	1.7	<0.1	7	<0.1	<0.1	<0.1	<2	0.21	0.018	<1	<1	0.05	2	<0.001	1	0.03	0.008	0.02	<0.1	0.07	0.2	<0.1	<0.05	<1	<0.5	<0.2
0.6	24	0.65	<0.5	2.3	0.3	4	0.1	0.6	0.3	204	0.04	0.006	1	26	0.05	16	0.454	1	0.29	0.004	0.02	<0.1	0.03	1.2	<0.1	<0.05	10	<0.5	<0.2
1.3	54	0.55	0.5	6.4	0.2	3	0.2	0.3	<0.1	80	0.07	0.020	2	16	0.05	20	0.146	1	0.21	0.006	0.02	<0.1	0.05	0.9	<0.1	<0.05	4	<0.5	<0.2
2.5	50	0.31	<0.5	2.0	<0.1	9	0.4	0.1	<0.1	13	0.21	0.116	4	8	0.05	33	0.015	4	1.09	0.012	0.03	<0.1	0.26	0.7	<0.1	0.19	2	2.1	<0.2
0.5	71	0.37	<0.5	6.0	0.5	3	<0.1	0.1	0.1	55	0.07	0.010	3	13	0.04	11	0.109	<1	0.24	0.005	0.01	<0.1	0.03	0.8	<0.1	<0.05	5	<0.5	<0.2
1.1	52	0.56	<0.5	4.2	<0.1	4	0.1	0.1	0.4	74	0.10	0.044	2	16	0.06	13	0.077	<1	0.47	0.008	0.05	<0.1	0.10	1.3	<0.1	0.08	9	<0.5	<0.2
0.7	11	0.06	<0.5	<0.5	<0.1	16	0.2	<0.1	<0.1	2	0.26	0.026	<1	1	0.04	23	0.004	<1	0.07	0.010	0.01	<0.1	0.10	0.4	<0.1	0.11	<1	<0.5	<0.2
0.8	20	0.59	<0.5	11.6	<0.1	5	<0.1	0.1	0.3	59	0.09	0.092	3	17	0.05	18	0.060	<1	0.70	0.008	0.05	<0.1	0.21	1.8	<0.1	0.14	10	<0.5	<0.2
0.5	63	0.41	<0.5	8.4	0.4	6	0.1	<0.1	0.2	80	0.04	0.020	3	17	0.05	19	0.119	1	0.25	0.007	0.03	<0.1	0.05	1.1	<0.1	<0.05	6	<0.5	<0.2
0.4	57	0.35	<0.5	8.8	0.4	3	0.1	0.1	0.3	92	0.07	0.019	3	11	0.04	9	0.128	<1	0.34	0.006	0.03	<0.1	0.04	0.8	<0.1	<0.05	9	<0.5	<0.2
0.6	46	0.35	<0.5	3.6	0.1	4	<0.1	0.1	0.2	56	0.13	0.037	2	14	0.05	13	0.107	<1	0.35	0.007	0.03	<0.1	0.09	1.3	<0.1	0.06	7	<0.5	<0.2
0.4	59	0.24	<0.5	5.9	0.6	4	<0.1	0.1	0.2	71	0.06	0.015	4	11	0.03	6	0.137	<1	0.49	0.005	0.02	<0.1	0.04	1.3	<0.1	<0.05	13	<0.5	<0.2

Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001	La ppm 1	Cr ppm 1	Mg % 0.01	Ba ppm 1	Ti % 0.001	B ppm 1	Al % 0.01	Na % 0.001	K % 0.01	W ppm 0.1	Hg ppm 0.01	Sc ppm 0.1	Tl ppm 0.1	S % 0.05	Ga ppm 1	Se ppm 0.5	Te ppm 0.2
1.2	52	0.65	<0.5	5.6	0.3	5	<0.1	<0.1	0.2	100	0.12	0.018	3	23	0.05	14	0.138	<1	0.48	0.005	0.02	<0.1	0.06	1.4	<0.1	<0.05	11	<0.5	<0.2
0.5	59	0.19	<0.5	17.2	0.8	6	0.1	<0.1	0.3	55	0.12	0.012	4	12	0.03	13	0.140	<1	0.32	0.005	0.02	<0.1	0.04	0.7	<0.1	<0.05	9	<0.5	<0.2
0.4	53	0.24	<0.5	4.8	0.4	3	<0.1	<0.1	0.1	41	0.08	0.011	3	7	0.03	6	0.080	<1	0.14	0.006	0.02	<0.1	0.05	0.5	<0.1	<0.05	3	<0.5	<0.2
0.2	31	0.06	<0.5	<0.5	<0.1	22	0.2	<0.1	<0.1	<2	1.23	0.044	<1	2	0.08	24	0.003	4	0.10	0.014	0.04	<0.1	0.19	0.3	<0.1	0.12	<1	1.7	<0.2
0.2	26	0.07	<0.5	1.6	<0.1	24	0.1	<0.1	<0.1	2	0.20	0.042	<1	2	0.18	15	0.003	2	0.09	0.023	0.06	<0.1	0.10	0.3	<0.1	0.09	<1	<0.5	<0.2
0.2	45	0.05	<0.5	<0.5	<0.1	16	0.2	<0.1	<0.1	<2	1.01	0.041	<1	1	0.08	16	0.003	5	0.07	0.014	0.09	<0.1	0.20	0.4	<0.1	0.12	<1	1.1	<0.2
1.3	49	0.56	<0.5	5.0	0.2	5	0.1	0.1	0.1	74	0.18	0.026	2	6	0.08	9	0.123	3	0.21	0.011	0.02	<0.1	0.08	1.2	<0.1	<0.05	4	<0.5	<0.2
1.1	56	0.45	<0.5	10.1	0.1	3	0.1	<0.1	<0.1	67	0.11	0.028	1	9	0.06	4	0.111	1	0.25	0.009	0.03	<0.1	0.11	1.1	<0.1	<0.05	3	<0.5	<0.2
0.8	28	0.80	<0.5	4.8	0.2	6	<0.1	<0.1	0.3	75	0.10	0.037	2	13	0.06	14	0.131	1	0.53	0.006	0.03	<0.1	0.10	1.4	<0.1	0.06	9	<0.5	<0.2
5.8	185	2.48	3.3	10.0	0.6	14	0.1	0.3	0.4	124	0.46	0.045	3	23	0.31	25	0.130	3	1.59	0.017	0.04	0.1	0.13	3.5	<0.1	<0.05	10	0.7	<0.2
0.5	97	0.55	<0.5	16.8	0.3	4	<0.1	0.2	0.4	78	0.11	0.033	3	11	0.04	10	0.160	<1	0.48	0.007	0.03	<0.1	0.07	1.2	<0.1	0.07	14	<0.5	<0.2
1.8	39	0.34	<0.5	2.0	<0.1	9	<0.1	<0.1	<0.1	37	0.18	0.036	<1	8	0.08	13	0.066	2	0.27	0.015	0.05	<0.1	0.06	1.4	<0.1	0.06	2	0.7	<0.2
0.6	84	0.27	<0.5	8.4	0.5	4	<0.1	<0.1	0.3	52	0.06	0.017	4	16	0.03	10	0.093	<1	0.62	0.006	0.02	<0.1	0.07	1.4	<0.1	<0.05	13	<0.5	<0.2
1.0	20	0.41	<0.5	4.9	<0.1	2	<0.1	<0.1	0.2	56	0.09	0.051	2	17	0.05	8	0.083	3	0.43	0.007	0.04	<0.1	0.11	2.1	<0.1	0.12	6	<0.5	<0.2
1.7	41	0.74	<0.5	8.4	0.4	4	<0.1	0.2	0.2	90	0.09	0.023	3	8	0.05	10	0.112	2	0.38	0.006	0.03	<0.1	0.04	1.3	<0.1	0.07	8	<0.5	<0.2
0.7	35	0.51	<0.5	9.1	0.2	3	<0.1	<0.1	0.2	60	0.09	0.026	2	14	0.04	8	0.073	1	0.30	0.007	0.03	<0.1	0.08	1.5	<0.1	0.08	5	<0.5	<0.2
0.6	22	0.83	<0.5	8.5	0.2	3	<0.1	<0.1	0.2	49	0.06	0.023	3	23	0.03	14	0.086	<1	0.56	0.007	0.03	<0.1	0.06	2.1	<0.1	0.10	10	<0.5	<0.2
1.4	50	0.50	<0.5	18.8	<0.1	7	0.4	<0.1	<0.1	32	0.22	0.068	2	12	0.08	30	0.034	2	0.78	0.021	0.07	<0.1	0.23	2.0	<0.1	0.12	3	0.7	<0.2
1.0	29	0.42	<0.5	6.4	<0.1	6	0.1	0.1	0.3	38	0.16	0.070	3	23	0.04	20	0.044	1	0.68	0.011	0.05	<0.1	0.19	1.3	<0.1	<0.05	9	<0.5	<0.2
0.8	59	0.33	<0.5	9.6	<0.1	3	<0.1	<0.1	0.2	53	0.15	0.026	1	8	0.05	12	0.059	2	0.23	0.008	0.02	<0.1	0.06	0.8	<0.1	<0.05	2	<0.5	<0.2
0.7	23	0.38	<0.5	6.7	<0.1	2	<0.1	<0.1	0.3	64	0.09	0.042	1	17	0.05	6	0.088	<1	0.38	0.007	0.03	<0.1	0.06	0.9	<0.1	0.08	5	<0.5	<0.2
1.4	39	0.62	<0.5	4.5	0.3	4	<0.1	0.2	0.2	73	0.15	0.029	2	10	0.06	14	0.116	2	0.39	0.007	0.02	<0.1	0.07	1.1	<0.1	0.06	4	<0.5	<0.2
2.2	64	0.99	<0.5	2.8	<0.1	6	<0.1	<0.1	<0.1	44	0.23	0.054	2	10	0.11	14	0.045	2	0.60	0.016	0.05	<0.1	0.12	1.2	<0.1	0.08	4	<0.5	<0.2
1.1	39	0.37	<0.5	2.0	<0.1	13	0.1	<0.1	0.1	27	0.18	0.034	<1	5	0.07	8	0.053	2	0.28	0.017	0.03	<0.1	0.09	1.1	<0.1	<0.05	1	<0.5	<0.2
0.4	43	0.31	<0.5	3.8	0.5	4	<0.1	0.1	0.3	65	0.08	0.013	3	11	0.03	10	0.123	<1	0.60	0.004	0.02	<0.1	0.03	1.2	<0.1	<0.05	16	<0.5	<0.2
0.7	130	0.46	<0.5	6.1	0.2	4	<0.1	<0.1	0.2	53	0.13	0.028	2	12	0.04	9	0.067	1	0.39	0.006	0.02	<0.1	0.09	1.3	<0.1	0.08	6	<0.5	<0.2
12.4	538	2.78	27.0	5.7	0.6	15	0.7	2.6	0.2	36	0.81	0.066	8	23	0.39	39	0.051	2	1.84	0.021	0.02	0.8	0.07	2.3	<0.1	0.07	5	0.7	0.2
10.9	577	2.39	25.8	4.5	0.3	13	0.6	2.4	0.2	37	0.62	0.061	9	29	0.39	32	0.041	2	1.80	0.017	0.02	1.7	0.10	2.1	<0.1	0.05	5	<0.5	0.2
11.7	464	3.08	26.8	8.7	0.6	14	0.5	2.8	0.2	42	0.55	0.064	7	26	0.45	37	0.060	2	1.99	0.017	0.02	0.7	0.14	2.7	<0.1	<0.05	5	0.8	0.3
10.4	627	2.66	21.4	3.8	0.3	14	0.6	2.6	0.2	41	0.69	0.060	7	22	0.33	42	0.051	2	1.60	0.018	0.02	0.6	0.10	2.1	<0.1	0.10	5	0.5	0.3
13.4	1005	2.49	32.2	5.7	0.3	14	0.7	3.8	0.2	37	0.73	0.067	11	32	0.42	35	0.041	3	2.03	0.016	0.02	1.0	0.13	2.6	<0.1	0.06	5	0.9	<0.2
8.6	414	2.54	16.3	5.1	0.4	13	0.5	2.1	0.2	43	0.64	0.059	6	19	0.30	33	0.048	1	1.56	0.019	0.01	1.3	0.10	2.1	<0.1	0.07	5	0.8	0.2
3.1	74	1.54	12.4	3.4	0.3	9	0.2	1.2	0.1	51	0.40	0.021	3	15	0.13	12	0.074	1	0.64	0.010	0.01	0.6	0.07	1.5	<0.1	0.09	6	<0.5	0.3
9.2	727	2.14	17.7	4.5	1.1	13	0.4	1.4	0.1	32	0.64	0.052	10	17	0.35	43	0.034	2	1.36	0.017	0.04	0.9	0.06	2.3	<0.1	<0.05	4	<0.5	<0.2
8.7	313	2.73	18.4	5.1	0.5	15	0.3	1.9	0.2	36	0.72	0.065	6	20	0.37	29	0.046	2	1.94	0.020	0.02	1.1	0.12	2.4	<0.1	0.07	5	0.8	0.3
6.1	333	1.60	8.2	4.1	0.2	13	0.7	1.1	0.1	34	0.74	0.044	5	13	0.13	24	0.045	3	0.87	0.013	0.02	0.6	0.12	1.2	<0.1	0.10	5	0.5	0.3
6.8	406	2.88	26.1	4.3	0.4	10	0.4	2.6	0.3	57	0.47	0.030	7	21	0.28	35	0.072	2	1.17	0.013	0.02	0.7	0.10	2.1	<0.1	<0.05	6	0.6	0.3
9.1	413	2.23	19.8	3.5	0.6	22	0.4	1.8	0.2	24	1.36	0.070	8	12	0.31	33	0.039	23	1.43	0.030	0.02	0.8	0.08	1.6	<0.1	0.10	4	0.9	0.3
10.2	453	2.46	16.2	3.4	0.4	16	0.2	1.6	0.2	28	0.94	0.070	8	15	0.38	29	0.038	2	1.53	0.024	0.02	0.4	0.07	1.9	<0.1	0.07	4	0.7	<0.2

Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001	La ppm 1	Cr ppm 1	Mg % 0.01	Ba ppm 1	Ti % 0.001	B ppm 1	Al % 0.01	Na % 0.001	K % 0.01	W ppm 0.1	Hg ppm 0.01	Sc ppm 0.1	Tl ppm 0.1	S % 0.05	Ga ppm 1	Se ppm 0.5	Te ppm 0.2
6.5	272	1.70	14.5	2.7	0.1	14	0.4	1.2	0.2	24	0.91	0.075	5	11	0.23	28	0.027	8	1.06	0.019	0.03	0.7	0.14	1.1	<0.1	0.11	3	0.6	<0.2
4.6	174	1.34	7.9	4.9	0.2	14	0.1	1.2	0.2	20	1.10	0.034	2	10	0.20	16	0.029	3	0.99	0.020	0.02	0.6	0.08	1.0	<0.1	0.08	4	<0.5	<0.2
7.4	297	1.71	11.9	2.1	0.7	31	0.6	1.9	<0.1	24	1.97	0.059	7	12	0.33	36	0.045	56	1.13	0.030	0.02	0.6	0.03	1.6	<0.1	0.11	3	<0.5	<0.2
9.4	583	2.24	25.9	12.7	0.5	21	0.6	0.9	0.2	34	0.87	0.076	9	21	0.27	77	0.037	6	1.98	0.015	0.02	0.7	0.09	2.5	<0.1	0.05	5	0.6	<0.2
39.9	1040	2.98	41.4	5.9	2.8	16	0.2	0.7	<0.1	65	0.54	0.045	10	70	0.73	85	0.075	3	1.83	0.018	0.10	0.3	0.04	6.1	<0.1	<0.05	5	<0.5	0.2
26.7	980	2.78	72.9	3.4	2.6	14	0.2	0.5	<0.1	58	0.47	0.047	9	67	0.69	63	0.065	3	1.58	0.022	0.10	0.2	0.05	5.1	<0.1	0.08	5	<0.5	<0.2
9.7	459	3.05	36.3	3.0	1.3	6	0.4	0.4	0.1	81	0.18	0.048	7	33	0.16	14	0.100	2	3.85	0.011	0.01	1.2	0.21	4.6	<0.1	<0.05	8	1.5	<0.2
6.4	336	3.30	6.7	1.8	1.6	6	0.2	0.2	0.2	90	0.17	0.048	4	35	0.14	16	0.125	2	4.51	0.011	0.01	0.6	0.19	5.3	<0.1	<0.05	9	1.1	<0.2
3.7	144	3.41	3.1	1.8	1.0	7	<0.1	<0.1	0.3	123	0.13	0.028	5	21	0.11	15	0.118	1	2.63	0.011	0.01	0.3	0.12	2.5	<0.1	<0.05	9	0.9	<0.2
3.8	238	3.24	3.1	1.8	1.3	7	0.1	0.1	0.1	109	0.14	0.044	4	27	0.14	15	0.121	1	3.60	0.012	0.02	0.1	0.18	3.9	<0.1	0.07	9	1.0	<0.2
10.3	721	3.05	27.1	15.6	1.1	21	0.4	0.4	<0.1	95	0.74	0.047	6	22	0.42	63	0.106	4	2.47	0.025	0.04	4.7	0.05	4.5	<0.1	<0.05	6	<0.5	<0.2
5.9	399	2.88	14.7	3.0	0.4	10	0.4	0.3	0.2	59	0.32	0.046	5	18	0.19	22	0.045	2	1.71	0.013	0.02	1.2	0.15	2.3	<0.1	0.07	6	1.1	<0.2
6.6	310	2.64	6.3	<0.5	0.9	8	0.4	0.2	0.2	68	0.20	0.048	5	24	0.18	15	0.102	2	2.99	0.012	0.01	0.4	0.10	4.5	<0.1	0.05	7	0.8	<0.2
5.1	503	3.91	50.2	<0.5	0.8	15	0.3	0.4	0.2	104	0.56	0.035	6	34	0.18	37	0.099	2	2.44	0.013	0.01	1.7	0.15	3.0	<0.1	<0.05	10	1.6	<0.2
14.1	2150	4.15	70.6	<0.5	0.6	10	1.1	1.1	0.3	73	0.37	0.086	14	38	0.31	47	0.046	2	3.36	0.011	0.01	1.1	0.21	4.5	<0.1	<0.05	7	2.5	0.2
11.8	911	2.69	25.0	6.3	0.4	23	0.8	1.8	0.3	32	1.20	0.089	8	18	0.48	50	0.035	6	1.73	0.026	0.03	0.5	0.09	2.3	<0.1	<0.05	4	1.0	0.2
7.8	370	1.91	14.0	3.5	0.7	39	0.7	2.2	0.1	22	2.23	0.060	7	12	0.41	41	0.043	67	1.17	0.030	0.02	0.3	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
8.1	409	2.55	22.3	1.7	0.2	19	0.5	2.0	0.3	37	0.99	0.048	6	15	0.36	45	0.040	3	1.22	0.020	0.02	0.7	0.07	1.6	<0.1	<0.05	4	0.7	0.3
11.3	656	2.57	20.2	2.3	0.5	27	0.6	1.8	0.2	26	1.19	0.074	8	15	0.44	50	0.036	9	1.51	0.030	0.02	0.5	0.09	2.1	<0.1	<0.05	3	1.0	0.3
2.7	91	2.79	23.6	1.1	0.4	5	0.2	1.0	0.2	110	0.13	0.038	3	22	0.12	15	0.152	2	0.78	0.015	0.02	1.4	0.11	1.8	<0.1	0.08	10	1.1	<0.2
11.1	613	2.58	27.1	3.4	0.5	18	0.5	2.0	0.3	31	0.86	0.072	8	16	0.36	35	0.038	2	1.61	0.022	0.02	0.9	0.09	2.1	<0.1	<0.05	4	1.1	<0.2
35.5	796	4.96	10.0	4.9	0.4	23	0.2	0.4	<0.1	133	1.36	0.065	2	115	2.11	14	0.363	3	3.29	0.038	0.02	0.2	0.03	7.8	<0.1	<0.05	9	<0.5	<0.2
34.2	780	5.13	10.8	4.4	0.5	27	0.3	0.5	<0.1	142	1.37	0.053	3	125	2.27	16	0.388	5	3.35	0.036	0.02	0.2	0.03	8.4	<0.1	<0.05	9	0.6	<0.2
40.5	835	5.70	18.1	10.3	0.8	21	0.3	0.8	0.1	162	0.94	0.075	5	116	1.65	19	0.407	5	5.74	0.035	0.02	0.3	0.07	12.1	<0.1	<0.05	11	1.0	<0.2
20.5	1033	4.00	26.0	4.3	0.5	18	0.6	1.9	0.3	81	0.68	0.072	8	51	0.78	43	0.125	3	2.39	0.024	0.02	0.5	0.09	4.8	<0.1	<0.05	7	1.0	0.2
7.3	271	4.49	31.2	8.5	0.7	10	0.4	2.2	0.3	69	0.26	0.033	4	27	0.47	22	0.101	2	1.63	0.015	0.02	0.8	0.10	2.8	<0.1	<0.05	8	1.1	0.5
6.6	589	1.53	20.4	1.8	0.2	27	0.8	1.7	0.2	25	1.55	0.057	5	14	0.23	44	0.029	8	1.03	0.013	0.02	1.0	0.15	1.4	<0.1	0.12	4	1.0	<0.2
10.2	615	2.18	31.6	4.9	0.6	28	0.8	3.5	0.2	28	1.68	0.080	9	18	0.38	41	0.038	27	1.66	0.021	0.02	2.1	0.06	2.2	<0.1	0.07	3	1.2	<0.2
12.3	855	2.30	32.3	3.0	0.5	29	0.9	2.7	0.2	28	1.41	0.087	10	19	0.42	48	0.035	18	1.90	0.022	0.02	0.9	0.11	2.5	<0.1	0.07	4	1.5	0.2
7.9	381	2.36	20.6	3.9	0.7	16	0.4	2.3	0.2	37	0.59	0.074	7	18	0.40	28	0.052	2	1.61	0.024	0.01	0.8	0.09	2.1	<0.1	<0.05	4	0.7	0.3
9.6	508	2.84	24.2	4.0	0.6	15	0.4	2.4	0.3	43	0.54	0.078	8	20	0.42	34	0.058	3	1.67	0.019	0.02	0.8	0.13	2.4	<0.1	0.05	5	<0.5	0.2
34.3	785	4.80	12.6	15.0	0.5	25	0.2	0.6	0.1	148	1.30	0.051	3	105	1.85	16	0.376	3	3.30	0.033	0.02	0.3	0.05	9.2	<0.1	<0.05	10	0.6	<0.2
36.1	1008	5.12	14.3	5.1	0.5	31	0.2	0.5	0.1	146	1.52	0.053	4	113	2.15	24	0.388	4	3.58	0.043	0.02	0.3	0.08	8.6	<0.1	<0.05	10	<0.5	<0.2
31.9	982	4.69	24.1	5.5	0.6	30	0.4	1.3	0.2	126	1.28	0.053	5	84	1.43	31	0.269	4	3.04	0.032	0.02	0.4	0.10	6.9	<0.1	<0.05	9	0.9	<0.2
9.2	680	1.90	35.8	5.5	0.6	24	0.7	3.5	0.2	22	1.68	0.087	10	14	0.30	39	0.032	35	1.56	0.016	0.03	2.0	0.06	2.1	<0.1	0.09	2	0.8	<0.2
12.4	441	2.69	28.5	6.4	0.7	18	0.3	2.4	0.2	31	0.77	0.070	8	21	0.49	35	0.046	2	2.40	0.020	0.01	1.0	0.07	2.7	<0.1	<0.05	5	0.6	0.3
7.4	550	2.61	27.5	3.5	0.3	16	0.4	2.0	0.3	49	0.88	0.050	5	21	0.25	26	0.061	3	1.46	0.011	0.02	1.2	0.15	1.7	<0.1	0.05	6	0.7	<0.2

Sample #	Type	Sampler	Zone/Area	Date	Easting Zone 9 NAD83	Northing Zone 9 Nad 83	Stream Width (m)	Stream Depth (m)	Energy	Banks	Sample Rating	Comments
E5396860	moss	I Webster	Conuma N branch	16-Apr-13	684431	5529589	10.00	0.30	med	treed	good	same sample site as silt E5396810.
E5396861	moss	I Webster	Conuma N branch	17-Apr-13	684622	5528813						from rock face near stream surface.
E5396862	moss	I Webster	Conuma N branch	18-Apr-13	685421	5528388	0.50	0.20	med	mossy	mod	steep rocky stream.
E5396863	moss	I Webster	Conuma N branch	19-Apr-13	684604	5531205						same site as silt sample E5396815.
E5396864	moss	A Marsh	Conuma W Branch	26-Apr-14	690482	5525039	1.00	0.30	med	mossy	good	Lots of trees and debris upstream
E5396865	moss	A Marsh	Conuma W Branch	26-Apr-14	690460	5525050	0.50	0.10	low	bushy	bad	Steep rock face, shallow spreaded strear
E5396866	moss	A Marsh	Conuma W Branch	26-Apr-14	690447	5525054	0.50	0.10	low	mossy	good	Steep jagged face, many trickling stream
E5396867	moss	A Marsh	Conuma W Branch	26-Apr-14	690407	5525103	2	0.05	very low	mossy	good	trickling waterfall, steep face
E5396868	moss	A Marsh	Conuma W Branch	26-Apr-14	690388	5525171	0.75	0.3	med	mossy	good	logging debris & bush cover
E5396869	moss	A Marsh	Conuma W Branch	26-Apr-14	690739	5525430	2.00	0.30	high	trees	good	Steep brecciated rock face*
E5396870	moss	A Marsh	Conuma W Branch	26-Apr-14	690049	5525459	4.00	0.50	high	cut away	med	Big rocks, evidence of very high energy n
E5396871	moss	A Marsh	Conuma S Branch	28-Apr-14	692220	5524854	0.10	0.05	low	bushy	med	logging debris & bush cover
E5396872	moss	A Marsh	Conuma S Branch	28-Apr-14	692190	5524818	NA	NA		low	ledge	med Cliffside on sedimentary bedding strike/di
E5396873	moss	A Marsh	Conuma S Branch	28-Apr-14	692444	5524897	0.5	0.05	low	slash	good	shallow banks
E5396874	moss	A Marsh	Conuma S Branch	28-Apr-14	692611	5524983	NA	NA		low	rocky	med Rock ledge
E5396875	moss	A Marsh	Conuma S Branch	29-Apr-14	692306	5524948	0.2	0.04	low	mossy	good	
E5396876	moss	A Marsh	Conuma S Branch	29-Apr-14	692422	5524959	NA	NA		low	ledge	good
E5396877	moss	A Marsh	Conuma S Branch	29-Apr-14	692453	5524944	1	0.05	low	ledge	mod	blasted road bank stream
E5396878	moss	A Marsh	Conuma S Branch	29-Apr-14	692491	5524989	3	0.3	med	mossy	good	steep braided
E5396879	moss	A Marsh	Conuma S Branch	29-Apr-14	692573	5524995	NA	NA		very low	ledge	poor trickling ledge
E5396880	moss	A Marsh	Conuma S Branch	30-Apr-14	692351	5525093	NA	NA		very low	cliff crac	mod
E5396881	moss	A Marsh	Conuma S Branch	30-Apr-14	692432	5525055	0.1	0.01	low	ledge	mod	mossy
E5396882	moss	A Marsh	Conuma S Branch	30-Apr-14	692499	5525067	3	0.3	high	mossy	good	waterfall base

Sample #	Analyte	Mo	Cu	Pb	Zn	Ag
	Unit	PPM	PPM	PPM	PPM	PPM
	MDL	0.1	0.1	0.1	1	0.1
E5396860	Moss	0.9	181.3	8.8	63	0.2
E5396861	Moss	1.0	189.9	8.0	62	0.3
E5396862	Moss	0.7	59.1	3.1	19	0.1
E5396863	Moss	2.1	159.7	10.5	47	0.5
E5396864	Moss	1.0	42.9	5.4	46	0.2
E5396865	Moss	0.7	42.4	6.2	17	0.1
E5396866	Moss	0.5	12.4	5.0	33	<0.1
E5396867	Moss	0.9	46.5	7.6	100	0.1
E5396868	Moss	1.2	54.3	7.3	106	0.2
E5396869	Moss	0.7	23.2	5.1	133	0.1
E5396870	Moss	0.3	42.2	6.9	63	0.2
E5396871	Moss	0.7	7.6	5.5	7	0.1
E5396872	Moss	4.1	41.7	2.9	22	0.3
E5396873	Moss	4.0	141.7	11.7	16	0.3
E5396874	Moss	6.4	108.7	4.9	31	0.2
E5396875	Moss	0.4	13.0	7.4	15	<0.1
E5396876	Moss	2.3	18.0	8.8	11	0.1
E5396877	Moss	2.8	300.6	8.6	47	0.2
E5396878	Moss	3.0	221.4	17.2	62	0.2
E5396879	Moss	5.7	322.3	8.7	53	0.2
E5396880	Moss	3.4	490.4	5.9	87	0.5
E5396881	Moss	9.9	442.0	9.5	127	0.4
E5396882	Moss	4.1	197.3	13.7	60	0.2

Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
PPM	PPM	PPM	%	PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM
0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
80.2	34.6	607	4.63	29.6	36.9	0.5	30	0.4	1.4	0.3	130	1.44	0.048	3	120	1.51	13	0.303	3	2.89	0.033	0.03	1.7	0.03	6.5	<0.1	<0.05	8	<0.5	<0.2
87.1	31.9	536	4.67	23.4	350.8	0.5	28	0.3	1.3	0.3	130	1.49	0.047	2	132	1.55	11	0.315	4	2.65	0.037	0.03	1.6	0.02	6.4	<0.1	0.15	9	0.7	<0.2
9.4	24.3	598	1.90	1.7	2.4	0.5	10	<0.1	0.2	<0.1	50	0.20	0.041	5	13	0.17	32	0.072	2	1.62	0.007	0.03	0.2	0.11	1.7	<0.1	<0.05	5	1.0	<0.2
18.9	62.3	1531	2.01	62.6	27.0	0.1	17	0.6	0.8	0.4	53	0.53	0.094	5	42	0.26	16	0.046	6	2.92	0.007	0.06	0.9	0.22	3.4	<0.1	0.10	4	4.8	<0.2
27.0	9.2	664	1.34	32.9	3.5	0.1	30	0.8	1.0	0.1	36	1.97	0.082	9	21	0.34	60	0.024	19	1.25	0.009	0.09	0.8	0.15	2.1	<0.1	0.19	3	2.5	<0.2
17.0	4.7	1486	0.22	4.1	2.7	<0.1	41	1.7	1.4	<0.1	6	2.91	0.071	20	5	0.12	74	0.006	20	0.49	0.004	0.05	0.2	0.17	0.8	<0.1	0.09	<1	1.7	<0.2
7.9	4.0	369	0.94	7.1	<0.5	0.1	41	0.3	0.4	<0.1	26	2.44	0.047	5	8	0.20	63	0.024	9	0.64	0.005	0.05	0.2	0.15	1.0	<0.1	0.06	3	0.7	<0.2
15.4	15.1	1512	1.82	61.7	4.4	0.2	35	0.4	1.2	<0.1	39	1.36	0.086	10	10	0.30	183	0.024	7	1.56	0.010	0.12	0.5	0.15	3.4	<0.1	<0.05	3	0.6	<0.2
40.6	6.7	1581	1.51	38.9	4.2	0.1	31	3.3	1.9	<0.1	28	2.35	0.080	6	18	0.17	58	0.017	34	1.11	0.006	0.07	0.7	0.15	1.7	0.1	0.13	2	3.8	<0.2
9.1	5.0	614	0.64	8.2	1.1	<0.1	31	1.1	1.1	0.1	12	2.78	0.097	7	13	0.19	54	0.016	49	0.54	0.011	0.14	0.3	0.14	0.7	<0.1	0.12	1	4.6	<0.2
32.5	10.1	468	2.33	16.9	2.2	1.1	36	1.0	2.0	0.1	30	2.23	0.082	10	16	0.49	51	0.050	27	1.26	0.037	0.02	0.7	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
1.9	0.8	51	0.77	<0.5	6.9	0.2	6	<0.1	<0.1	0.2	63	0.13	0.035	3	10	0.05	29	0.068	<1	0.45	0.004	0.06	<0.1	0.09	0.8	<0.1	<0.05	7	<0.5	<0.2
4.4	2.3	42	1.97	2.5	1.1	<0.1	9	0.1	0.3	0.1	82	0.12	0.077	2	7	0.06	47	0.024	5	0.91	0.009	0.22	<0.1	0.17	0.9	<0.1	0.08	3	2.6	<0.2
7.0	8.0	239	1.35	1.8	3.0	<0.1	10	<0.1	<0.1	0.2	41	0.26	0.087	3	13	0.10	47	0.050	2	0.80	0.008	0.10	<0.1	0.19	1.1	0.1	<0.05	6	0.9	<0.2
13.7	7.3	102	1.33	0.6	2.3	<0.1	11	0.2	0.1	0.1	50	0.40	0.079	2	8	0.09	30	0.050	2	0.65	0.008	0.18	<0.1	0.16	1.0	<0.1	<0.05	7	0.5	<0.2
2.8	2.8	25	0.92	<0.5	1.7	<0.1	8	0.1	<0.1	0.2	50	0.15	0.067	2	13	0.06	21	0.047	1	0.57	0.007	0.11	<0.1	0.14	1.3	<0.1	<0.05	7	<0.5	<0.2
2.2	1.8	72	0.70	<0.5	7.6	0.2	5	<0.1	0.1	0.3	97	0.23	0.017	2	10	0.07	18	0.153	<1	0.39	0.007	0.03	<0.1	0.05	0.8	<0.1	<0.05	9	<0.5	<0.2
14.5	15.6	308	1.61	9.2	7.1	0.1	12	0.1	0.4	0.2	65	0.40	0.086	3	14	0.22	107	0.062	2	1.36	0.010	0.21	0.1	0.12	2.1	0.1	0.06	7	0.7	<0.2
19.6	77.7	2901	1.86	5.5	10.1	<0.1	23	0.6	0.3	0.1	61	0.74	0.104	4	15	0.22	73	0.041	3	1.35	0.012	0.25	<0.1	0.17	1.8	<0.1	0.06	6	1.3	<0.2
16.8	29.4	1058	3.57	8.9	17.9	0.1	30	0.4	0.4	0.2	100	1.07	0.108	5	28	0.29	73	0.069	4	2.06	0.015	0.11	0.1	0.21	3.2	<0.1	0.05	11	2.6	<0.2
20.9	45.6	1373	3.00	21.1	67.4	0.5	34	0.4	0.4	0.2	85	1.12	0.094	8	41	0.32	98	0.068	3	7.21	0.010	0.04	0.2	0.18	8.1	<0.1	<0.05	8	2.1	<0.2
21.7	89.2	2968	4.26	12.9	14.1	0.3	29	0.8	0.4	0.3	130	1.02	0.107	6	36	0.44	122	0.078	3	2.51	0.018	0.21	0.1	0.19	5.2	0.1	0.07	10	2.2	<0.2
18.0	112.5	2921	2.06	5.4	6.6	0.1	21	0.8	0.4	0.3	70	0.67	0.086	6	17	0.27	140	0.059	3	1.86	0.012	0.08	0.1	0.18	2.5	<0.1	0.12	7	1.7	<0.2

Sample #	Type	Sampler	Zone/Area	Date	Easting NAD83 Zone 9	Northing NAD83 Zone 9	Rock description	Comments	Sample #		Analyte	Wgt	Au (3B)
											Unit	KG	PPB
											MDL	0.01	2
E5396766	0	I Webster	Norgate	23-Apr-14	692205	5525475	dacitic	Outcrop on outside curve on road. Quartz vein cutting dacite trends 125/18 (rhr), 4 - 7 cm wide, pyrite clots to 2 cm, possible sphalerite clots to 1.5 cm. Select grad sample. Dacite carries up to 3% disseminated fine pyrite.	E5396766	Rock			10
E5396767	rock	I Webster	Norgate	25-Apr-14	691394	5525879	andesite	gossanous greenisg grey rock underlying limestone carrying ~2% disseminated pyrite.	E5396767	Rock			<2
E5396768	rock	I Webster	Norgate	25-Apr-14	691804	5526015	limestone	outcrop on inside of switchback. Well bedded. Gossanous layer on top of outcrop ~2% pyrite in fine whispy layers. Reddish garnet found in float.	E5396768	Rock			5
E5396769	rock	I Webster	Norgate	25-Apr-14	691803	5525984	limestone	Quartz and biotite with possible sphalerite. STrong patches of this alteration - sreicite quartz.	E5396769	Rock			5
E5396770	rock	I Webster	Norgate	25-Apr-14	691778	5525935	tuff breccia	black and white strongly altered tuff breccia or posible conglomerate. Black felty bitotite abundant.	E5396770	Rock			10
E5396771	rock	I Webster	Norgate	28-Apr-14	692371	5524833	volcanic	gossanous clots containing pyrite and possible po to 2 cm with quartz and reddish garnet.	E5396771	Rock			29
E5396772	rock	I Webster	Norgate	28-Apr-14	692687	5524914	float	mineralized float in raod and upslope. Same site as another comapany's tag I550525.	E5396772	Rock			4

Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	PPM	PPM	%
0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05
0.6	194.5	2.6	21	0.5	8.7	43.8	271	3.23	1.4	9.3	<0.1	16	0.1	<0.1	0.2	44	0.33	0.015	<1	7	0.35	38	0.053	<20	0.76	0.102	0.22	<0.1	0.03	3.5	<0.1	2.37
0.9	73.2	2.1	32	0.2	44.3	21.2	178	3.01	2.4	<0.5	0.5	71	<0.1	1.3	<0.1	58	1.94	0.069	4	110	0.95	18	0.169	<20	2.61	0.180	0.11	0.2	0.03	3.3	<0.1	1.17
16.2	63.9	10.4	54	0.6	25.5	18.8	549	5.26	2.4	42.1	1.3	69	0.1	0.5	0.2	92	3.03	0.022	4	30	0.35	56	0.194	<20	3.72	0.078	0.19	0.7	0.08	9.0	<0.1	2.54
18.4	18.4	3.6	17	<0.1	3.3	4.3	186	1.98	0.7	9.6	2.6	4	<0.1	<0.1	0.3	7	0.05	0.013	12	3	0.36	64	0.004	<20	0.89	0.014	0.24	0.2	<0.01	1.9	<0.1	0.39
0.6	13.9	1.6	48	<0.1	9.5	6.4	230	2.69	0.5	13.3	3.6	7	<0.1	<0.1	0.7	44	0.09	0.019	11	17	0.54	95	0.084	<20	1.44	0.036	0.45	0.2	<0.01	3.9	0.1	<0.05
1.3	3254.2	1.7	86	2.1	65.9	76.0	270	5.26	13.6	21.5	0.2	47	1.4	1.0	0.6	45	5.44	0.045	3	18	0.52	104	0.190	<20	2.53	0.013	0.05	0.5	0.03	2.7	0.2	2.79
2.0	384.8	1.1	23	0.2	39.0	25.2	173	3.33	1.5	<0.5	1.2	9	0.2	0.2	<0.1	90	0.79	0.132	9	20	0.63	161	0.264	<20	0.78	0.103	0.07	0.2	<0.01	4.2	<0.1	1.10

Ga PPM 1	Se PPM 0.5	Te PPM 0.2
1	2.3	1.7
6	0.8	0.3
9	4.0	1.6
3	<0.5	<0.2
5	<0.5	<0.2
9	6.4	1.2
4	<0.5	<0.2

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Red Hut Metals Inc.**
750 - 580 Hornby Street
Vancouver BC V6C 3B6 CANADA

Submitted By: Ian Webster
Receiving Lab: Canada-Vancouver
Received: May 02, 2014
Report Date: May 09, 2014
Page: 1 of 7

CERTIFICATE OF ANALYSIS VAN14001441.1

CLIENT JOB INFORMATION

Project: CONUMA
Shipment ID:
P.O. Number
Number of Samples: 175

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	175	Dry at 60C			VAN
SS80	175	Dry at 60C sieve 100g to -80 mesh			VAN
AQ201	175	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DISP2	175	Heat treatment of Soils and Sediments			VAN

ADDITIONAL COMMENTS

Invoice To: Red Hut Metals Inc.
750 - 580 Hornby Street
Vancouver BC V6C 3B6
CANADA

CC: Robert Eadie

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **Red Hut Metals Inc.**
750 - 580 Hornby Street
Vancouver BC V6C 3B6 CANADA

Project: CONUMA
Report Date: May 09, 2014

CERTIFICATE OF ANALYSIS VAN14001441.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
E5396911	Soil	1.2	18.5	10.9	12	0.2	3.3	1.7	125	0.50	0.7	15.4	0.2	12	0.2	0.1	0.4	56	0.30	0.063	3
E5396912	Soil	0.8	24.0	7.3	5	<0.1	2.5	0.5	14	0.46	0.9	5.6	<0.1	6	0.2	<0.1	0.3	43	0.08	0.036	3
E5396913	Soil	1.0	8.5	10.8	6	0.2	1.6	0.5	28	0.50	<0.5	13.2	0.1	5	<0.1	0.2	0.5	74	0.08	0.030	3
E5396914	Soil	3.3	13.2	5.6	14	0.4	3.7	1.4	76	0.32	1.2	2.4	<0.1	12	0.2	0.1	0.1	33	0.38	0.078	2
E5396915	Soil	44.7	16.5	8.5	13	0.3	2.2	1.4	55	2.75	1.9	3.3	1.2	4	0.2	0.3	0.5	245	0.04	0.018	7
E5396916	Soil	17.0	18.8	8.0	20	0.8	3.7	1.7	135	1.43	6.1	2.3	0.6	9	0.4	0.4	0.2	140	0.22	0.058	3
E5396917	Soil	0.1	8.3	2.1	15	0.3	2.2	0.4	126	0.05	<0.5	1.0	<0.1	20	0.5	<0.1	<0.1	<2	0.31	0.028	<1
E5396918	Soil	36.5	76.4	10.0	53	0.2	12.1	22.3	544	15.24	47.0	4.0	3.0	3	0.3	0.5	0.5	289	0.09	0.060	5
E5396919	Soil	0.1	3.7	2.1	17	<0.1	1.5	0.5	53	0.07	<0.5	<0.5	<0.1	19	0.1	<0.1	<0.1	2	0.13	0.044	<1
E5396920	Soil	1.2	4.0	2.9	4	<0.1	0.9	0.7	70	0.53	<0.5	3.3	0.7	4	<0.1	0.2	0.2	67	0.08	0.007	4
E5396921	Soil	2.7	41.8	7.1	12	0.2	9.5	2.4	50	0.43	<0.5	3.9	<0.1	9	0.1	0.2	0.3	39	0.19	0.042	7
E5396922	Soil	<0.1	3.6	1.1	10	<0.1	0.6	0.2	5	0.01	<0.5	1.7	<0.1	7	<0.1	<0.1	<0.1	<2	0.21	0.018	<1
E5396923	Soil	1.6	7.2	6.0	4	<0.1	1.3	0.6	24	0.65	<0.5	2.3	0.3	4	0.1	0.6	0.3	204	0.04	0.006	1
E5396924	Soil	0.4	13.8	4.3	5	0.1	2.5	1.3	54	0.55	0.5	6.4	0.2	3	0.2	0.3	<0.1	80	0.07	0.020	2
E5396925	Soil	1.3	72.7	5.2	19	0.3	4.1	2.5	50	0.31	<0.5	2.0	<0.1	9	0.4	0.1	<0.1	13	0.21	0.116	4
E5396926	Soil	0.5	3.6	3.6	3	<0.1	0.8	0.5	71	0.37	<0.5	6.0	0.5	3	<0.1	0.1	0.1	55	0.07	0.010	3
E5396927	Soil	0.4	14.3	6.5	8	<0.1	2.3	1.1	52	0.56	<0.5	4.2	<0.1	4	0.1	0.1	0.4	74	0.10	0.044	2
E5396928	Soil	0.2	4.7	0.5	13	<0.1	1.4	0.7	11	0.06	<0.5	<0.5	<0.1	16	0.2	<0.1	<0.1	2	0.26	0.026	<1
E5396929	Soil	0.7	14.5	8.1	8	<0.1	3.3	0.8	20	0.59	<0.5	11.6	<0.1	5	<0.1	0.1	0.3	59	0.09	0.092	3
E5396930	Soil	0.3	4.1	5.9	6	<0.1	1.0	0.5	63	0.41	<0.5	8.4	0.4	6	0.1	<0.1	0.2	80	0.04	0.020	3
E5396931	Soil	0.4	4.1	6.2	5	0.1	1.1	0.4	57	0.35	<0.5	8.8	0.4	3	0.1	0.1	0.3	92	0.07	0.019	3
E5396932	Soil	0.9	9.1	7.5	6	<0.1	1.4	0.6	46	0.35	<0.5	3.6	0.1	4	<0.1	0.1	0.2	56	0.13	0.037	2
E5396933	Soil	0.5	6.3	6.6	3	<0.1	1.0	0.4	59	0.24	<0.5	5.9	0.6	4	<0.1	0.1	0.2	71	0.06	0.015	4
E5396934	Soil	0.6	13.7	5.9	5	<0.1	2.1	1.2	52	0.65	<0.5	5.6	0.3	5	<0.1	<0.1	0.2	100	0.12	0.018	3
E5396935	Soil	0.7	6.6	7.3	4	<0.1	1.2	0.5	59	0.19	<0.5	17.2	0.8	6	0.1	<0.1	0.3	55	0.12	0.012	4
E5396936	Soil	0.5	3.1	3.1	6	0.1	0.8	0.4	53	0.24	<0.5	4.8	0.4	3	<0.1	<0.1	0.1	41	0.08	0.011	3
E5396937	Soil	0.2	5.4	2.2	15	<0.1	1.6	0.2	31	0.06	<0.5	<0.5	<0.1	22	0.2	<0.1	<0.1	<2	1.23	0.044	<1
E5396938	Soil	0.1	3.6	2.4	12	<0.1	1.2	0.2	26	0.07	<0.5	1.6	<0.1	24	0.1	<0.1	<0.1	2	0.20	0.042	<1
E5396939	Soil	0.2	4.6	2.4	10	0.3	1.5	0.2	45	0.05	<0.5	<0.5	<0.1	16	0.2	<0.1	<0.1	<2	1.01	0.041	<1
E5396940	Soil	0.4	21.0	3.5	7	0.1	2.3	1.3	49	0.56	<0.5	5.0	0.2	5	0.1	0.1	0.1	74	0.18	0.026	2

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CERTIFICATE OF ANALYSIS VAN14001441.1

Method		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
E5396911	Soil	11	0.08	39	0.126	2	0.48	0.012	0.07	<0.1	0.17	1.0	<0.1	0.11	7	0.7	<0.2
E5396912	Soil	42	0.04	15	0.060	<1	0.77	0.010	0.03	<0.1	0.09	1.8	<0.1	0.07	10	0.9	<0.2
E5396913	Soil	22	0.03	20	0.125	1	0.55	0.008	0.03	<0.1	0.12	1.1	<0.1	<0.05	10	<0.5	<0.2
E5396914	Soil	4	0.06	40	0.027	4	0.37	0.014	0.08	0.1	0.25	0.6	<0.1	0.09	2	0.7	<0.2
E5396915	Soil	11	0.06	28	0.184	<1	0.85	0.006	0.02	<0.1	0.04	1.1	<0.1	<0.05	18	<0.5	<0.2
E5396916	Soil	7	0.11	44	0.087	2	0.49	0.014	0.05	0.2	0.22	1.1	<0.1	0.07	5	2.1	<0.2
E5396917	Soil	1	0.08	29	0.003	2	0.07	0.011	0.05	<0.1	0.14	0.4	<0.1	0.09	<1	<0.5	<0.2
E5396918	Soil	105	0.24	19	0.225	2	6.48	0.006	0.02	0.2	0.17	6.7	<0.1	0.09	34	3.9	<0.2
E5396919	Soil	2	0.17	25	0.003	2	0.12	0.016	0.07	<0.1	0.11	0.4	<0.1	0.12	<1	0.8	<0.2
E5396920	Soil	5	0.02	9	0.083	1	0.25	0.003	0.02	<0.1	0.03	0.2	<0.1	<0.05	8	<0.5	<0.2
E5396921	Soil	14	0.07	32	0.053	<1	2.26	0.009	0.02	<0.1	0.13	1.2	<0.1	0.17	11	1.5	<0.2
E5396922	Soil	<1	0.05	2	<0.001	1	0.03	0.008	0.02	<0.1	0.07	0.2	<0.1	<0.05	<1	<0.5	<0.2
E5396923	Soil	26	0.05	16	0.454	1	0.29	0.004	0.02	<0.1	0.03	1.2	<0.1	<0.05	10	<0.5	<0.2
E5396924	Soil	16	0.05	20	0.146	1	0.21	0.006	0.02	<0.1	0.05	0.9	<0.1	<0.05	4	<0.5	<0.2
E5396925	Soil	8	0.05	33	0.015	4	1.09	0.012	0.03	<0.1	0.26	0.7	<0.1	0.19	2	2.1	<0.2
E5396926	Soil	13	0.04	11	0.109	<1	0.24	0.005	0.01	<0.1	0.03	0.8	<0.1	<0.05	5	<0.5	<0.2
E5396927	Soil	16	0.06	13	0.077	<1	0.47	0.008	0.05	<0.1	0.10	1.3	<0.1	0.08	9	<0.5	<0.2
E5396928	Soil	1	0.04	23	0.004	<1	0.07	0.010	0.01	<0.1	0.10	0.4	<0.1	0.11	<1	<0.5	<0.2
E5396929	Soil	17	0.05	18	0.060	<1	0.70	0.008	0.05	<0.1	0.21	1.8	<0.1	0.14	10	<0.5	<0.2
E5396930	Soil	17	0.05	19	0.119	1	0.25	0.007	0.03	<0.1	0.05	1.1	<0.1	<0.05	6	<0.5	<0.2
E5396931	Soil	11	0.04	9	0.128	<1	0.34	0.006	0.03	<0.1	0.04	0.8	<0.1	<0.05	9	<0.5	<0.2
E5396932	Soil	14	0.05	13	0.107	<1	0.35	0.007	0.03	<0.1	0.09	1.3	<0.1	0.06	7	<0.5	<0.2
E5396933	Soil	11	0.03	6	0.137	<1	0.49	0.005	0.02	<0.1	0.04	1.3	<0.1	<0.05	13	<0.5	<0.2
E5396934	Soil	23	0.05	14	0.138	<1	0.48	0.005	0.02	<0.1	0.06	1.4	<0.1	<0.05	11	<0.5	<0.2
E5396935	Soil	12	0.03	13	0.140	<1	0.32	0.005	0.02	<0.1	0.04	0.7	<0.1	<0.05	9	<0.5	<0.2
E5396936	Soil	7	0.03	6	0.080	<1	0.14	0.006	0.02	<0.1	0.05	0.5	<0.1	<0.05	3	<0.5	<0.2
E5396937	Soil	2	0.08	24	0.003	4	0.10	0.014	0.04	<0.1	0.19	0.3	<0.1	0.12	<1	1.7	<0.2
E5396938	Soil	2	0.18	15	0.003	2	0.09	0.023	0.06	<0.1	0.10	0.3	<0.1	0.09	<1	<0.5	<0.2
E5396939	Soil	1	0.08	16	0.003	5	0.07	0.014	0.09	<0.1	0.20	0.4	<0.1	0.12	<1	1.1	<0.2
E5396940	Soil	6	0.08	9	0.123	3	0.21	0.011	0.02	<0.1	0.08	1.2	<0.1	<0.05	4	<0.5	<0.2

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Project: CONUMA
Report Date: May 09, 2014

CERTIFICATE OF ANALYSIS VAN14001441.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
E5396941	Soil	0.2	12.9	3.6	5	0.5	1.6	1.1	56	0.45	<0.5	10.1	0.1	3	0.1	<0.1	<0.1	67	0.11	0.028	1
E5396942	Soil	1.0	11.8	7.2	4	0.1	1.9	0.8	28	0.80	<0.5	4.8	0.2	6	<0.1	<0.1	0.3	75	0.10	0.037	2
E5396943	Soil	1.3	99.8	6.3	21	0.2	9.3	5.8	185	2.48	3.3	10.0	0.6	14	0.1	0.3	0.4	124	0.46	0.045	3
E5396944	Soil	12.5	8.6	8.3	6	0.1	1.3	0.5	97	0.55	<0.5	16.8	0.3	4	<0.1	0.2	0.4	78	0.11	0.033	3
E5396945	Soil	0.2	6.9	3.0	11	<0.1	2.3	1.8	39	0.34	<0.5	2.0	<0.1	9	<0.1	<0.1	<0.1	37	0.18	0.036	<1
E5396946	Soil	0.2	5.9	6.4	4	<0.1	1.0	0.6	84	0.27	<0.5	8.4	0.5	4	<0.1	<0.1	0.3	52	0.06	0.017	4
E5396947	Soil	0.3	12.4	7.4	8	<0.1	2.2	1.0	20	0.41	<0.5	4.9	<0.1	2	<0.1	<0.1	0.2	56	0.09	0.051	2
E5396948	Soil	0.4	8.6	5.5	8	<0.1	1.8	1.7	41	0.74	<0.5	8.4	0.4	4	<0.1	0.2	0.2	90	0.09	0.023	3
E5396949	Soil	0.2	8.9	4.0	6	<0.1	1.5	0.7	35	0.51	<0.5	9.1	0.2	3	<0.1	<0.1	0.2	60	0.09	0.026	2
E5396950	Soil	0.5	14.0	7.0	4	<0.1	1.6	0.6	22	0.83	<0.5	8.5	0.2	3	<0.1	<0.1	0.2	49	0.06	0.023	3
E5396951	Soil	0.6	33.7	4.0	17	<0.1	3.1	1.4	50	0.50	<0.5	18.8	<0.1	7	0.4	<0.1	<0.1	32	0.22	0.068	2
E5396952	Soil	1.0	32.4	8.4	10	0.1	3.1	1.0	29	0.42	<0.5	6.4	<0.1	6	0.1	0.1	0.3	38	0.16	0.070	3
E5396953	Soil	0.3	7.3	3.0	6	0.1	1.5	0.8	59	0.33	<0.5	9.6	<0.1	3	<0.1	<0.1	0.2	53	0.15	0.026	1
E5396954	Soil	0.6	11.2	5.2	6	0.1	1.7	0.7	23	0.38	<0.5	6.7	<0.1	2	<0.1	<0.1	0.3	64	0.09	0.042	1
E5396955	Soil	0.8	28.0	5.5	8	0.2	2.8	1.4	39	0.62	<0.5	4.5	0.3	4	<0.1	0.2	0.2	73	0.15	0.029	2
E5396956	Soil	0.4	27.1	4.6	13	0.1	3.9	2.2	64	0.99	<0.5	2.8	<0.1	6	<0.1	<0.1	<0.1	44	0.23	0.054	2
E5396957	Soil	0.2	8.4	1.8	12	0.1	1.5	1.1	39	0.37	<0.5	2.0	<0.1	13	0.1	<0.1	0.1	27	0.18	0.034	<1
E5396958	Soil	0.4	6.3	8.2	5	<0.1	1.0	0.4	43	0.31	<0.5	3.8	0.5	4	<0.1	0.1	0.3	65	0.08	0.013	3
E5396959	Soil	0.2	20.3	4.9	6	<0.1	1.2	0.7	130	0.46	<0.5	6.1	0.2	4	<0.1	<0.1	0.2	53	0.13	0.028	2
E5396960	Soil	0.7	29.6	7.8	79	0.3	31.2	12.4	538	2.78	27.0	5.7	0.6	15	0.7	2.6	0.2	36	0.81	0.066	8
E5396961	Soil	0.6	24.4	6.7	66	0.2	29.2	10.9	577	2.39	25.8	4.5	0.3	13	0.6	2.4	0.2	37	0.62	0.061	9
E5396962	Soil	0.7	34.4	7.9	73	0.2	29.5	11.7	464	3.08	26.8	8.7	0.6	14	0.5	2.8	0.2	42	0.55	0.064	7
E5396963	Soil	0.7	27.8	7.4	66	0.2	26.9	10.4	627	2.66	21.4	3.8	0.3	14	0.6	2.6	0.2	41	0.69	0.060	7
E5396964	Soil	0.8	33.5	7.4	71	0.3	35.7	13.4	1005	2.49	32.2	5.7	0.3	14	0.7	3.8	0.2	37	0.73	0.067	11
E5396965	Soil	0.5	24.1	6.3	60	0.2	23.8	8.6	414	2.54	16.3	5.1	0.4	13	0.5	2.1	0.2	43	0.64	0.059	6
E5396966	Soil	0.5	15.4	3.1	32	0.1	11.4	3.1	74	1.54	12.4	3.4	0.3	9	0.2	1.2	0.1	51	0.40	0.021	3
E5396967	Soil	1.1	25.9	7.4	62	0.2	19.8	9.2	727	2.14	17.7	4.5	1.1	13	0.4	1.4	0.1	32	0.64	0.052	10
E5396968	Soil	0.6	28.2	7.1	61	0.3	28.3	8.7	313	2.73	18.4	5.1	0.5	15	0.3	1.9	0.2	36	0.72	0.065	6
E5396969	Soil	0.6	15.4	6.5	51	0.2	11.8	6.1	333	1.60	8.2	4.1	0.2	13	0.7	1.1	0.1	34	0.74	0.044	5
E5396970	Soil	0.7	26.7	7.6	59	0.2	21.2	6.8	406	2.88	26.1	4.3	0.4	10	0.4	2.6	0.3	57	0.47	0.030	7

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750 - 580 Hornby Street
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Project: CONUMA
Report Date: May 09, 2014

CERTIFICATE OF ANALYSIS VAN14001441.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
E5396941	Soil	9	0.06	4	0.111	1	0.25	0.009	0.03	<0.1	0.11	1.1	<0.1	<0.05	3	<0.5	<0.2
E5396942	Soil	13	0.06	14	0.131	1	0.53	0.006	0.03	<0.1	0.10	1.4	<0.1	0.06	9	<0.5	<0.2
E5396943	Soil	23	0.31	25	0.130	3	1.59	0.017	0.04	0.1	0.13	3.5	<0.1	<0.05	10	0.7	<0.2
E5396944	Soil	11	0.04	10	0.160	<1	0.48	0.007	0.03	<0.1	0.07	1.2	<0.1	0.07	14	<0.5	<0.2
E5396945	Soil	8	0.08	13	0.066	2	0.27	0.015	0.05	<0.1	0.06	1.4	<0.1	0.06	2	0.7	<0.2
E5396946	Soil	16	0.03	10	0.093	<1	0.62	0.006	0.02	<0.1	0.07	1.4	<0.1	<0.05	13	<0.5	<0.2
E5396947	Soil	17	0.05	8	0.083	3	0.43	0.007	0.04	<0.1	0.11	2.1	<0.1	0.12	6	<0.5	<0.2
E5396948	Soil	8	0.05	10	0.112	2	0.38	0.006	0.03	<0.1	0.04	1.3	<0.1	0.07	8	<0.5	<0.2
E5396949	Soil	14	0.04	8	0.073	1	0.30	0.007	0.03	<0.1	0.08	1.5	<0.1	0.08	5	<0.5	<0.2
E5396950	Soil	23	0.03	14	0.086	<1	0.56	0.007	0.03	<0.1	0.06	2.1	<0.1	0.10	10	<0.5	<0.2
E5396951	Soil	12	0.08	30	0.034	2	0.78	0.021	0.07	<0.1	0.23	2.0	<0.1	0.12	3	0.7	<0.2
E5396952	Soil	23	0.04	20	0.044	1	0.68	0.011	0.05	<0.1	0.19	1.3	<0.1	<0.05	9	<0.5	<0.2
E5396953	Soil	8	0.05	12	0.059	2	0.23	0.008	0.02	<0.1	0.06	0.8	<0.1	<0.05	2	<0.5	<0.2
E5396954	Soil	17	0.05	6	0.088	<1	0.38	0.007	0.03	<0.1	0.06	0.9	<0.1	0.08	5	<0.5	<0.2
E5396955	Soil	10	0.06	14	0.116	2	0.39	0.007	0.02	<0.1	0.07	1.1	<0.1	0.06	4	<0.5	<0.2
E5396956	Soil	10	0.11	14	0.045	2	0.60	0.016	0.05	<0.1	0.12	1.2	<0.1	0.08	4	<0.5	<0.2
E5396957	Soil	5	0.07	8	0.053	2	0.28	0.017	0.03	<0.1	0.09	1.1	<0.1	<0.05	1	<0.5	<0.2
E5396958	Soil	11	0.03	10	0.123	<1	0.60	0.004	0.02	<0.1	0.03	1.2	<0.1	<0.05	16	<0.5	<0.2
E5396959	Soil	12	0.04	9	0.067	1	0.39	0.006	0.02	<0.1	0.09	1.3	<0.1	0.08	6	<0.5	<0.2
E5396960	Soil	23	0.39	39	0.051	2	1.84	0.021	0.02	0.8	0.07	2.3	<0.1	0.07	5	0.7	0.2
E5396961	Soil	29	0.39	32	0.041	2	1.80	0.017	0.02	1.7	0.10	2.1	<0.1	0.05	5	<0.5	0.2
E5396962	Soil	26	0.45	37	0.060	2	1.99	0.017	0.02	0.7	0.14	2.7	<0.1	<0.05	5	0.8	0.3
E5396963	Soil	22	0.33	42	0.051	2	1.60	0.018	0.02	0.6	0.10	2.1	<0.1	0.10	5	0.5	0.3
E5396964	Soil	32	0.42	35	0.041	3	2.03	0.016	0.02	1.0	0.13	2.6	<0.1	0.06	5	0.9	<0.2
E5396965	Soil	19	0.30	33	0.048	1	1.56	0.019	0.01	1.3	0.10	2.1	<0.1	0.07	5	0.8	0.2
E5396966	Soil	15	0.13	12	0.074	1	0.64	0.010	0.01	0.6	0.07	1.5	<0.1	0.09	6	<0.5	0.3
E5396967	Soil	17	0.35	43	0.034	2	1.36	0.017	0.04	0.9	0.06	2.3	<0.1	<0.05	4	<0.5	<0.2
E5396968	Soil	20	0.37	29	0.046	2	1.94	0.020	0.02	1.1	0.12	2.4	<0.1	0.07	5	0.8	0.3
E5396969	Soil	13	0.13	24	0.045	3	0.87	0.013	0.02	0.6	0.12	1.2	<0.1	0.10	5	0.5	0.3
E5396970	Soil	21	0.28	35	0.072	2	1.17	0.013	0.02	0.7	0.10	2.1	<0.1	<0.05	6	0.6	0.3

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
E5396971	Soil	0.6	27.2	6.2	59	0.3	26.8	9.1	413	2.23	19.8	3.5	0.6	22	0.4	1.8	0.2	24	1.36	0.070	8
E5396972	Soil	0.4	29.2	7.2	63	0.2	24.6	10.2	453	2.46	16.2	3.4	0.4	16	0.2	1.6	0.2	28	0.94	0.070	8
E5396973	Soil	0.5	19.0	8.2	53	0.2	17.5	6.5	272	1.70	14.5	2.7	0.1	14	0.4	1.2	0.2	24	0.91	0.075	5
E5396974	Soil	0.3	12.9	4.7	41	0.1	14.8	4.6	174	1.34	7.9	4.9	0.2	14	0.1	1.2	0.2	20	1.10	0.034	2
E5396975	Soil	0.3	29.7	4.0	42	0.2	24.6	7.4	297	1.71	11.9	2.1	0.7	31	0.6	1.9	<0.1	24	1.97	0.059	7
E5396976	Soil	0.9	25.5	9.0	92	0.3	24.6	9.4	583	2.24	25.9	12.7	0.5	21	0.6	0.9	0.2	34	0.87	0.076	9
E5396977	Soil	2.8	75.8	22.5	70	0.1	29.8	39.9	1040	2.98	41.4	5.9	2.8	16	0.2	0.7	<0.1	65	0.54	0.045	10
E5396978	Soil	2.0	43.9	18.0	50	0.1	19.6	26.7	980	2.78	72.9	3.4	2.6	14	0.2	0.5	<0.1	58	0.47	0.047	9
E5396979	Soil	2.0	41.6	5.8	46	0.2	13.6	9.7	459	3.05	36.3	3.0	1.3	6	0.4	0.4	0.1	81	0.18	0.048	7
E5396980	Soil	1.1	27.2	5.8	35	0.2	11.0	6.4	336	3.30	6.7	1.8	1.6	6	0.2	0.2	0.2	90	0.17	0.048	4
E5396981	Soil	0.8	20.8	4.8	23	0.1	4.5	3.7	144	3.41	3.1	1.8	1.0	7	<0.1	<0.1	0.3	123	0.13	0.028	5
E5396982	Soil	1.0	28.5	4.7	23	<0.1	5.5	3.8	238	3.24	3.1	1.8	1.3	7	0.1	0.1	0.1	109	0.14	0.044	4
E5396983	Soil	0.7	45.6	4.6	57	<0.1	18.8	10.3	721	3.05	27.1	15.6	1.1	21	0.4	0.4	<0.1	95	0.74	0.047	6
E5396984	Soil	1.0	23.5	6.7	40	0.1	12.1	5.9	399	2.88	14.7	3.0	0.4	10	0.4	0.3	0.2	59	0.32	0.046	5
E5396985	Soil	1.1	31.5	5.7	40	0.1	12.7	6.6	310	2.64	6.3	<0.5	0.9	8	0.4	0.2	0.2	68	0.20	0.048	5
E5396986	Soil	2.3	17.6	6.4	45	0.2	10.0	5.1	503	3.91	50.2	<0.5	0.8	15	0.3	0.4	0.2	104	0.56	0.035	6
E5396987	Soil	2.4	41.2	11.8	125	0.2	27.9	14.1	2150	4.15	70.6	<0.5	0.6	10	1.1	1.1	0.3	73	0.37	0.086	14
E5396988	Soil	0.7	36.5	9.5	93	0.2	29.5	11.8	911	2.69	25.0	6.3	0.4	23	0.8	1.8	0.3	32	1.20	0.089	8
E5396989	Soil	0.3	33.7	4.4	49	0.2	25.2	7.8	370	1.91	14.0	3.5	0.7	39	0.7	2.2	0.1	22	2.23	0.060	7
E5396990	Soil	0.5	26.0	7.2	67	0.2	22.9	8.1	409	2.55	22.3	1.7	0.2	19	0.5	2.0	0.3	37	0.99	0.048	6
E5396991	Soil	0.6	34.8	7.0	69	0.3	35.1	11.3	656	2.57	20.2	2.3	0.5	27	0.6	1.8	0.2	26	1.19	0.074	8
E5396992	Soil	1.0	11.4	5.6	26	0.2	8.9	2.7	91	2.79	23.6	1.1	0.4	5	0.2	1.0	0.2	110	0.13	0.038	3
E5396993	Soil	0.6	26.9	7.3	76	0.3	28.0	11.1	613	2.58	27.1	3.4	0.5	18	0.5	2.0	0.3	31	0.86	0.072	8
E5396994	Soil	0.5	169.9	3.7	71	<0.1	86.0	35.5	796	4.96	10.0	4.9	0.4	23	0.2	0.4	<0.1	133	1.36	0.065	2
E5396995	Soil	0.7	182.7	3.3	71	<0.1	91.2	34.2	780	5.13	10.8	4.4	0.5	27	0.3	0.5	<0.1	142	1.37	0.053	3
E5396996	Soil	1.1	170.8	4.1	55	0.2	67.6	40.5	835	5.70	18.1	10.3	0.8	21	0.3	0.8	0.1	162	0.94	0.075	5
E5396997	Soil	1.0	59.4	8.4	89	0.3	41.7	20.5	1033	4.00	26.0	4.3	0.5	18	0.6	1.9	0.3	81	0.68	0.072	8
E5396998	Soil	0.8	33.7	11.0	66	0.2	21.5	7.3	271	4.49	31.2	8.5	0.7	10	0.4	2.2	0.3	69	0.26	0.033	4
E5396999	Soil	0.5	22.4	5.2	52	0.2	17.0	6.6	589	1.53	20.4	1.8	0.2	27	0.8	1.7	0.2	25	1.55	0.057	5
E5397000	Soil	0.4	29.9	6.4	74	0.2	31.9	10.2	615	2.18	31.6	4.9	0.6	28	0.8	3.5	0.2	28	1.68	0.080	9

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Project: CONUMA
Report Date: May 09, 2014

CERTIFICATE OF ANALYSIS VAN14001441.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
E5396971	Soil	12	0.31	33	0.039	23	1.43	0.030	0.02	0.8	0.08	1.6	<0.1	0.10	4	0.9	0.3
E5396972	Soil	15	0.38	29	0.038	2	1.53	0.024	0.02	0.4	0.07	1.9	<0.1	0.07	4	0.7	<0.2
E5396973	Soil	11	0.23	28	0.027	8	1.06	0.019	0.03	0.7	0.14	1.1	<0.1	0.11	3	0.6	<0.2
E5396974	Soil	10	0.20	16	0.029	3	0.99	0.020	0.02	0.6	0.08	1.0	<0.1	0.08	4	<0.5	<0.2
E5396975	Soil	12	0.33	36	0.045	56	1.13	0.030	0.02	0.6	0.03	1.6	<0.1	0.11	3	<0.5	<0.2
E5396976	Soil	21	0.27	77	0.037	6	1.98	0.015	0.02	0.7	0.09	2.5	<0.1	0.05	5	0.6	<0.2
E5396977	Soil	70	0.73	85	0.075	3	1.83	0.018	0.10	0.3	0.04	6.1	<0.1	<0.05	5	<0.5	0.2
E5396978	Soil	67	0.69	63	0.065	3	1.58	0.022	0.10	0.2	0.05	5.1	<0.1	0.08	5	<0.5	<0.2
E5396979	Soil	33	0.16	14	0.100	2	3.85	0.011	0.01	1.2	0.21	4.6	<0.1	<0.05	8	1.5	<0.2
E5396980	Soil	35	0.14	16	0.125	2	4.51	0.011	0.01	0.6	0.19	5.3	<0.1	<0.05	9	1.1	<0.2
E5396981	Soil	21	0.11	15	0.118	1	2.63	0.011	0.01	0.3	0.12	2.5	<0.1	<0.05	9	0.9	<0.2
E5396982	Soil	27	0.14	15	0.121	1	3.60	0.012	0.02	0.1	0.18	3.9	<0.1	0.07	9	1.0	<0.2
E5396983	Soil	22	0.42	63	0.106	4	2.47	0.025	0.04	4.7	0.05	4.5	<0.1	<0.05	6	<0.5	<0.2
E5396984	Soil	18	0.19	22	0.045	2	1.71	0.013	0.02	1.2	0.15	2.3	<0.1	0.07	6	1.1	<0.2
E5396985	Soil	24	0.18	15	0.102	2	2.99	0.012	0.01	0.4	0.10	4.5	<0.1	0.05	7	0.8	<0.2
E5396986	Soil	34	0.18	37	0.099	2	2.44	0.013	0.01	1.7	0.15	3.0	<0.1	<0.05	10	1.6	<0.2
E5396987	Soil	38	0.31	47	0.046	2	3.36	0.011	0.01	1.1	0.21	4.5	<0.1	<0.05	7	2.5	0.2
E5396988	Soil	18	0.48	50	0.035	6	1.73	0.026	0.03	0.5	0.09	2.3	<0.1	<0.05	4	1.0	0.2
E5396989	Soil	12	0.41	41	0.043	67	1.17	0.030	0.02	0.3	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
E5396990	Soil	15	0.36	45	0.040	3	1.22	0.020	0.02	0.7	0.07	1.6	<0.1	<0.05	4	0.7	0.3
E5396991	Soil	15	0.44	50	0.036	9	1.51	0.030	0.02	0.5	0.09	2.1	<0.1	<0.05	3	1.0	0.3
E5396992	Soil	22	0.12	15	0.152	2	0.78	0.015	0.02	1.4	0.11	1.8	<0.1	0.08	10	1.1	<0.2
E5396993	Soil	16	0.36	35	0.038	2	1.61	0.022	0.02	0.9	0.09	2.1	<0.1	<0.05	4	1.1	<0.2
E5396994	Soil	115	2.11	14	0.363	3	3.29	0.038	0.02	0.2	0.03	7.8	<0.1	<0.05	9	<0.5	<0.2
E5396995	Soil	125	2.27	16	0.388	5	3.35	0.036	0.02	0.2	0.03	8.4	<0.1	<0.05	9	0.6	<0.2
E5396996	Soil	116	1.65	19	0.407	5	5.74	0.035	0.02	0.3	0.07	12.1	<0.1	<0.05	11	1.0	<0.2
E5396997	Soil	51	0.78	43	0.125	3	2.39	0.024	0.02	0.5	0.09	4.8	<0.1	<0.05	7	1.0	0.2
E5396998	Soil	27	0.47	22	0.101	2	1.63	0.015	0.02	0.8	0.10	2.8	<0.1	<0.05	8	1.1	0.5
E5396999	Soil	14	0.23	44	0.029	8	1.03	0.013	0.02	1.0	0.15	1.4	<0.1	0.12	4	1.0	<0.2
E5397000	Soil	18	0.38	41	0.038	27	1.66	0.021	0.02	2.1	0.06	2.2	<0.1	0.07	3	1.2	<0.2

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Method		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
E5397001	Soil	0.8	35.8	8.1	77	0.3	32.4	12.3	855	2.30	32.3	3.0	0.5	29	0.9	2.7	0.2	28	1.41	0.087	10
E5397002	Soil	0.5	26.0	5.2	54	0.1	20.1	7.9	381	2.36	20.6	3.9	0.7	16	0.4	2.3	0.2	37	0.59	0.074	7
E5397003	Soil	0.6	30.5	7.6	70	0.2	25.0	9.6	508	2.84	24.2	4.0	0.6	15	0.4	2.4	0.3	43	0.54	0.078	8
E5397004	Soil	1.1	166.9	4.2	65	0.1	75.5	34.3	785	4.80	12.6	15.0	0.5	25	0.2	0.6	0.1	148	1.30	0.051	3
E5397005	Soil	0.8	148.6	4.3	70	0.1	80.2	36.1	1008	5.12	14.3	5.1	0.5	31	0.2	0.5	0.1	146	1.52	0.053	4
E5397006	Soil	1.3	99.8	5.3	73	0.2	59.2	31.9	982	4.69	24.1	5.5	0.6	30	0.4	1.3	0.2	126	1.28	0.053	5
E5397007	Soil	0.4	26.8	5.6	72	0.2	23.7	9.2	680	1.90	35.8	5.5	0.6	24	0.7	3.5	0.2	22	1.68	0.087	10
E5397008	Soil	0.4	32.1	6.0	73	0.3	30.8	12.4	441	2.69	28.5	6.4	0.7	18	0.3	2.4	0.2	31	0.77	0.070	8
E5397009	Soil	0.7	19.7	8.3	52	0.1	18.5	7.4	550	2.61	27.5	3.5	0.3	16	0.4	2.0	0.3	49	0.88	0.050	5
E5396310	Soil	0.3	41.4	5.7	73	0.1	33.2	11.7	502	2.62	21.9	4.6	1.0	20	0.3	2.1	0.2	30	0.76	0.085	11
E5396311	Soil	0.6	46.1	6.6	96	0.4	36.1	13.8	749	2.97	28.8	7.5	0.9	20	0.7	2.5	0.2	38	0.78	0.092	11
E5396312	Soil	0.5	39.6	7.3	79	0.3	34.4	11.4	707	2.75	25.2	3.3	0.6	18	0.7	2.6	0.2	31	0.90	0.080	9
E5396313	Soil	0.4	35.9	6.6	77	0.3	33.4	10.4	657	2.53	23.3	4.0	0.6	20	0.6	2.2	0.2	30	0.96	0.072	9
E5396314	Soil	0.9	50.2	12.7	114	0.2	37.0	17.0	1220	4.06	38.2	6.0	0.6	14	0.9	2.2	0.5	47	0.52	0.081	13
E5396315	Soil	0.5	18.2	8.5	52	0.2	14.8	2.7	112	2.79	22.1	1.0	0.3	11	0.5	0.6	0.2	33	0.51	0.056	4
E5396316	Soil	0.4	42.0	7.1	77	0.4	37.1	11.4	673	2.72	21.2	3.3	0.5	28	0.7	2.1	0.2	27	1.27	0.075	9
E5396317	Soil	0.5	40.1	7.7	80	0.3	35.4	11.1	647	2.72	25.6	2.5	0.6	22	0.9	2.3	0.2	28	1.13	0.080	9
E5396318	Soil	1.1	20.3	9.1	58	0.2	16.3	7.0	467	3.33	39.4	1.9	0.6	8	0.3	1.2	0.3	68	0.26	0.051	7
E5396319	Soil	1.3	12.2	3.4	21	0.2	5.2	1.9	95	1.33	5.6	3.1	0.2	9	0.3	0.1	0.2	36	0.34	0.037	3
E5396320	Soil	1.3	27.2	6.8	67	0.3	15.3	9.4	2530	2.95	26.2	5.2	0.3	9	0.7	0.5	0.2	64	0.28	0.071	6
E5396321	Soil	1.4	29.8	6.4	53	0.2	12.5	9.1	1628	3.22	19.0	4.0	0.4	8	0.8	0.3	0.2	76	0.24	0.063	7
E5396322	Soil	1.3	27.0	6.5	59	0.3	14.8	8.8	1124	3.04	17.6	2.8	0.5	10	0.5	0.4	0.2	61	0.33	0.065	7
E5396323	Soil	0.8	32.3	5.0	50	0.1	13.8	7.6	813	2.43	19.9	3.9	0.6	26	0.9	0.4	<0.1	69	1.35	0.055	5
E5396324	Soil	1.7	25.7	5.7	68	0.2	14.7	17.3	1782	3.09	18.7	1.8	0.5	20	0.4	0.2	0.1	90	0.49	0.050	6
E5396325	Soil	1.4	16.4	5.2	16	0.1	3.6	2.6	67	3.17	7.5	0.7	0.6	8	0.2	0.1	0.2	128	0.11	0.030	3
E5396326	Soil	3.3	25.8	5.6	34	0.2	8.1	3.2	253	0.92	19.2	1.4	0.2	38	0.4	0.5	<0.1	43	1.04	0.070	6
E5396327	Soil	1.4	24.2	5.4	29	0.1	8.5	4.4	120	3.78	10.1	<0.5	1.3	9	0.2	0.3	0.2	110	0.17	0.028	4
E5396328	Soil	1.6	21.6	8.6	33	<0.1	4.9	3.4	118	4.77	12.9	1.0	2.0	7	0.1	0.2	0.2	148	0.11	0.043	4
E5396329	Soil	0.9	42.3	9.8	99	0.3	36.1	15.4	1051	3.41	49.3	9.6	0.8	14	0.9	5.1	0.3	44	0.58	0.084	14
E5396330	Soil	0.7	20.8	5.9	62	0.1	42.9	11.8	546	2.19	26.4	4.3	0.5	12	0.4	3.2	0.2	31	0.53	0.062	7

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
E5397001	Soil	19	0.42	48	0.035	18	1.90	0.022	0.02	0.9	0.11	2.5	<0.1	0.07	4	1.5	0.2
E5397002	Soil	18	0.40	28	0.052	2	1.61	0.024	0.01	0.8	0.09	2.1	<0.1	<0.05	4	0.7	0.3
E5397003	Soil	20	0.42	34	0.058	3	1.67	0.019	0.02	0.8	0.13	2.4	<0.1	0.05	5	<0.5	0.2
E5397004	Soil	105	1.85	16	0.376	3	3.30	0.033	0.02	0.3	0.05	9.2	<0.1	<0.05	10	0.6	<0.2
E5397005	Soil	113	2.15	24	0.388	4	3.58	0.043	0.02	0.3	0.08	8.6	<0.1	<0.05	10	<0.5	<0.2
E5397006	Soil	84	1.43	31	0.269	4	3.04	0.032	0.02	0.4	0.10	6.9	<0.1	<0.05	9	0.9	<0.2
E5397007	Soil	14	0.30	39	0.032	35	1.56	0.016	0.03	2.0	0.06	2.1	<0.1	0.09	2	0.8	<0.2
E5397008	Soil	21	0.49	35	0.046	2	2.40	0.020	0.01	1.0	0.07	2.7	<0.1	<0.05	5	0.6	0.3
E5397009	Soil	21	0.25	26	0.061	3	1.46	0.011	0.02	1.2	0.15	1.7	<0.1	0.05	6	0.7	<0.2
E5396310	Soil	17	0.50	37	0.046	1	2.09	0.027	0.02	0.8	0.07	3.0	<0.1	<0.05	4	0.6	0.3
E5396311	Soil	21	0.58	47	0.052	1	2.22	0.029	0.02	0.8	0.10	3.5	<0.1	<0.05	5	0.7	0.2
E5396312	Soil	17	0.50	49	0.039	2	1.64	0.022	0.03	0.8	0.07	2.3	<0.1	<0.05	4	0.9	0.3
E5396313	Soil	16	0.45	42	0.039	3	1.46	0.023	0.02	0.9	0.07	2.1	<0.1	<0.05	4	1.3	<0.2
E5396314	Soil	24	0.55	55	0.048	2	2.49	0.023	0.02	0.7	0.18	3.5	<0.1	0.05	6	1.5	0.4
E5396315	Soil	17	0.20	24	0.041	3	1.31	0.009	0.02	0.5	0.14	1.5	<0.1	0.07	6	0.7	<0.2
E5396316	Soil	15	0.45	53	0.038	8	1.52	0.031	0.02	0.4	0.08	2.3	<0.1	0.05	3	0.8	0.4
E5396317	Soil	15	0.43	47	0.034	16	1.62	0.032	0.02	0.8	0.07	2.2	<0.1	<0.05	4	1.5	0.3
E5396318	Soil	29	0.23	32	0.054	2	2.33	0.012	0.02	1.2	0.17	3.1	<0.1	0.06	8	1.0	<0.2
E5396319	Soil	12	0.11	13	0.046	2	0.80	0.015	0.02	0.6	0.14	1.1	<0.1	0.11	4	0.9	<0.2
E5396320	Soil	22	0.21	39	0.037	2	2.47	0.012	0.01	1.9	0.14	3.1	<0.1	<0.05	6	1.4	<0.2
E5396321	Soil	24	0.19	31	0.050	2	2.52	0.012	0.02	1.1	0.15	3.0	<0.1	0.07	7	1.2	<0.2
E5396322	Soil	22	0.23	30	0.044	2	2.62	0.013	0.02	1.5	0.16	3.7	<0.1	0.07	6	1.0	<0.2
E5396323	Soil	19	0.25	45	0.075	9	2.14	0.017	0.02	1.2	0.10	3.2	<0.1	<0.05	5	1.2	<0.2
E5396324	Soil	19	0.27	80	0.082	2	2.53	0.019	0.02	0.4	0.17	3.5	<0.1	<0.05	6	1.4	<0.2
E5396325	Soil	18	0.08	20	0.112	2	1.33	0.008	0.02	0.2	0.09	1.4	<0.1	<0.05	9	0.9	<0.2
E5396326	Soil	16	0.21	40	0.064	4	2.67	0.017	0.02	0.5	0.14	2.4	<0.1	0.29	6	2.9	<0.2
E5396327	Soil	21	0.19	23	0.104	1	3.15	0.013	0.02	0.7	0.11	2.8	<0.1	<0.05	9	0.7	<0.2
E5396328	Soil	33	0.14	24	0.166	2	4.58	0.011	0.01	0.3	0.17	4.6	<0.1	<0.05	14	1.4	<0.2
E5396329	Soil	31	0.51	42	0.049	3	2.56	0.018	0.02	1.3	0.11	3.5	<0.1	<0.05	6	<0.5	<0.2
E5396330	Soil	38	0.62	20	0.042	2	1.65	0.014	0.01	0.9	0.05	1.8	<0.1	<0.05	4	0.6	<0.2

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Project: CONUMA
Report Date: May 09, 2014

CERTIFICATE OF ANALYSIS VAN14001441.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
E5396331	Soil	1.1	36.0	8.9	98	0.3	36.0	15.2	806	3.06	42.0	4.7	0.6	19	0.8	3.0	0.3	39	0.89	0.085	11
E5396332	Soil	0.7	32.3	8.4	88	0.3	49.5	15.7	892	2.88	38.1	3.7	0.7	16	0.7	3.6	0.3	38	0.73	0.086	10
E5396333	Soil	0.8	29.5	8.3	92	0.2	37.5	13.3	839	2.66	43.4	6.7	0.6	14	0.5	3.8	0.2	35	0.69	0.098	10
E5396334	Soil	0.4	20.7	6.5	66	0.2	33.7	11.3	440	2.35	30.2	4.5	0.5	13	0.4	3.2	0.2	36	0.62	0.055	5
E5396335	Soil	0.8	29.9	9.0	85	0.2	43.9	15.5	784	3.03	49.8	7.2	0.8	14	0.6	4.4	0.3	38	0.58	0.080	11
E5396336	Soil	0.5	21.8	7.1	61	0.2	22.2	9.2	435	2.39	18.4	2.1	0.3	16	0.4	2.3	0.2	34	0.78	0.059	5
E5396337	Soil	0.4	34.4	7.2	95	0.3	42.7	12.5	543	2.90	24.8	6.0	0.9	20	0.8	3.4	0.2	30	1.09	0.084	10
E5396338	Soil	0.5	11.0	4.9	29	0.2	10.1	2.7	82	1.32	8.7	2.3	<0.1	9	0.2	1.2	0.1	26	0.34	0.054	3
E5396339	Soil	0.7	16.4	5.8	46	0.3	12.3	4.4	284	2.19	17.3	2.1	0.4	8	0.5	1.8	0.2	55	0.40	0.033	3
E5396340	Soil	0.6	19.3	4.8	34	0.2	11.6	2.7	81	1.60	15.4	2.7	0.3	7	0.7	2.2	0.3	71	0.33	0.027	3
E5396360	Soil	0.3	20.9	3.6	12	0.1	1.8	1.1	79	0.28	<0.5	2.3	<0.1	7	0.2	<0.1	<0.1	24	0.23	0.043	<1
E5396361	Soil	0.2	5.7	2.5	4	<0.1	1.8	1.2	38	0.35	<0.5	7.0	<0.1	2	<0.1	<0.1	<0.1	46	0.10	0.017	<1
E5396362	Soil	0.2	6.9	7.2	21	0.1	1.3	0.5	49	0.11	<0.5	<0.5	<0.1	16	0.2	0.2	<0.1	7	0.70	0.055	<1
E5396363	Soil	0.4	9.6	2.5	5	<0.1	2.1	1.4	33	0.51	<0.5	8.7	<0.1	2	<0.1	<0.1	0.2	86	0.13	0.024	<1
E5396364	Soil	0.3	8.0	2.8	9	<0.1	2.4	1.0	28	0.53	<0.5	<0.5	<0.1	11	0.1	<0.1	<0.1	19	0.13	0.044	1
E5396365	Soil	0.3	9.6	2.9	11	0.3	2.9	1.1	64	0.49	<0.5	2.4	<0.1	13	0.2	<0.1	<0.1	45	0.29	0.038	<1
E5396366	Soil	4.7	45.0	16.6	33	0.2	11.0	24.7	3828	0.97	1.0	<0.5	<0.1	27	0.7	0.3	0.1	24	0.93	0.156	5
E5396367	Soil	12.9	93.3	7.4	35	0.3	10.6	11.7	178	1.10	5.9	2.0	<0.1	24	0.9	0.3	0.2	95	0.60	0.097	6
E5396368	Soil	3.8	52.7	4.5	19	0.4	8.8	5.4	88	1.89	4.9	1.3	<0.1	14	0.5	2.1	0.1	55	0.22	0.084	5
E5396369	Soil	4.6	83.1	6.9	20	0.4	7.5	53.5	1944	1.36	1.0	2.1	<0.1	19	0.3	0.2	0.2	48	0.56	0.122	4
E5396370	Soil	0.2	8.2	5.8	9	0.1	1.4	0.8	50	0.32	<0.5	5.3	<0.1	3	<0.1	<0.1	0.1	55	0.16	0.017	1
E5396371	Soil	0.4	12.3	1.6	18	0.4	2.4	1.1	32	0.26	<0.5	1.4	<0.1	26	0.1	<0.1	<0.1	8	0.31	0.075	<1
E5396372	Soil	0.8	50.6	7.8	24	0.3	6.0	2.8	100	1.03	1.2	2.8	<0.1	12	0.3	0.3	0.1	41	0.48	0.091	2
E5396373	Soil	1.3	83.1	8.8	22	0.4	12.9	14.3	1195	2.82	1.2	7.9	<0.1	7	<0.1	0.2	0.2	109	0.29	0.092	3
E5396374	Soil	2.0	349.7	2.1	56	0.5	23.4	51.0	1127	1.55	14.4	4.5	0.2	28	0.4	0.2	<0.1	56	1.27	0.174	10
E5396375	Soil	1.2	119.3	5.9	29	0.7	14.5	9.4	952	2.98	4.8	5.1	0.2	5	0.3	0.9	0.2	100	0.20	0.062	6
E5396376	Soil	21.9	94.7	11.4	54	0.3	16.6	47.4	1399	6.38	8.3	5.0	0.6	8	0.3	0.5	0.5	249	0.23	0.070	5
E5396377	Soil	17.6	454.7	6.5	41	1.0	18.6	9.8	196	5.67	13.5	6.2	1.1	8	0.3	0.5	0.4	218	0.33	0.047	6
E5396378	Soil	1.2	32.7	3.5	8	0.6	4.2	2.6	36	0.97	1.2	3.8	0.1	4	<0.1	0.2	0.3	94	0.19	0.033	2
E5396379	Soil	6.6	46.6	7.2	14	0.2	4.8	3.9	50	3.73	1.3	2.8	0.4	8	0.2	0.2	0.4	266	0.15	0.026	5

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
E5396331	Soil	25	0.50	46	0.040	4	2.33	0.020	0.02	1.1	0.10	2.9	<0.1	<0.05	5	1.2	0.2
E5396332	Soil	43	0.65	45	0.043	3	2.36	0.018	0.03	1.5	0.12	2.7	<0.1	<0.05	5	1.1	0.3
E5396333	Soil	29	0.48	30	0.038	3	2.35	0.016	0.02	1.8	0.11	2.5	<0.1	<0.05	5	1.3	<0.2
E5396334	Soil	33	0.54	27	0.041	2	1.68	0.015	0.01	1.5	0.06	1.8	<0.1	<0.05	4	0.8	<0.2
E5396335	Soil	41	0.56	38	0.047	2	2.57	0.016	0.02	1.5	0.10	3.3	<0.1	<0.05	5	1.7	<0.2
E5396336	Soil	17	0.34	38	0.034	3	1.32	0.018	0.02	1.1	0.10	1.8	<0.1	0.05	4	1.0	0.2
E5396337	Soil	16	0.53	48	0.050	14	2.02	0.028	0.03	2.5	0.05	3.1	<0.1	<0.05	4	0.8	0.2
E5396338	Soil	11	0.15	17	0.029	2	0.68	0.011	0.02	0.8	0.12	1.0	<0.1	0.08	4	0.6	<0.2
E5396339	Soil	15	0.16	20	0.062	3	0.81	0.009	0.01	1.2	0.08	1.5	<0.1	<0.05	7	0.6	<0.2
E5396340	Soil	17	0.11	14	0.097	2	0.44	0.008	0.01	0.8	0.06	1.1	<0.1	<0.05	6	<0.5	0.2
E5396360	Soil	5	0.06	18	0.029	2	0.26	0.016	0.05	<0.1	0.19	0.9	<0.1	<0.05	2	0.5	<0.2
E5396361	Soil	13	0.07	4	0.074	1	0.17	0.012	0.01	<0.1	0.06	1.2	<0.1	<0.05	2	<0.5	<0.2
E5396362	Soil	1	0.10	29	0.010	4	0.12	0.013	0.07	<0.1	0.33	0.4	<0.1	0.09	<1	1.2	<0.2
E5396363	Soil	10	0.07	3	0.121	1	0.36	0.012	0.02	<0.1	0.04	1.2	<0.1	<0.05	4	<0.5	<0.2
E5396364	Soil	9	0.09	25	0.016	3	0.29	0.011	0.03	<0.1	0.12	1.5	<0.1	0.11	1	0.9	<0.2
E5396365	Soil	12	0.12	26	0.040	2	0.23	0.015	0.03	<0.1	0.11	1.3	<0.1	0.06	2	<0.5	<0.2
E5396366	Soil	9	0.12	68	0.011	6	1.25	0.017	0.04	0.1	0.72	1.0	<0.1	0.21	3	1.8	<0.2
E5396367	Soil	18	0.10	53	0.066	5	1.76	0.013	0.01	<0.1	0.32	2.3	<0.1	0.33	8	1.8	<0.2
E5396368	Soil	12	0.10	63	0.051	3	1.11	0.012	0.04	<0.1	0.24	1.7	<0.1	0.10	7	0.6	<0.2
E5396369	Soil	11	0.13	39	0.034	5	1.17	0.013	0.04	<0.1	0.44	0.8	<0.1	0.18	5	1.4	<0.2
E5396370	Soil	20	0.05	6	0.098	<1	0.19	0.009	0.01	<0.1	0.08	1.0	<0.1	<0.05	4	<0.5	<0.2
E5396371	Soil	4	0.07	30	0.013	2	0.31	0.011	0.05	<0.1	0.39	0.9	<0.1	0.13	<1	1.0	<0.2
E5396372	Soil	13	0.15	21	0.043	3	0.74	0.015	0.04	0.2	0.51	0.8	<0.1	0.16	4	0.6	<0.2
E5396373	Soil	34	0.28	20	0.128	2	1.43	0.010	0.03	0.2	0.34	2.1	<0.1	0.11	13	0.9	<0.2
E5396374	Soil	47	0.15	74	0.039	8	8.77	0.008	0.01	0.1	0.30	5.8	0.1	<0.05	5	3.5	<0.2
E5396375	Soil	42	0.36	33	0.074	3	2.24	0.013	0.03	0.2	0.25	3.2	<0.1	<0.05	9	0.9	<0.2
E5396376	Soil	43	0.45	59	0.194	2	2.41	0.010	0.03	0.1	0.30	3.3	<0.1	<0.05	32	1.0	<0.2
E5396377	Soil	51	0.42	64	0.158	2	4.20	0.010	0.02	0.3	0.22	6.2	<0.1	<0.05	17	2.2	0.3
E5396378	Soil	12	0.07	9	0.129	2	0.42	0.009	0.02	0.1	0.14	1.4	<0.1	<0.05	5	<0.5	<0.2
E5396379	Soil	15	0.12	33	0.371	2	0.72	0.009	0.02	<0.1	0.09	1.5	<0.1	<0.05	16	<0.5	<0.2

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
E5396380	Soil	8.1	96.5	6.5	26	0.3	10.9	6.4	143	7.53	6.7	4.0	1.3	10	0.1	0.4	0.5	262	0.17	0.034	4
E5396381	Soil	9.8	416.8	8.6	87	0.6	38.3	64.0	1391	5.53	17.1	9.3	0.4	25	0.6	0.6	1.3	165	0.77	0.109	9
E5396382	Soil	8.0	68.6	6.0	21	0.3	10.8	11.0	296	3.48	4.5	3.9	0.1	13	0.2	0.3	0.5	122	0.43	0.081	4
E5396383	Soil	2.4	200.0	6.9	23	0.3	9.0	6.4	192	6.55	3.4	5.9	0.9	14	0.1	0.3	0.5	164	0.19	0.052	4
E5396864	Moss	1.0	42.9	5.4	46	0.2	27.0	9.2	664	1.34	32.9	3.5	0.1	30	0.8	1.0	0.1	36	1.97	0.082	9
E5396865	Moss	0.7	42.4	6.2	17	0.1	17.0	4.7	1486	0.22	4.1	2.7	<0.1	41	1.7	1.4	<0.1	6	2.91	0.071	20
E5396866	Moss	0.5	12.4	5.0	33	<0.1	7.9	4.0	369	0.94	7.1	<0.5	0.1	41	0.3	0.4	<0.1	26	2.44	0.047	5
E5396867	Moss	0.9	46.5	7.6	100	0.1	15.4	15.1	1512	1.82	61.7	4.4	0.2	35	0.4	1.2	<0.1	39	1.36	0.086	10
E5396868	Moss	1.2	54.3	7.3	106	0.2	40.6	6.7	1581	1.51	38.9	4.2	0.1	31	3.3	1.9	<0.1	28	2.35	0.080	6
E5396869	Moss	0.7	23.2	5.1	133	0.1	9.1	5.0	614	0.64	8.2	1.1	<0.1	31	1.1	1.1	0.1	12	2.78	0.097	7
E5396870	Moss	0.3	42.2	6.9	63	0.2	32.5	10.1	468	2.33	16.9	2.2	1.1	36	1.0	2.0	0.1	30	2.23	0.082	10
E5396871	Moss	0.7	7.6	5.5	7	0.1	1.9	0.8	51	0.77	<0.5	6.9	0.2	6	<0.1	<0.1	0.2	63	0.13	0.035	3
E5396872	Moss	4.1	41.7	2.9	22	0.3	4.4	2.3	42	1.97	2.5	1.1	<0.1	9	0.1	0.3	0.1	82	0.12	0.077	2
E5396873	Moss	4.0	141.7	11.7	16	0.3	7.0	8.0	239	1.35	1.8	3.0	<0.1	10	<0.1	<0.1	0.2	41	0.26	0.087	3
E5396874	Moss	6.4	108.7	4.9	31	0.2	13.7	7.3	102	1.33	0.6	2.3	<0.1	11	0.2	0.1	0.1	50	0.40	0.079	2
E5396875	Moss	0.4	13.0	7.4	15	<0.1	2.8	2.8	25	0.92	<0.5	1.7	<0.1	8	0.1	<0.1	0.2	50	0.15	0.067	2
E5396876	Moss	2.3	18.0	8.8	11	0.1	2.2	1.8	72	0.70	<0.5	7.6	0.2	5	<0.1	0.1	0.3	97	0.23	0.017	2
E5396877	Moss	2.8	300.6	8.6	47	0.2	14.5	15.6	308	1.61	9.2	7.1	0.1	12	0.1	0.4	0.2	65	0.40	0.086	3
E5396878	Moss	3.0	221.4	17.2	62	0.2	19.6	77.7	2901	1.86	5.5	10.1	<0.1	23	0.6	0.3	0.1	61	0.74	0.104	4
E5396879	Moss	5.7	322.3	8.7	53	0.2	16.8	29.4	1058	3.57	8.9	17.9	0.1	30	0.4	0.4	0.2	100	1.07	0.108	5
E5396880	Moss	3.4	490.4	5.9	87	0.5	20.9	45.6	1373	3.00	21.1	67.4	0.5	34	0.4	0.4	0.2	85	1.12	0.094	8
E5396881	Moss	9.9	442.0	9.5	127	0.4	21.7	89.2	2968	4.26	12.9	14.1	0.3	29	0.8	0.4	0.3	130	1.02	0.107	6
E5396882	Moss	4.1	197.3	13.7	60	0.2	18.0	112.5	2921	2.06	5.4	6.6	0.1	21	0.8	0.4	0.3	70	0.67	0.086	6
E5396817	Silt	0.5	20.1	3.9	92	<0.1	11.8	4.6	363	1.46	31.9	1.8	0.3	19	0.8	0.9	<0.1	33	1.20	0.032	7
E5396818	Silt	6.9	124.5	9.0	88	0.2	30.9	64.4	1931	2.95	13.6	2.8	0.5	21	2.3	0.4	0.2	115	0.68	0.072	6

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Client: **Red Hut Metals Inc.**
750 - 580 Hornby Street
Vancouver BC V6C 3B6 CANADA

Project: CONUMA
Report Date: May 09, 2014

CERTIFICATE OF ANALYSIS VAN14001441.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
E5396380	Soil	52	0.41	27	0.328	1	2.97	0.009	0.02	0.1	0.23	4.6	<0.1	<0.05	19	1.2	<0.2
E5396381	Soil	58	0.37	58	0.112	5	5.49	0.010	0.02	0.2	0.22	8.0	<0.1	0.09	11	3.0	0.4
E5396382	Soil	19	0.23	36	0.133	3	1.30	0.012	0.03	0.2	0.23	2.2	<0.1	<0.05	11	0.8	<0.2
E5396383	Soil	31	0.28	16	0.137	1	3.88	0.011	0.02	0.2	0.22	5.9	<0.1	<0.05	17	1.6	0.2
E5396864	Moss	21	0.34	60	0.024	19	1.25	0.009	0.09	0.8	0.15	2.1	<0.1	0.19	3	2.5	<0.2
E5396865	Moss	5	0.12	74	0.006	20	0.49	0.004	0.05	0.2	0.17	0.8	<0.1	0.09	<1	1.7	<0.2
E5396866	Moss	8	0.20	63	0.024	9	0.64	0.005	0.05	0.2	0.15	1.0	<0.1	0.06	3	0.7	<0.2
E5396867	Moss	10	0.30	183	0.024	7	1.56	0.010	0.12	0.5	0.15	3.4	<0.1	<0.05	3	0.6	<0.2
E5396868	Moss	18	0.17	58	0.017	34	1.11	0.006	0.07	0.7	0.15	1.7	0.1	0.13	2	3.8	<0.2
E5396869	Moss	13	0.19	54	0.016	49	0.54	0.011	0.14	0.3	0.14	0.7	<0.1	0.12	1	4.6	<0.2
E5396870	Moss	16	0.49	51	0.050	27	1.26	0.037	0.02	0.7	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
E5396871	Moss	10	0.05	29	0.068	<1	0.45	0.004	0.06	<0.1	0.09	0.8	<0.1	<0.05	7	<0.5	<0.2
E5396872	Moss	7	0.06	47	0.024	5	0.91	0.009	0.22	<0.1	0.17	0.9	<0.1	0.08	3	2.6	<0.2
E5396873	Moss	13	0.10	47	0.050	2	0.80	0.008	0.10	<0.1	0.19	1.1	0.1	<0.05	6	0.9	<0.2
E5396874	Moss	8	0.09	30	0.050	2	0.65	0.008	0.18	<0.1	0.16	1.0	<0.1	<0.05	7	0.5	<0.2
E5396875	Moss	13	0.06	21	0.047	1	0.57	0.007	0.11	<0.1	0.14	1.3	<0.1	<0.05	7	<0.5	<0.2
E5396876	Moss	10	0.07	18	0.153	<1	0.39	0.007	0.03	<0.1	0.05	0.8	<0.1	<0.05	9	<0.5	<0.2
E5396877	Moss	14	0.22	107	0.062	2	1.36	0.010	0.21	0.1	0.12	2.1	0.1	0.06	7	0.7	<0.2
E5396878	Moss	15	0.22	73	0.041	3	1.35	0.012	0.25	<0.1	0.17	1.8	<0.1	0.06	6	1.3	<0.2
E5396879	Moss	28	0.29	73	0.069	4	2.06	0.015	0.11	0.1	0.21	3.2	<0.1	0.05	11	2.6	<0.2
E5396880	Moss	41	0.32	98	0.068	3	7.21	0.010	0.04	0.2	0.18	8.1	<0.1	<0.05	8	2.1	<0.2
E5396881	Moss	36	0.44	122	0.078	3	2.51	0.018	0.21	0.1	0.19	5.2	0.1	0.07	10	2.2	<0.2
E5396882	Moss	17	0.27	140	0.059	3	1.86	0.012	0.08	0.1	0.18	2.5	<0.1	0.12	7	1.7	<0.2
E5396817	Silt	18	0.20	37	0.039	14	0.99	0.017	0.01	0.4	0.04	1.2	<0.1	<0.05	3	0.7	<0.2
E5396818	Silt	28	0.31	69	0.089	1	2.74	0.012	0.03	0.1	0.16	3.6	<0.1	<0.05	10	2.0	<0.2

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Client: **Red Hut Metals Inc.**
750 - 580 Hornby Street
Vancouver BC V6C 3B6 CANADA

Project: CONUMA
Report Date: May 09, 2014

QUALITY CONTROL REPORT VAN14001441.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
E5396929	Soil	0.7	14.5	8.1	8	<0.1	3.3	0.8	20	0.59	<0.5	11.6	<0.1	5	<0.1	0.1	0.3	59	0.09	0.092	3
REP E5396929	QC	0.9	14.9	8.6	9	<0.1	3.5	0.8	24	0.69	0.7	3.9	0.1	6	<0.1	<0.1	0.3	65	0.09	0.088	4
E5396965	Soil	0.5	24.1	6.3	60	0.2	23.8	8.6	414	2.54	16.3	5.1	0.4	13	0.5	2.1	0.2	43	0.64	0.059	6
REP E5396965	QC	0.4	24.5	6.2	61	0.2	22.8	8.5	425	2.60	16.8	5.7	0.4	13	0.5	2.3	0.1	45	0.66	0.058	6
E5397001	Soil	0.8	35.8	8.1	77	0.3	32.4	12.3	855	2.30	32.3	3.0	0.5	29	0.9	2.7	0.2	28	1.41	0.087	10
REP E5397001	QC	0.7	35.9	8.3	79	0.2	33.3	12.1	905	2.42	33.8	5.8	0.4	30	0.9	2.7	0.2	29	1.41	0.088	10
E5396337	Soil	0.4	34.4	7.2	95	0.3	42.7	12.5	543	2.90	24.8	6.0	0.9	20	0.8	3.4	0.2	30	1.09	0.084	10
REP E5396337	QC	0.4	35.2	7.3	96	0.4	44.3	13.5	583	3.05	25.9	6.0	0.9	21	1.0	3.2	0.1	30	1.12	0.080	10
E5396818	Silt	6.9	124.5	9.0	88	0.2	30.9	64.4	1931	2.95	13.6	2.8	0.5	21	2.3	0.4	0.2	115	0.68	0.072	6
REP E5396818	QC	7.2	124.8	8.7	92	0.2	31.9	65.1	1933	2.97	13.6	3.3	0.5	21	2.5	0.4	0.2	110	0.68	0.074	6
Reference Materials																					
STD DS10	Standard	16.6	158.2	151.6	364	2.0	79.3	12.9	920	2.84	46.7	81.9	8.3	79	2.6	10.3	12.6	46	1.12	0.079	19
STD DS10	Standard	14.8	155.2	153.5	359	2.1	73.6	13.6	904	2.91	46.1	90.2	7.8	74	3.0	10.4	13.1	46	1.04	0.077	17
STD DS10	Standard	15.1	162.0	158.3	378	2.1	74.5	12.5	845	2.72	48.0	85.9	8.0	74	2.7	9.8	13.7	46	1.02	0.075	17
STD DS10	Standard	14.0	141.6	142.7	326	1.8	69.2	11.9	783	2.44	39.4	78.1	7.0	63	2.4	9.5	11.0	39	0.96	0.068	17
STD DS10	Standard	14.0	156.0	150.9	340	2.0	74.0	13.1	815	2.59	41.0	84.9	6.9	61	2.4	8.4	11.5	41	0.98	0.066	16
STD OXC109	Standard	1.5	34.8	11.4	40	<0.1	73.7	19.2	419	2.92	<0.5	220.2	1.5	156	<0.1	<0.1	<0.1	47	0.73	0.106	12
STD OXC109	Standard	1.8	35.9	11.4	39	<0.1	74.4	19.3	415	2.85	<0.5	209.6	1.5	151	<0.1	<0.1	<0.1	49	0.64	0.104	13
STD OXC109	Standard	1.6	35.4	11.8	39	<0.1	74.2	20.3	406	2.84	0.6	217.3	1.7	149	<0.1	<0.1	<0.1	49	0.67	0.108	13
STD OXC109	Standard	1.6	33.5	10.8	39	<0.1	68.8	18.2	383	2.75	<0.5	195.2	1.4	140	<0.1	<0.1	<0.1	44	0.69	0.101	12
STD OXC109	Standard	1.7	37.7	11.8	42	<0.1	78.8	20.8	410	2.94	0.5	230.1	1.6	141	<0.1	<0.1	<0.1	50	0.69	0.107	13
STD DS10 Expected		14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073	17.5
STD OXC109 Expected												201									
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Client: **Red Hut Metals Inc.**
750 - 580 Hornby Street
Vancouver BC V6C 3B6 CANADA

Project: CONUMA
Report Date: May 09, 2014

QUALITY CONTROL REPORT VAN14001441.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
E5396929	Soil	17	0.05	18	0.060	<1	0.70	0.008	0.05	<0.1	0.21	1.8	<0.1	0.14	10	<0.5	<0.2
REP E5396929	QC	17	0.05	18	0.089	<1	0.70	0.008	0.05	<0.1	0.20	1.9	<0.1	0.05	11	0.5	<0.2
E5396965	Soil	19	0.30	33	0.048	1	1.56	0.019	0.01	1.3	0.10	2.1	<0.1	0.07	5	0.8	0.2
REP E5396965	QC	20	0.30	32	0.050	1	1.51	0.018	0.01	2.1	0.07	2.1	<0.1	0.06	5	<0.5	<0.2
E5397001	Soil	19	0.42	48	0.035	18	1.90	0.022	0.02	0.9	0.11	2.5	<0.1	0.07	4	1.5	0.2
REP E5397001	QC	21	0.41	51	0.035	19	1.89	0.022	0.02	0.8	0.12	2.4	<0.1	0.06	4	1.5	0.3
E5396337	Soil	16	0.53	48	0.050	14	2.02	0.028	0.03	2.5	0.05	3.1	<0.1	<0.05	4	0.8	0.2
REP E5396337	QC	16	0.55	52	0.050	14	2.04	0.029	0.03	2.5	0.05	3.1	<0.1	<0.05	4	0.5	<0.2
E5396818	Silt	28	0.31	69	0.089	1	2.74	0.012	0.03	0.1	0.16	3.6	<0.1	<0.05	10	2.0	<0.2
REP E5396818	QC	28	0.30	70	0.089	1	2.74	0.012	0.03	0.1	0.15	3.7	<0.1	<0.05	10	2.2	<0.2
Reference Materials																	
STD DS10	Standard	59	0.81	380	0.087	5	1.16	0.067	0.35	3.6	0.28	3.2	5.0	0.28	5	2.7	5.2
STD DS10	Standard	56	0.81	356	0.080	7	0.97	0.068	0.33	3.5	0.31	3.1	5.1	0.28	4	2.1	5.5
STD DS10	Standard	56	0.77	345	0.078	7	1.03	0.069	0.33	3.3	0.31	3.0	5.1	0.26	5	1.8	5.5
STD DS10	Standard	52	0.70	321	0.073	7	0.96	0.060	0.29	3.2	0.29	2.6	4.7	0.19	4	2.2	4.6
STD DS10	Standard	54	0.72	314	0.075	6	0.97	0.059	0.30	3.3	0.29	2.6	4.5	0.20	4	1.9	4.8
STD OXC109	Standard	58	1.44	57	0.371	1	1.58	0.662	0.41	0.2	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	57	1.43	56	0.383	2	1.46	0.654	0.42	0.2	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	58	1.44	55	0.376	1	1.51	0.671	0.39	0.2	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	57	1.32	52	0.362	2	1.40	0.601	0.39	0.2	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	63	1.53	58	0.405	1	1.53	0.709	0.43	0.2	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01
STD OXC109 Expected																	
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Client: **Red Hut Metals Inc.**
750 - 580 Hornby Street
Vancouver BC V6C 3B6 CANADA

Submitted By: Ian Webster
Receiving Lab: Canada-Vancouver
Received: May 02, 2014
Report Date: May 08, 2014
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN14001442.1

CLIENT JOB INFORMATION

Project: CONUMA
Shipment ID:
P.O. Number
Number of Samples: 7

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	7	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ200	7	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
FA330-Au	7	Fire assay fusion Au by ICP-ES	30	Completed	VAN
DRPLP	7	Warehouse handling / disposition of pulps			VAN
DRRJT	7	Warehouse handling / Disposition of reject			VAN

ADDITIONAL COMMENTS

Invoice To: Red Hut Metals Inc.
750 - 580 Hornby Street
Vancouver BC V6C 3B6
CANADA

CC: Robert Eadie

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

Client: **Red Hut Metals Inc.**
750 - 580 Hornby Street
Vancouver BC V6C 3B6 CANADA

Project: CONUMA
Report Date: May 08, 2014

CERTIFICATE OF ANALYSIS VAN14001442.1

	Method	WGHT	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
E5396766	Rock	0.66	0.6	194.5	2.6	21	0.5	8.7	43.8	271	3.23	1.4	9.3	<0.1	16	0.1	<0.1	0.2	44	0.33	0.015
E5396767	Rock	0.59	0.9	73.2	2.1	32	0.2	44.3	21.2	178	3.01	2.4	<0.5	0.5	71	<0.1	1.3	<0.1	58	1.94	0.069
E5396768	Rock	0.88	16.2	63.9	10.4	54	0.6	25.5	18.8	549	5.26	2.4	42.1	1.3	69	0.1	0.5	0.2	92	3.03	0.022
E5396769	Rock	0.80	18.4	18.4	3.6	17	<0.1	3.3	4.3	186	1.98	0.7	9.6	2.6	4	<0.1	<0.1	0.3	7	0.05	0.013
E5396770	Rock	0.72	0.6	13.9	1.6	48	<0.1	9.5	6.4	230	2.69	0.5	13.3	3.6	7	<0.1	<0.1	0.7	44	0.09	0.019
E5396771	Rock	1.12	1.3	3254.2	1.7	86	2.1	65.9	76.0	270	5.26	13.6	21.5	0.2	47	1.4	1.0	0.6	45	5.44	0.045
E5396772	Rock	0.84	2.0	384.8	1.1	23	0.2	39.0	25.2	173	3.33	1.5	<0.5	1.2	9	0.2	0.2	<0.1	90	0.79	0.132

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750 - 580 Hornby Street
Vancouver BC V6C 3B6 CANADA

Project: CONUMA
Report Date: May 08, 2014

CERTIFICATE OF ANALYSIS VAN14001442.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	FA330
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2
E5396766	Rock	<1	7	0.35	38	0.053	<20	0.76	0.102	0.22	<0.1	0.03	3.5	<0.1	2.37	1	2.3	1.7	10
E5396767	Rock	4	110	0.95	18	0.169	<20	2.61	0.180	0.11	0.2	0.03	3.3	<0.1	1.17	6	0.8	0.3	<2
E5396768	Rock	4	30	0.35	56	0.194	<20	3.72	0.078	0.19	0.7	0.08	9.0	<0.1	2.54	9	4.0	1.6	5
E5396769	Rock	12	3	0.36	64	0.004	<20	0.89	0.014	0.24	0.2	<0.01	1.9	<0.1	0.39	3	<0.5	<0.2	5
E5396770	Rock	11	17	0.54	95	0.084	<20	1.44	0.036	0.45	0.2	<0.01	3.9	0.1	<0.05	5	<0.5	<0.2	10
E5396771	Rock	3	18	0.52	104	0.190	<20	2.53	0.013	0.05	0.5	0.03	2.7	0.2	2.79	9	6.4	1.2	29
E5396772	Rock	9	20	0.63	161	0.264	<20	0.78	0.103	0.07	0.2	<0.01	4.2	<0.1	1.10	4	<0.5	<0.2	4

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Project: CONUMA
Report Date: May 08, 2014

QUALITY CONTROL REPORT VAN14001442.1

	Method	WGHT	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
E5396772	Rock	0.84	2.0	384.8	1.1	23	0.2	39.0	25.2	173	3.33	1.5	<0.5	1.2	9	0.2	0.2	<0.1	90	0.79	0.132
REP E5396772	QC		2.3	385.2	1.0	24	0.2	39.6	25.2	177	3.37	1.5	0.5	1.1	9	<0.1	0.3	<0.1	90	0.79	0.132
Reference Materials																					
STD DS10	Standard		16.2	159.4	154.3	365	1.7	74.6	13.5	873	2.78	45.5	64.3	7.3	66	2.5	7.9	12.2	44	1.09	0.072
STD OREAS45EA	Standard		1.7	728.7	14.7	30	0.2	417.4	55.0	413	25.04	10.6	41.0	10.1	4	<0.1	0.3	0.3	323	0.04	0.030
STD OXD108	Standard																				
STD OXD108 Expected																					
STD DS10 Expected			14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073
STD OREAS45EA Expected			1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036	0.029
BLK	Blank																				
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
Prep Wash																					
G1	Prep Blank		0.2	2.4	3.4	46	<0.1	2.8	4.3	608	2.15	<0.5	<0.5	6.6	64	<0.1	<0.1	<0.1	42	0.53	0.076

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750 - 580 Hornby Street
Vancouver BC V6C 3B6 CANADA

Project: CONUMA
Report Date: May 08, 2014

QUALITY CONTROL REPORT VAN14001442.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	FA330
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2
Pulp Duplicates																			
E5396772	Rock	9	20	0.63	161	0.264	<20	0.78	0.103	0.07	0.2	<0.01	4.2	<0.1	1.10	4	<0.5	<0.2	4
REP E5396772	QC	9	21	0.62	163	0.253	<20	0.77	0.103	0.07	0.1	0.02	4.0	<0.1	1.10	4	1.0	<0.2	4
Reference Materials																			
STD DS10	Standard	17	59	0.78	414	0.084	<20	1.04	0.068	0.34	3.0	0.31	2.7	4.9	0.29	4	1.8	5.2	
STD OREAS45EA	Standard	7	913	0.11	136	0.104	<20	3.52	0.025	0.06	<0.1	<0.01	78.6	<0.1	<0.05	12	0.9	<0.2	
STD OXD108	Standard																		416
STD OXD108 Expected																			414
STD DS10 Expected		17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01	
STD OREAS45EA Expected		6.57	849	0.095	148	0.0875		3.13	0.02	0.053			78	0.072	0.036	11.7	0.6	0.07	
BLK	Blank																		<2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																			
G1	Prep Blank	15	7	0.54	175	0.147	<20	1.01	0.101	0.54	<0.1	<0.01	2.7	0.3	<0.05	5	<0.5	<0.2	<2

3 Appendix 3

UTM NAD83

9 689750 | 9 690000 | 9 690250 | 9 690500

9 U 5525500

9 U 5525250

9 U 5525000

Conuma Main Logging Road

Road

Conuma River

Conuma River

E5396870
2.2/42.2/6.9/63

E5396817
1.8/20.1/3.9/92

E5396334
4.5/20.7/6.5/66

E5396330
4.3/20.8/5.9/62

E5396331
4.7/36.0/8.9/98

E5396333
6.7/29.5/8.3/92

E5396337
6.0/34.4/7.2/95

E5396339
2.1/16.4/5.8/46

E5396336
2.1/21.8/7.1/61

E5396338
2.3/11.0/4.9/29

E5396329
9.6/42.3/9.8/99

E5396332
3.7/32.3/8.4/88

E5396335
7.2/29.9/9.0/85

E5396340
2.7/19.3/4.8/34

E5396975
2.1/29.7/4.0/42

E5396974
4.9/12.9/4.7/41

E5396976
12.7/25.5/9.0/92

E5396960
5.7/29.6/7.8/79

E5396962
8.7/34.4/7.9/73

E5396963
3.8/27.8/7.4/66

E5396964
5.7/33.5/7.4/71

E5396966
3.4/15.4/3.1/32

E5396968
5.1/28.2/7.1/61

E5396969
4.1/15.4/6.5/51

E5396971
3.5/27.2/6.2/59

E5396973
2.7/19.0/8.2/53

E5396977
5.9/75.8/22.5/70

E5396965
5.1/24.1/6.3/60

E5396967
4.5/25.9/7.4/62

E5396970
4.3/26.7/7.6/59

E5396972
3.4/29.2/7.2/63

E5396961
4.5/24.4/6.7/66

E5396978
3.4/43.9/18.0/50

E5396979
3.4/43.9/18.0/50

E5396980
1.8/27.2/5.8/35

E5396982
1.8/28.5/4.7/23

E5396995
4.4/182.7/3.3/71

E5396996
10.3/170.8/4.1/55

E5396997
4.3/59.4/8.4/89

E5396999
1.8/22.4/5.2/52

E5397001
3.0/35.8/8.1/77

E5397003
4.0/30.5/7.6/70

E5396992
1.1/11.4/5.6/26

E5396991
2.3/34.8/7.0/69

E5396989
3.5/33.7/4.4/49

E5396987
<0.5/41.2/11.8/125

E5396981
1.8/20.8/4.8/23

E5396994
4.9/169.9/3.7/71

E5396993
3.4/26.9/7.3/76

E5396984
3.0/23.5/6.7/40

E5396983
15.6/45.6/4.6/57

E5396868
4.2/54.3/7.3/106

E5396998
8.5/33.7/11.066

E5397000
4.9/29.9/6.4/74

E5397002
3.9/26.0/5.2/54

E5396311
7.5/46.1/6.6/96

E5396990
1.7/26.0/7.2/67

E5396988
6.3/36.5/9.5/93

E5396986
<0.5/17.6/6.4/45

E5396985
<0.5/31.5/5.7/40

E5396325
0.7/16.4/5.2/16

E5396867
4.4/46.5/7.6/100

E5397004
15.0/166.9/4.2/65

E5396328
1.0/21.6/8.6/33

E5397005
5.1/148.6/4.3/70

E5397006
5.5/99.8/5.3/73

E5397007
5.5/26.8/5.6/72

E5397009
3.5/19.7/8.3/52

E5396313
4.0/35.9/6.6/77

E5396316
3.3/42.0/7.1/77

E5396321
4.029.86.453

E5396327
<0.5/24.2/5.4/29

E5396866
<0.5/12.4/5.0/33

E5397008
6.4/32.1/6.0/73

E5396310
4.6/41.4/5.7/73

E5396314
6.0/50.2/12.7/114

E5396317
2.5/40.1/7.7/80

E5396319
3.1/12.2/3.4/21

E5396322
2.8/27.0/6.5/59

E5396324
1.8/25.7/5.7/68

E5396326
1.4/25.8/5.6/34

E53968665
2.7/42.4/6.2/17

E5396312
3.3/39.6/7.3/79

E5396315
1.0/18.2/8.5/52

E5396318
1.9/20.3/9.1/58

E5396320
5.2/27.2/6.8/67

E5396323
3.9/32.3/5.0/50

E53968664
3.5/42.9/5.4/46

140

160

Road

Road

Legend

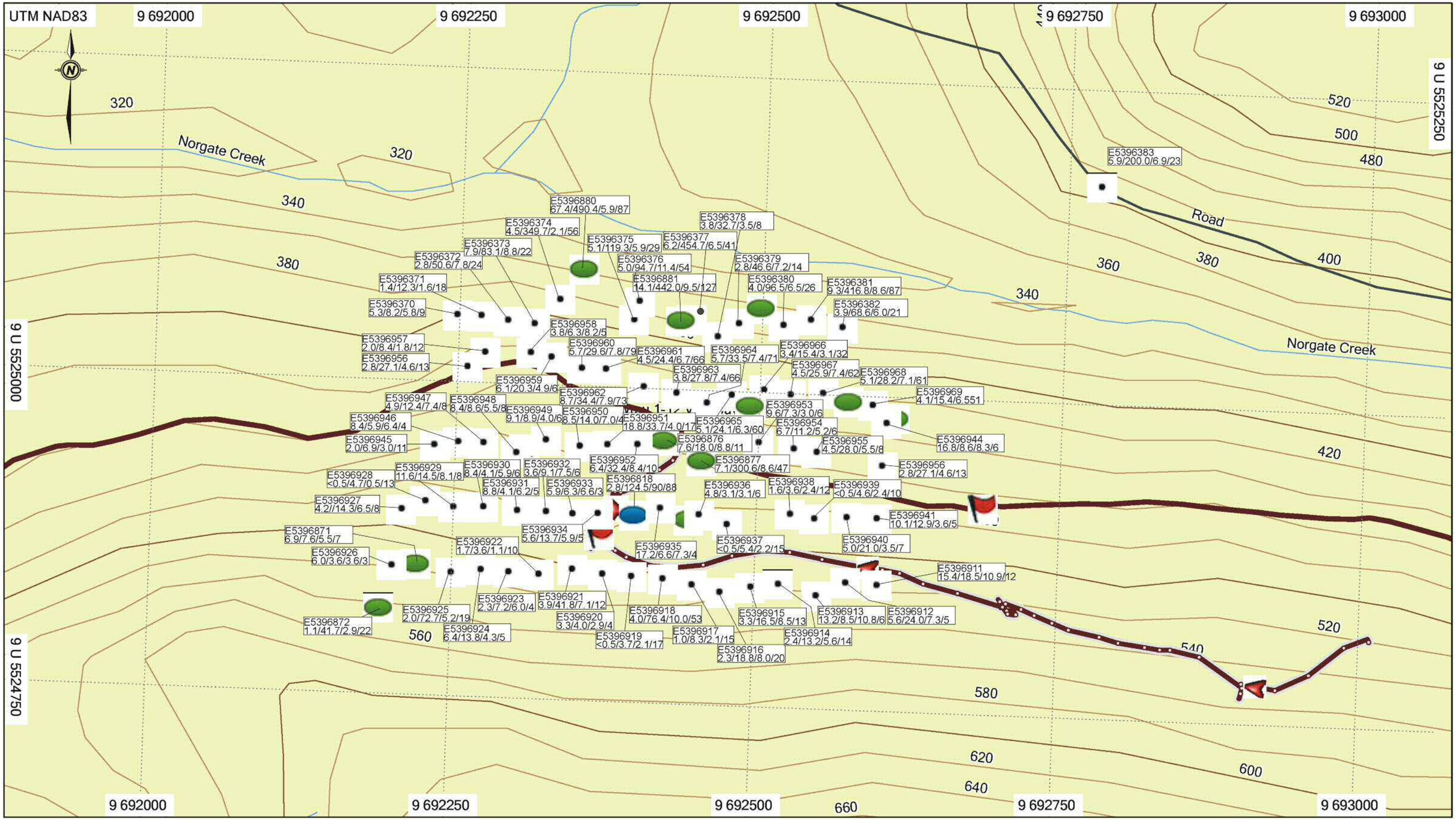
- Soil Sample Number followed by Au ppb / Cu ppm / Pb ppm / Zn ppm
- Moss Sample Number followed by Au ppb / Cu ppm / Pb ppm / Zn ppm
- Silt Sample Number followed by Au ppb / Cu ppm / Pb ppm / Zn ppm

Grid: UTM Zone 9
Elevations: metres - contours brown
Streams & rivers shown in blue
Roads shown in black

Norgate Creek West

0 m | 50 m | 100 m | 150 m | 200 m

Scale 1:3,000



Legend

- Soil Sample Number followed by Au ppb / Cu ppm / Pb ppm / Zn ppm
- Moss Sample Number followed by Au ppb / Cu ppm / Pb ppm / Zn ppm
- Silt Sample Number followed by Au ppb / Cu ppm / Pb ppm / Zn ppm

Grid: UTM Zone 9
Elevations: metres - contours interval 20 m shown in brown
Streams & rivers shown in blue
Roads shown in black

Norgate Creek East

0 m 50 m 100 m 150 m 200 m
Scale 1:3,000

4 Appendix 4

Statement of Qualifications

I, Ian C.L. Webster certify that;

1. I am a geologist with a business address at 526 Joffre Street, Victoria, British Columbia, Canada, V9A 6C9.

2. I am a graduate of Brock University with a Bachelor of Geological Sciences (Honours) degree in Geology (1988).

3. I am a registered Professional Geoscientist (No. 19859) in The Association of Professional Engineers and Geoscientists of the Province of British Columbia.

4. I have been employed in the mineral exploration industry since 1982 and have practiced my profession continuously since 1988.

Dated at Victoria, British Columbia; December 7, 2013.

Ian Webster P.Geo.