

**GEOCHEMICAL
ASSESSMENT REPORT**

for the

**2011 YUKON CARLIN GOLD CORPORATION-
CONSTANTINE METAL RESOURCES LTD
JOINT-VENTURE (CCJV) PROJECT**

on the

AZTEC Property¹

Jag 1-28 YD29449-YD29476	owned by Ron Berdahl
Azt 1-198 YD68803-YD69000	owned by 18526 Yukon Inc, Ron & Scott Berdahl
AZ 1-134 YE28741-YE28874 ¹	owned by Carlin Gold Corporation
JG 1-131 YE28921-YE29051 ¹	owned by Carlin Gold Corporation

where work was performed from

July 20 through July 23, 2011

in the

Mayo Mining District, Yukon
NTS Sheet 105N10

centered at

UTM NAD 83 Zone 8, 602042E 7058196N

January 30, 2012

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SUMMARY

The Aztec property is located in east central Yukon approximately 140 km east of the town of Mayo and 150 km north of the town of Faro. The property consists of 408 contiguous quartz claims. A core group of 226 claims were optioned by the Carlin-Constantine Joint Venture (CCJV) from Ron Berdahl in January 2011, with the remainder of the property staked a few months later.

Portions of the property area were first staked in the early 1990's following the release of government regional geochemical survey (RGS) data for stream sediment samples collected in the area. Work in 1991 and 1992 consisted of prospecting and reconnaissance sampling and mapping. The area was re-staked in 1997 by Viceroy Exploration who conducted geological mapping, geochemical sampling and hand trenching in 1998. NovaGold Resources Inc. acquired 100% of Viceroy's interest in 1999 and carried out additional geological mapping and geochemical sampling.

The Aztec property is located in the Selwyn Basin, an epicratonic sedimentary basin that extends throughout central Yukon. The region records deposition of marine sedimentary rocks from the Upper Proterozoic through to the Triassic. The oldest rocks in the area, the Upper Proterozoic to Cambrian Hyland Group, are located to the south of the property. Rocks generally young to the north, with the property itself underlain by Paleozoic rocks of the Gull Lake Formation, Elmer Creek Formation, Earn Group, Keno Hill Quartzite, and Mt. Christie Formation. Undeformed, felsic Cretaceous dykes and granitoid stocks of the Tombstone Suite are the most prominent igneous rocks in the region, and include a sizeable pluton 10 km to the north of the property. Past exploration work has identified several felsic dykes on the property that are presumed to be part of the Tombstone Suite.

The CCJV carried out a reconnaissance exploration program on the Aztec property from July 20 to July 23, 2011. Past work in the area and Yukon RGS data identified the region as geochemically anomalous with gold deposit potential. The objective of the CCJV program was to further evaluate the property's gold potential, and primarily consisted of contour and ridge soil sample traverses, silt sampling and prospecting.

Work by the CCJV identified widespread, albeit relatively weak, gold +/- arsenic mineralization in soils (high of 55.2 ppb gold and 127.7 ppm arsenic). Of the rock samples collected, a felsic dyke in the southern portion of the property yielded the highest gold and arsenic values (115 ppb and 886 ppm respectively). Similar dykes sampled in the 1990's in the northern half of the property also contained elevated gold and arsenic. The presence of mineralized felsic dykes of presumed Cretaceous age supports the potential for intrusive related gold mineralization that is well documented elsewhere within the Tintina Gold Belt of Yukon and Alaska. Further work to explore this potential is recommended.

¹ Claim list simplified. Refer to Appendix A for full list.

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1. INTRODUCTION

1.1 Location and Access

The Aztec property is located in east central Yukon, approximately 140 km east of the town of Mayo and 150 km north of the town of Faro (Figure 1). Access to the property is by air, with helicopter being the most efficient method of transport for exploration work. The Swan Lake air strip, located 2 km southeast of the south eastern corner of the property, provides a convenient staging area for supplies. The Carlin-Constantine Joint Venture (CCJV) accessed the property by helicopter from a base camp on the North Canol Road, approximately 140 km to the southeast.

1.2 Physiography and Vegetation

The property consists of fairly rugged mountains with elevations ranging from 900m to 1700m. Highest elevation is along a prominent NW-SE trending ridge along the northern portion of the property. Highest elevations are characterized by rubblecrop, talus, and abundant outcrop along the ridges. Lower elevations are covered by cordilleran boreal spruce and fir forest, with abundant alder growth. This vegetation grades into stunted conifers and buckbrush towards the tree line. Alpine tundra vegetation covers higher elevations.

1.3 Claim Details and Property Agreements

The Aztec property consists of 408 contiguous quartz claims, totalling 84.2 square kilometres, located in the Mayo Mining District, Yukon. The property is within NTS Map Sheet 105N10, centered at UTM NAD 83 Zone 8, 602042E and 7058196N. Claim details are provided in Appendix A.

The CCJV signed an option agreement dated January 20, 2011 with Ron Berdahl to acquire a 100% interest in the 226 quartz claim Aztec property (claims Azt 1-198 and Jag 1-28). The property was subsequently expanded by the CCJV through staking of the Az and Jg claims. The 408 claims that make up the Aztec property claim grouping (certificate # HM02893) include the original 226 claims and those Az and Jg claims that fall within the Area of Interest defined in the property agreement with Ron Berdahl. Additional Az and Jg claims were staked and worked in 2011 that are not part of the Aztec property agreement. These additional claims are included in a separate property claim grouping and reported in a separate assessment report.

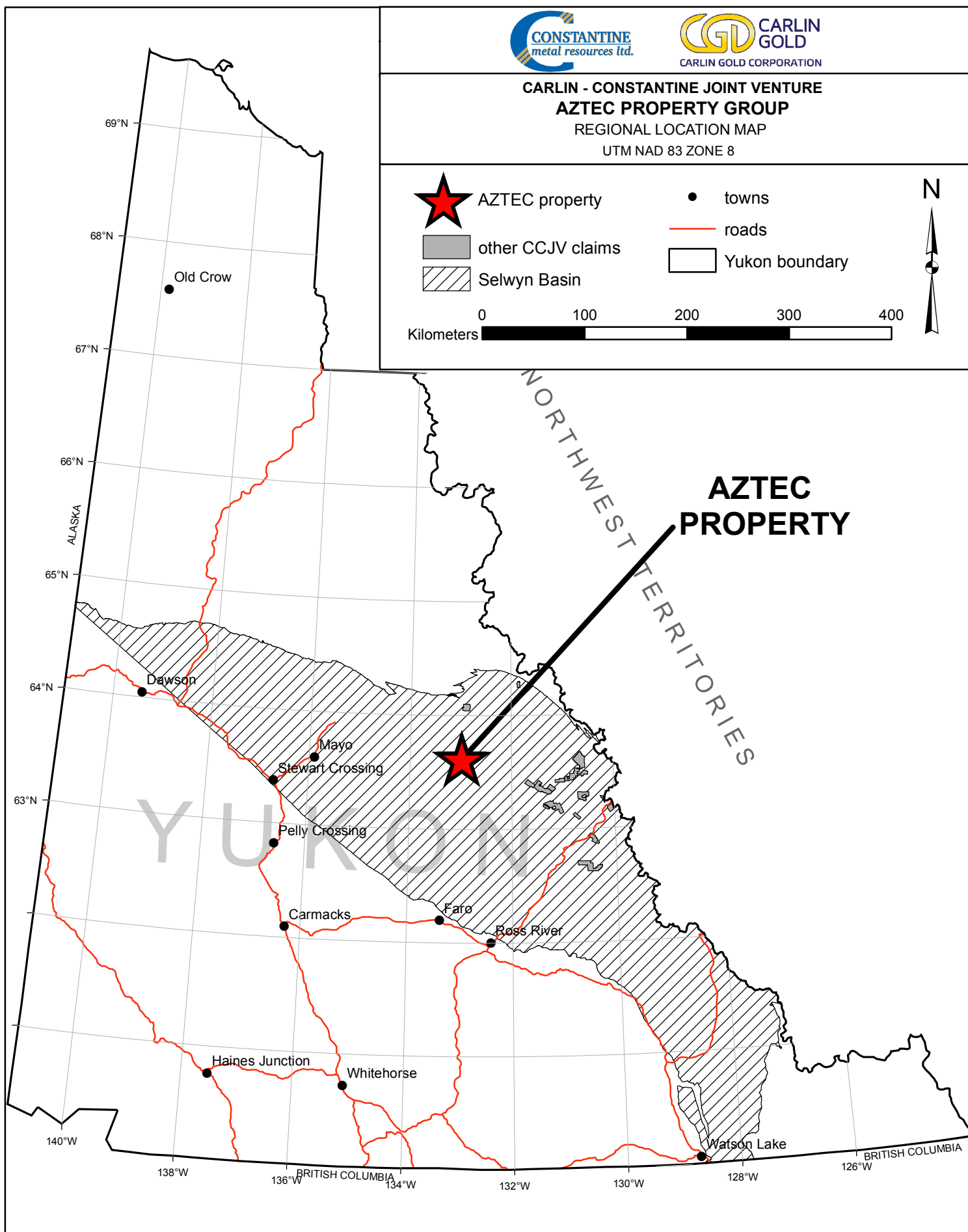


Figure 1. AZTEC property regional location map

1.4 Exploration History

According to the Yukon MINFILE database (Deklerk, 2007), the area was first staked as the Caribou, Candy, Flower, Jane, Red, and Can claims by R. Berdahl, who prospected and sampled the area in 1991 and 1992. These claims lapsed in early 1997, and after a brief period of reconnaissance work a portion of the area was re-staked by Viceroy Exploration as the Lightning and Tempest claims in July 1997. Viceroy conducted geological mapping, geochemical (rock, silt and soil) sampling and hand trenching in 1998. NovaGold Resources Inc. acquired 100% of Viceroy's interest in the Tempest and Lightning claims in 1999, and carried out additional geological mapping and geochemical (rock, silt and soil) sampling across the central and northwest areas of the claim group.

In early 1998, Prospector International Resources Inc. staked the Got It, Big Time, and Gotcha claims, which were contiguous to the north, south and west sides of Viceroy's property, and carried out an aeromagnetic survey of the area.

The southernmost part of the current Aztec property was originally staked in 1991 as the Pleasure claims for Noranda Exploration Co.

2. GEOLOGICAL SETTING

2.1 Regional and Property Geology

The Aztec property is located in the Selwyn Basin, an epicratonic sedimentary basin that extends throughout central Yukon (Goodfellow, 2007). Selwyn Basin is largely comprised of a deep water succession of off-shelf sediments (sandstone, limestone, shale and chert) that were deposited from late Proterozoic to Middle Devonian time (Gordey and Anderson, 1993). These strata are overlain by turbiditic submarine fan complexes of the Earn Group and Early Carboniferous to Triassic shallow marine shelf clastic sediments (Roots et al., 1995).

Description of the regional geology provided herein is adapted primarily from Bedrock Geology of Lansing Range map area NTS 105N (1:250,000 scale; Roots, 2003). The region records deposition of marine sedimentary rocks from the Upper Proterozoic through to the Triassic. The oldest rocks in the area, the Upper Proterozoic to Cambrian Hyland Group (Yusezyu and Narchilla Formations), are located to the south of the property. Rocks generally young to the north, with the property itself underlain from oldest to youngest by the Gull Lake Formation, Elmer Creek Formation of the Road River Group, Earn Group, Keno Hill Quartzite, and Mt. Christie Formation (Figure 2). Triassic age rocks of the Jones Lake Formation are located to the north of the property.

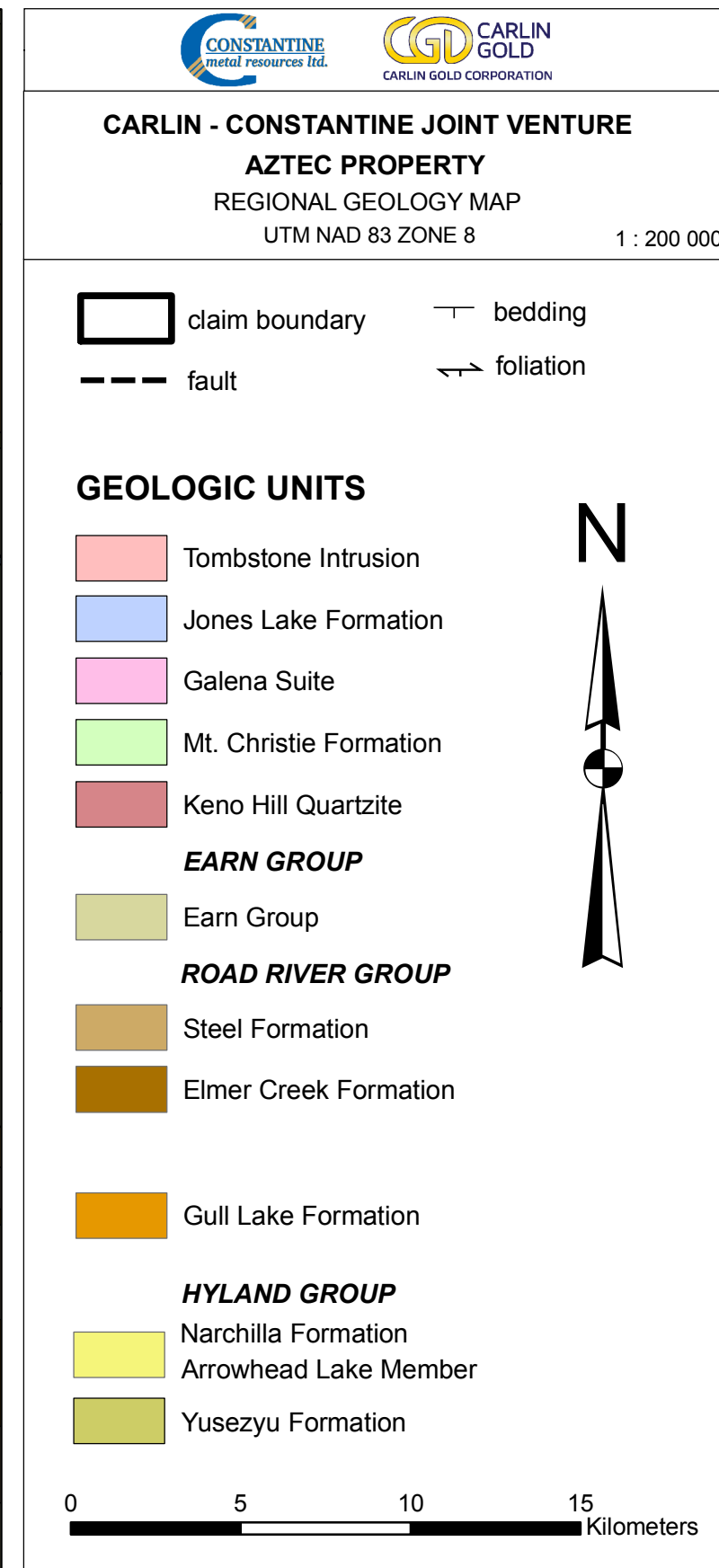
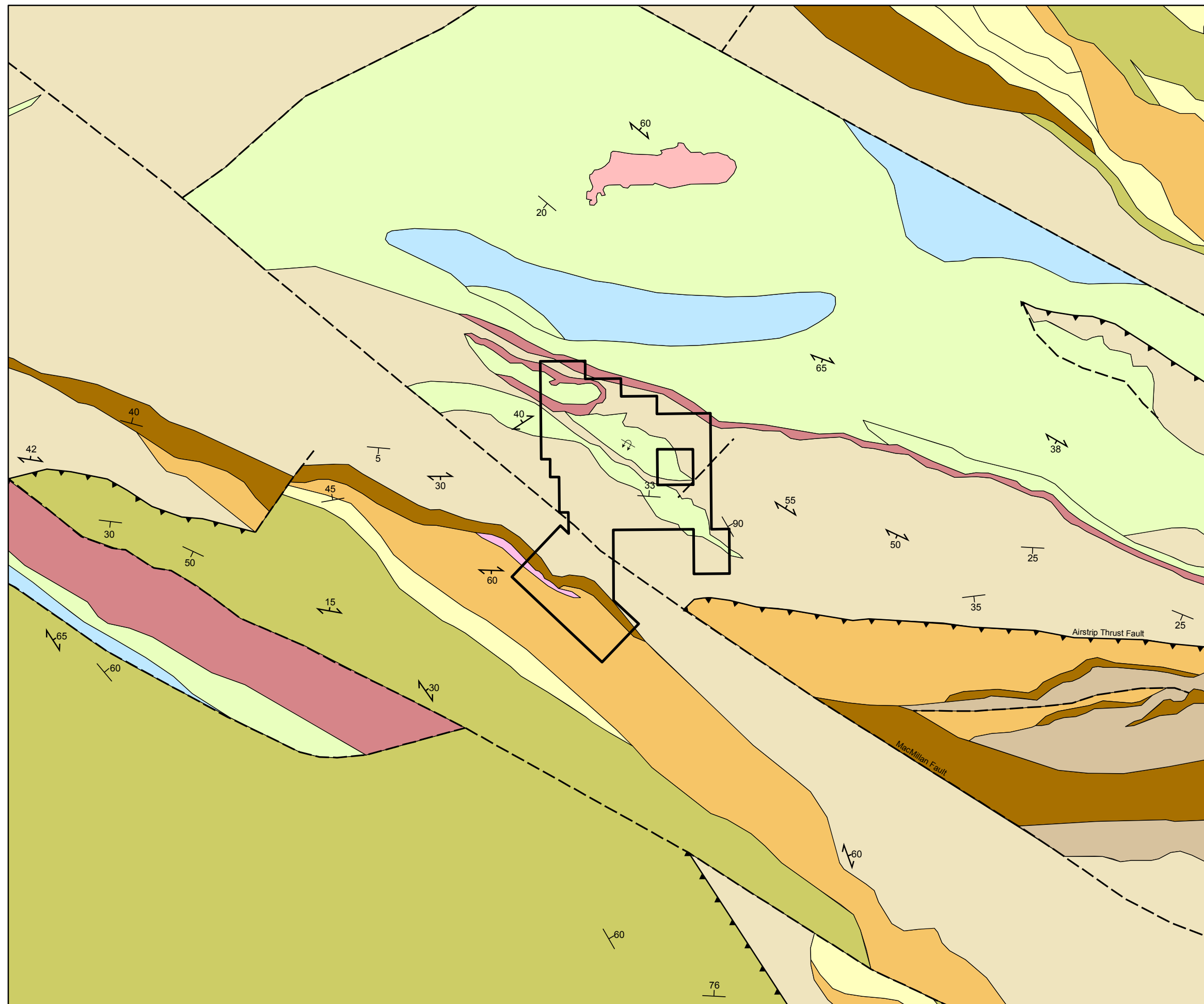


Figure 2. Regional Geology of the AZTEC property (modified from Roots, 2003).

Undeformed, felsic Cretaceous dykes and granitoid stocks of the Tombstone Suite are the most prominent igneous rocks in the region, and include a sizeable pluton 10 km to the north of the property. A northwest striking, 6.5 km long by several hundred meter wide dyke has been mapped over the southern portion of the Aztec property. Roots (2003) assigned the dyke to the Galena Suite, which is described as metadiorite and metagabbro; however, earlier maps (e.g. Roots et al., 1995) and digital geology files (Gordey and Makepeace, 1999) assign the dyke to the Tombstone Suite. Felsic (rhyolite?) blocks identified during prospecting by the Carlin-Constantine Joint Venture in the area of the mapped dyke better match descriptions of Tombstone Suite dykes than Galena Suite dykes, which are otherwise confined in the Lansing Map Sheet to an area 50 km to the north-northwest.

Early Cretaceous northeast-southwest contraction resulted in upright folding of upper Paleozoic strata, both high- and low-angle thrusts within Proterozoic and lower Paleozoic rocks and development of slaty cleavage within incompetent units (Roots et al., 1995). The most prominent structure to transect the Aztec property is the northwest trending, high-angle regional-scale Macmillan Fault that records south side up displacement. At a more local-scale, low angle thrusts are also documented on the property.

2.2 Stratigraphic Units

Descriptions are provided below for regional stratigraphic units found within or surrounding the Aztec property (Roots, 2003):

Hyland Group (Upper Proterozoic to Middle Cambrian)

Hyland Group rocks present within the area include the Arrowhead Lake Member of the Narchilla Formation and the Yusezyu Formation, both of which represent part of the deep water clastic fill sedimentation of the Selwyn Basin. The Arrowhead Lake Member consists of maroon argillite and purple-green slate, whereas the Yusezyu Formation consists of sandstone, grit, psammite, metaconglomerate and chloritic metasiltstone.

Gull Lake Formation (Middle Cambrian to Ordovician)

The Gull Lake Formation overlies the Hyland Group and consists of olive to brown siltstone, black argillite, and thinly interbedded limy shale and argillaceous limestone.

Road River Group (Ordovician to Lower Devonian)

The Steel Formation and Elmer Creek/Duo Lake Formation make up the Road River Group within the project area, and represent the latest stage of deep marine sedimentation of the Selwyn Basin. The Steel Formation consists of rusty to green siliceous argillite and dolomitic siltstone. The Elmer Creek Formation consists of black to blue graptolitic shale and black chert, with thin to medium bedded greyish or turquoise chert with minor argillaceous limestone.

Earn Group (Middle Devonian and Early Carboniferous)

The Earn Group consists of black siliceous shales and cherts, as well as conglomeratic submarine fan and channel deposits. The Earn Group records uplift and partial erosion of parts of the Selwyn Basin in the mid-Devonian.

Keno Hill Quartzite (Lower Carboniferous)

The Keno Hill Quartzite consists of massive to banded dark grey and black, fine-grained quartzite with thin interbeds of black shale or carbonaceous schist, siliceous argillite and white limestone.

Mt. Christie Formation (Carboniferous to Permian)

The Mt. Christie Formation consists of orange-brown, buff and pink weathering, green-grey laminated argillite and siliceous siltstone. The unit locally contains abundant barite nodules.

Jones Lake Formation (Triassic)

The Jones Lake Formation consists of calcareous cross-bedded arenite, slate, sandy slate, limestone, calcareous black shale and calcareous siltstone.

3. WORK PROGRAM

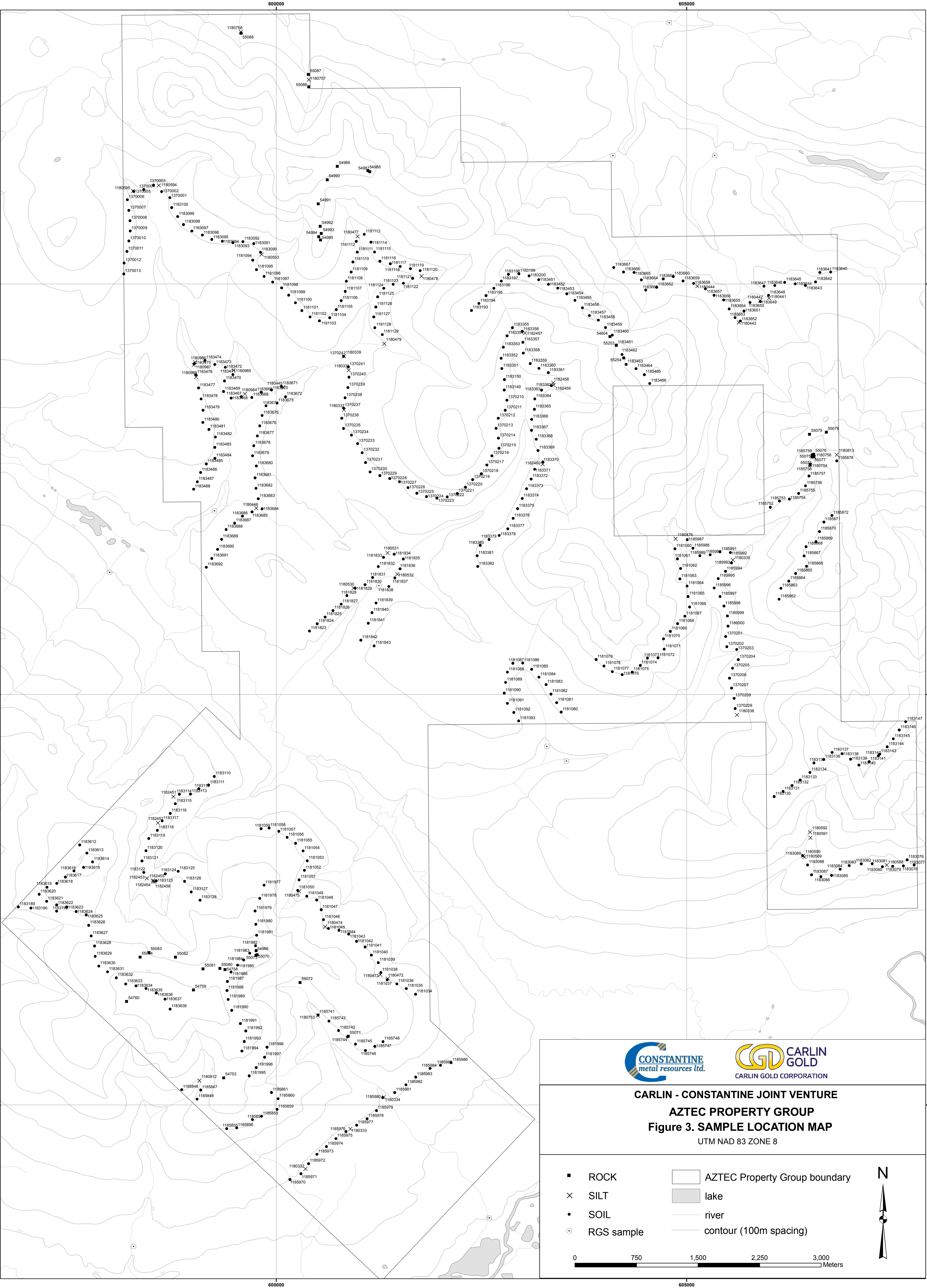
3.1 Work Program Overview

Initial work on the Aztec property included compilation and digitizing of historic exploration work, government geology and regional silt geochemistry. Based on the initial compilation work, a field program was designed to provide broad-brush reconnaissance level coverage over most of the property, with the objective of identifying the presence of a large gold system. The work included contour and ridge soil sampling, silt sampling and prospecting, with an emphasis on the large areas of the property that had a low density of historic sampling.

Fieldwork on the Aztec property was executed over the course of 4 days from July 20th to July 23rd, with a total of 61-person days dedicated to the project (including sample preparation/sample management and project oversight time). A portion of the field crew established a small fly-camp at Swan Lake airstrip, whereas the remaining crew were transported daily from a base camp on the North Canol road.

3.2 Geochemical Sampling

A total of 578 samples were collected at the Aztec property; 35 rocks, 55 silts, and 488 soils. Contour soil sampling was the principal sampling approach, with nominal sample spacing at 125 m and silt samples collected where soil lines cross drainages. Sample locations are shown on Figure 3.



3.3 Sample Preparation and Procedures

All soils and silt samples collected were dried and sieved on site (North Canol base camp) and analyzed with a portable XRF unit prior to shipping to Acme Analytical Laboratories in Vancouver, B.C. All rock samples were shipped to the Acme preparation lab in Whitehorse, Yukon, for sample preparation and subsequent analysis at the Acme laboratory in Vancouver, B.C.

3.3.1 Sampling Procedure

Soils were collected in Kraft Wet Strength 4" by 6" soil bags, and silts in Hubco New Sentry 5" by 8.5" bags. These bags were pre-labeled and inserted with two out of a three part barcoded sample tag series prior to sampling. The third part of the sample tag was left in the sample booklets for the sampler to write any notes and/or descriptions which was then recorded in the database. Each sample type had a unique sample series, where rock samples have 5-digit sample number starting with a "5XXXX", the silts have a 9-digit sample number starting with a "1180XXX", and similarly, the soils have a 9-digit sample number starting with a "118XXXX". Samples were collected using the blade portion of a Geotul, and dug to depths ranging from 0.15 cm to 0.75 m. Samples were collected from the B-horizon where available, with care taken to sample below organic material and a 2000 year old volcanic ash layer that is locally present. At times, a hand auger was used for sample collection, particularly in areas of exceptionally deep organics.

3.3.2 Drying Procedure

After sampling, bags were hung orderly in a drying tent at the end of each traverse/sampling day. The drying tents were constructed of canvas tents, with tarps overlain on top of each tent to keep off elements of nature and moisture. Samples were hung on drying racks, with adequate spacing between each sample to ensure air flow. A series of heaters, fans, and de-humidifiers were placed in strategic places in the tents to maintain warm moving air and improve drying time. Soil samples were left to dry for at least 3 days, while silt samples were dried for at least 5 days, with actual drying time dependent on the moisture content of the samples. Occasionally, the samples were broken up using a rubber mallet in order to increase the surface area for drying as they tend to harden throughout the drying process.

3.3.3 Sieving Process

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

three-part sample tags. The other part of the sample tag was then stapled to the original Kraft soil, into which the coarse fractions was poured back. The pans and sieves were then cleaned using a soft brush for the next batch of samples to be processed.

3.3.4 XRF Sample Cup Preparation

A small portion of the -80 mesh sieved sample was placed into a sample cup for analysis by the XRF analyzer. Material was poured into a 32 mm Double-Open Ended with Ventable Reservoir Cap Universal XRF sample cups until 3/4 full, which was then covered with a 0.24 μm thick Polypropylene film. The sample powder was pressed tightly with cotton balls, and sealed with the Ventable Reservoir Cap. The remaining -80 mesh material was kept together with the analyzed cups until completion of the analysis to ensure integrity of the samples.

3.4 XRF Analysis

3.4.1 XRF Analyzing Procedure

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

Prior to the analysis, the barcode on each sample was scanned, followed by placing the corresponding sample cup in the analyzer. The test stand lid was closed, locked, and the sample then analyzed. Data was automatically recorded, saved directly to the analyzer and simultaneously downloaded to the computer. Internal standards were routinely inserted into the sample stream to check data quality. After analysis, the sample cups were labelled and stored, while the remaining -80 mesh fraction samples were shipped to the Acme laboratory in Vancouver, B.C., for further analysis.

3.4.2 XRF Data Analysis

The on-site data analysis allowed for immediate follow-up sampling of areas with anomalous pathfinder elements prior to the return of formal laboratory assay results. The stand mounted handheld XRF analyzer was mainly used for arsenic determination. Arsenic produced the most consistent and reliable data of the pathfinders and is strongly correlated with gold in many mineralized environments. To determine the relationship between the field XRF and the assay lab determinations of arsenic, a linear regression analysis was produced (Figure 4). Excellent correlation of the data is demonstrated by a coefficient of determination factor of 0.991 (based on entire CCJV 2011 Yukon dataset).

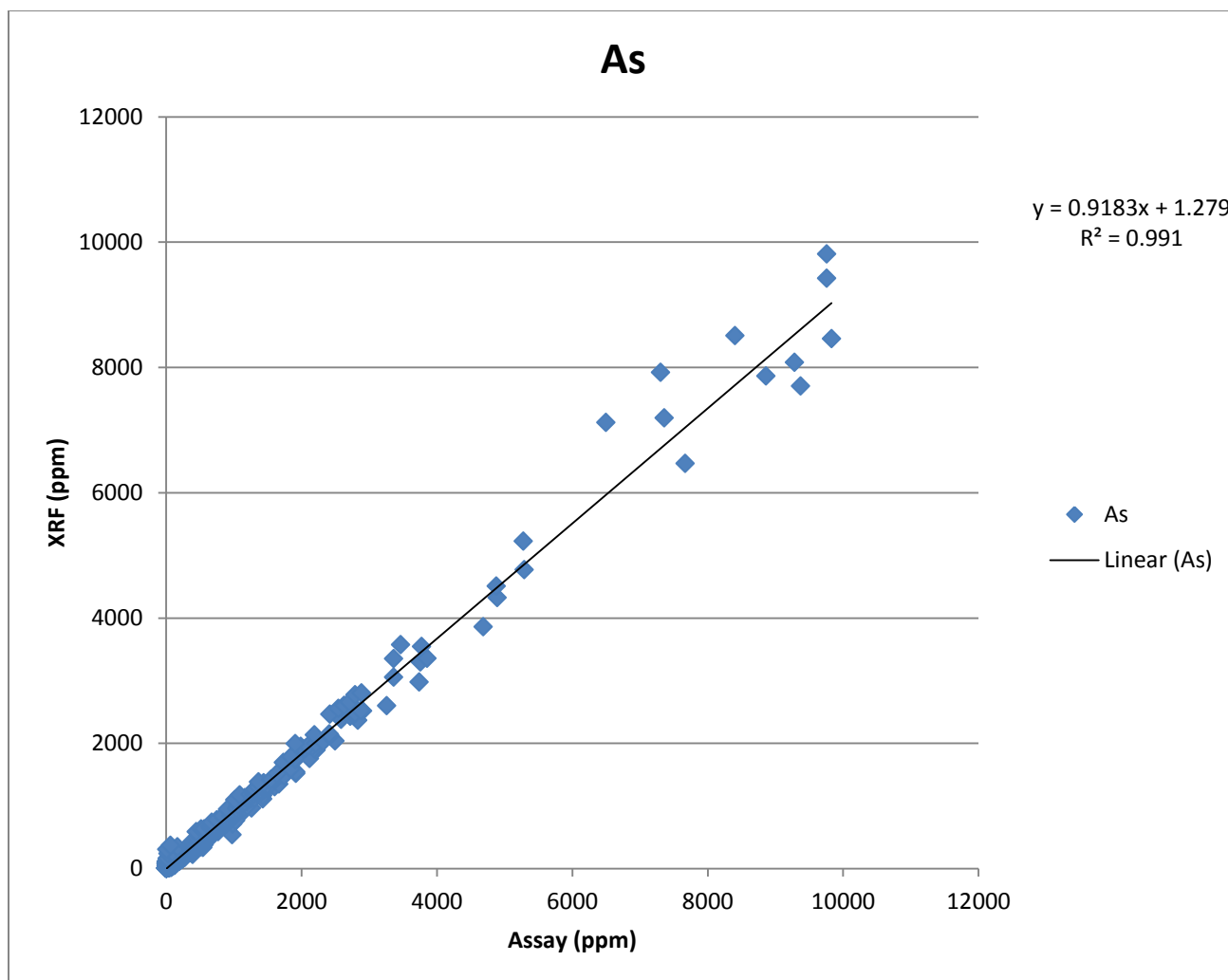


Figure 4. Arsenic linear regression analysis comparing XRF and assayed values for all prepped samples of the 2011 CCJV program.

3.5 Assay Procedure

Prepared -80 mesh soil and silt samples were shipped to the Acme Analytical lab in Vancouver for “1DX2” assay determination. Samples splits of 15g were subjected to a hot (95°) Aqua Regia digestion with 36 element determination (including gold) by ICP-MS technique. The 15 gram split is deemed an adequate size, for a digestion type analysis, to provide sufficiently reliable gold values for the purpose of soil and silt surveys.

Rock samples were shipped to Acme Analytical’s sample preparation facility in Whitehorse, Yukon. Rocks are crushed to -10 mesh, and sample splits of 250g are pulverized to -200 mesh. The sample pulps were then shipped to the Acme laboratory in Vancouver for analysis. A 0.5 gram subsample was subjected Aqua Regia digestion and 36 element ICP-MS analysis (Acme Code “1DX1”). A separate 30 gram subsample was analyzed by standard fire assay with Atomic Absorption finish.

3.6 Personnel

Exploration work applicable for assessment credit was completed by the following personnel:

Geologists:

Darwin Green
Robert Thomas
K. Wayne Livingstone
Aisyah Abdkahar

Prospectors:

Mervin Quinlan
Andy Budden

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

Roy Greig, Crew Chief (Geologist)
Hannah Grimsom (Geologist)
Mairi Greig
Brittney Bidlake
Kei Quinn
Kelsey Rufiange
Thomas Sly

Pilot:

Taylor Morrison, Kluane Helicopter

3.7 Expenditures

Expenditures for the 2011 work program on the Aztec property are tabulated below.

Table 1. Work program expenditures

LABOUR	UNIT	RATE	TOTAL
Project Manager (Senior Geologist)	4	600	2,400
Crew Chief (Geologist)	4	400	1,600
Geologist/Dbase Manager	8	350	2,800
Soil/silt Sample Crew	21	315	6,615
Prospectors	8	400	3,200
Sample prep crew and XRF analyzer	16	315	5,040
Subtotal			21,655
GEOCHEMISTRY			TOTAL
Assay cost (Acme Analytical)			10,592
Shipping			960
Subtotal			11,552
CAMP COSTS	UNIT	RATE	TOTAL
Room and Board (all-in camp costs per head)*	61	225	13,725
Field Supplies			1,760
Subtotal			15,485
FIELD TRANSPORTATION			TOTAL
Helicopter + Fuel (Kluane Helicopters)			23,600
Fixed Wing (Alkan Air)			3,440
Subtotal			27,040
REPORT WRITING			3,500
GRAND TOTAL			79,232

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

4. GEOCHEMISTRY

4.1 Previous Geochemical Sampling

The Geological Survey of Canada in conjunction with the Yukon Government conducted a regional stream sediment (silt) and water geochemical survey within map sheet NTS105N in 1990 that analyzed for 39 elements (Friske et al., 1991). The survey identified numerous streams within the Aztec property region anomalous in gold, arsenic and several other elements (e.g. copper, cadmium, barite, mercury, and antimony). Gold values exceeding the 95th percentile (based on the entire Yukon RGS database of >30,000 samples) occur in a total of five separate drainages that transect the Aztec property (Figure 3 and 5). Of these, the highest gold and arsenic values are from a stream draining the southern portion of the Aztec property, which contains 155 ppb gold and 460 ppm arsenic, the 99th percentile for both elements.

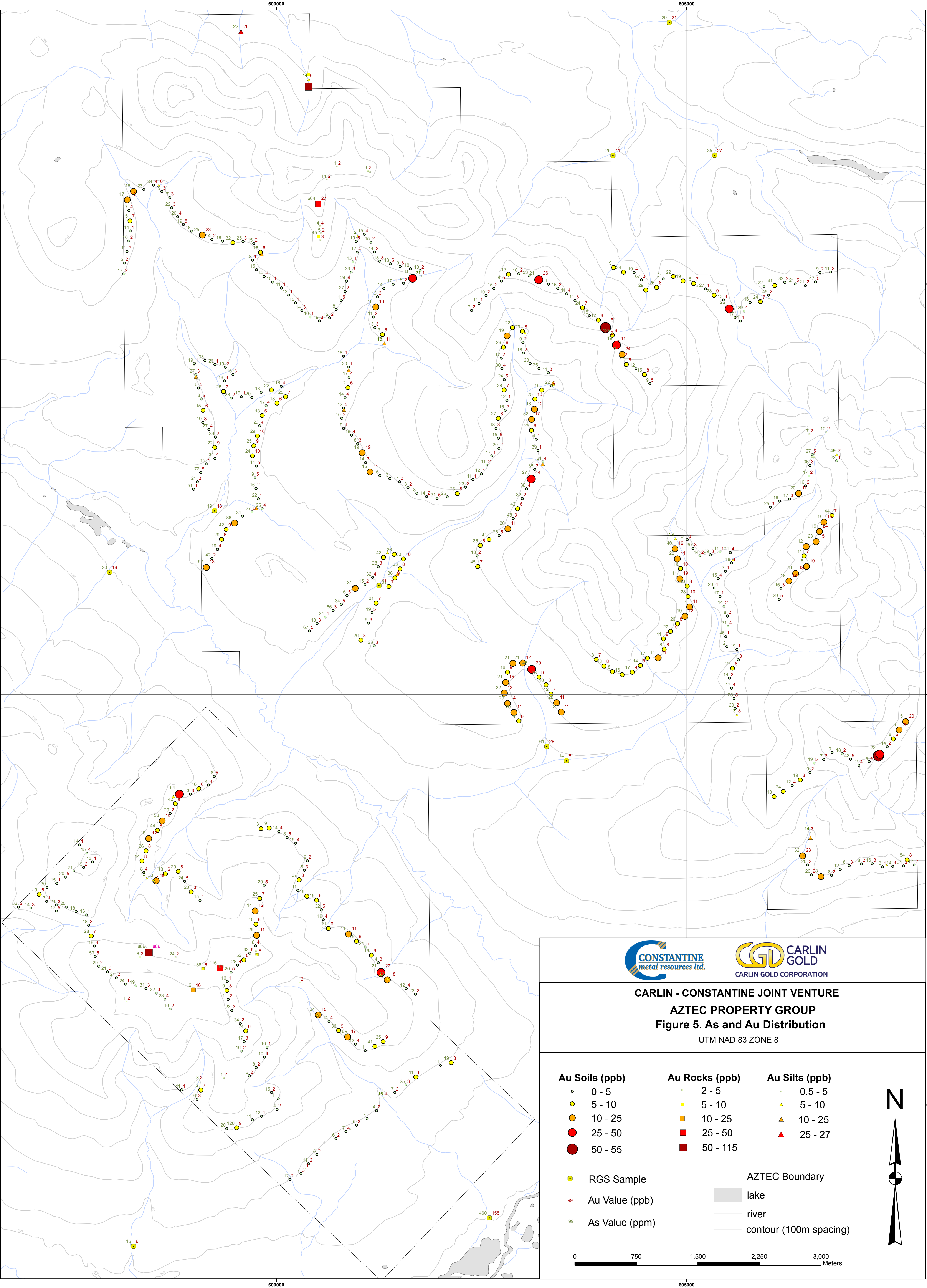
Reconnaissance traverses involving prospecting, mapping and silt, rock and soil sampling by Viceroy Exploration Inc. in 1998 and Novagold Resources Ltd. in 1999 revealed several broad gold geochemical anomalies across the property and corroborated anomalous RGS silt data (Shulze, 1998 and 2000). The work delineated a 4.5 km long trend with values up to 330 ppb Au and 118 ppm Ag. Several east-southeast trending quartz-monzonite dykes with abundant quartz veining (up to 706 ppb Au) occur along the trend. Samples of minor stibnite veining in the area returned 123 ppb Au, 11.2 ppm Ag, 1111 ppm Cu, 30885 ppm Sb and 11 ppm Hg. A broad 1400 meter by 500 meter gold and pathfinder element anomaly, located one kilometre southwest of the mineralized dykes, is associated with an area of abundant breccia and fracture controlled quartz veining within graphitic shale which coincides with an inferred thrust fault. The anomaly is comprised of consistent but weak values up to 35 ppb Au, with up to 9.5 ppm Ag, 1 051 ppm Zn, 200 ppm As and 50 ppm Sb. near an area of abundant ferricrete.

Grab samples of silicified limonite float collected by R. Berdahl on the property in the early 1990's assayed up to 9.57 grams of gold per tonne (0.279 opt), however subsequent follow-up work reportedly failed to repeat similar gold values (Hulstein, 1993).

4.2 Results of 2011 Geochemical Sampling

Silts

A total of 55 silt samples were collected on the Aztec property. Gold values range from 0.5 to 27 ppb gold, with a total of six samples assaying 12 ppb gold or greater, equivalent to the 90th percentile for the Selwyn Basin subset of the Yukon RGS database. Arsenic values range from 4.6 to 61.2 ppm, with a total of six samples assaying 43 ppm arsenic or greater (90th percentile for the Selwyn Basin). Best gold values were returned from the northwest portion of the property, and, for the most part, corroborate the RGS data for the area. Notably, however, was the inability to reproduce high gold and arsenic values in up gradient sampling of an RGS site that assayed 155 ppb gold and 460 ppm arsenic at southernmost edge of the property. Sampling from two sites located 2 and 3 kilometres up gradient of the RGS site yielded a high of 5.6 ppb gold and 19.4



ppm arsenic. Overall, arsenic in the silt samples collected across the property by the CCJV do not show an obvious correlation with elevated gold values.

Soils

A total of 478 soil samples were collected on the Aztec property. Gold values ranged from 0.5 to 55.2 ppb. Of these, 67 samples are anomalous, assaying 10 ppb gold or greater, including 18 samples assaying 20 ppb or greater. Arsenic values range from 0.5 to 127.7 ppm, with a total of 15 samples assaying 50 ppm arsenic or greater. A widespread and relatively consistent area of weakly anomalous gold (10-20 ppb) in soils is present over the central area of the property (Figure 5). Weak to moderately anomalous gold samples are scattered throughout the rest of the property, typically occurring as one or two samples in a row within a given soil line.

Rocks

A total of 35 rock samples were collected on the Aztec property. Gold values range from below detection to a high of 115 ppb, with only two samples assaying greater than 50 ppb gold. The rock sample with the highest gold value (115 ppb) also yielded the highest arsenic (886 ppm) and was collected from a slightly rusty outcrop of weakly pyritic felsic rock within in the vicinity of a large dyke shown on regional geology maps.

5. DISCUSSION AND CONCLUSIONS

The CCJV carried out a reconnaissance exploration program on the Aztec property from July 20 to July 23, 2011. Past work in the area and Yukon RGS data identified the region as geochemically anomalous with gold deposit potential. The objective of the CCJV program was to further evaluate the property's gold potential, and primarily consisted of contour and ridge soil sample traverses, silt sampling and prospecting.

Work by the CCJV identified widespread, albeit relatively weak, gold +/- arsenic mineralization in soils (high of 55.2 ppb gold and 127.7 ppm arsenic). Of the rock samples collected, a felsic dyke in the southern portion of the property yielded the highest gold and arsenic values (115 ppb and 886 ppm respectively). Similar dykes sampled in the 1990's in the northern half of the property also contained elevated gold and arsenic. The presence of mineralized felsic dykes of presumed Cretaceous age supports the potential for intrusive related gold mineralization that is well documented elsewhere within the Tintina Gold Belt of Yukon and Alaska. Such a deposit at Aztec would likely be a high-level or distal end member of the intrusive related class given the apparent absence of a central granitoid pluton, stock or plug.

No evidence of Carlin-type mineralization was identified during the 2011 field program, and the general lack of significant carbonate within the rock units seen suggest low potential for Carlin-type mineralization.

Results from the exploration program did not provide sufficient encouragement for the CCJV to maintain the option on the Aztec property; however, they do not negate the property's overall potential and further work is recommended.

6. RECOMMENDATIONS

Additional work is recommended at the Aztec property, which includes:

- i) Establish soil grids in areas where reconnaissance contour and ridge soil lines generated anomalous gold. This work would be designed to define the orientation and delineate the extent and tenor of the gold in soil anomalies. Sample spacing of 50 m is recommended with a line spacing of 100 meters
- ii) Additional reconnaissance contour soil lines are recommended to provide more complete coverage across the property.
- iii) Additional prospecting and mapping are recommended. Particular focus should be in areas of newly defined gold in soil anomalies and areas of felsic dykes.
- iv) A property wide airborne magnetic survey is recommended for the purpose of identifying potential shallowly buried plugs and stocks and structural breaks. A portion of the property was flown in the late 1990's but there is major gap in the data over the central and northern portions of the property.

7. REFERENCES

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- Shulze C.M., 2000. 1999 Geological and Geochemical Assessment Report on the Lightning/Tempest Property.

8. STATEMENT OF QUALIFICATIONS

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

1. I am currently Vice President of Exploration for Constantine Metal Resources Ltd. with an office at:

320-800 West Pender Street,
Vancouver, British Columbia, Canada
V6C 2V6.

2. I graduated with a degree in Geological Sciences (B.Sc.) from the University of British Columbia in 1995. In addition, I was granted a M.Sc. degree in geology from Carleton University at Ottawa in 2001.
3. I directly supervised The Carlin-Constantine Joint Venture exploration programs at the Aztec property in 2011 and I am the principal author of this report.
4. I have worked as a geologist or been engaged in geological studies more or less continuously for the past 18 years. My work experience has been in exploration for gold and base metal mineralization in North America, South America and Central America for both major and junior mining companies.

Dated this 30th Day of January, 2012.



Signature of Qualified Person

"Darwin Green"
Print name of Qualified Person

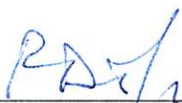
STATEMENT OF QUALIFICATIONS

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

1. I am currently Vice President of Exploration for Carlin Gold Corporation with an office at:

320-800 West Pender Street,
Vancouver, British Columbia, Canada
V6C 2V6.
2. I graduated with a B.A. degree from Bates College, Lewiston, Maine, USA in 1969 and an M.A. degree in geology from Wesleyan University, Middletown, Connecticut, USA in 1974.
3. I directly supervised The Carlin-Constantine Joint Venture exploration programs at the Aztec property in 2011 and am an author of this report.
4. I have worked as a geologist or been engaged in geological studies more or less continuously for the past 39 years. My work experience has been in exploration for gold and base metal mineralization in North America and Central America for both major and junior mining companies.

Dated this 30th Day of January, 2012.



Signature of Qualified Person

"Robert D. Thomas, Jr"

Print name of Qualified Person

APPENDIX A

List of Claims

Assessment Report for the Aztec Property Group
APPENDIX A. Claim Details for the Aztec Property

CLAIM	GRANT NO.	CLAIM OWNER	RECORDED DATE	EXPIRY DATE	NTS SHEET
Jag 1	YD29449	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10
Jag 2	YD29450	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 3	YD29451	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10
Jag 4	YD29452	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 5	YD29453	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10
Jag 6	YD29454	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 7	YD29455	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 8	YD29456	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 9	YD29457	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10
Jag 10	YD29458	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 11	YD29459	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10
Jag 12	YD29460	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 13	YD29461	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10
Jag 14	YD29462	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 15	YD29463	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 16	YD29464	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 17	YD29465	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 18	YD29466	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 19	YD29467	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 20	YD29468	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 21	YD29469	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 22	YD29470	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 23	YD29471	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 24	YD29472	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 25	YD29473	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 26	YD29474	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 27	YD29475	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Jag 28	YD29476	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 1	YD68803	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 2	YD68804	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 3	YD68805	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 4	YD68806	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 5	YD68807	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 6	YD68808	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 7	YD68809	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 8	YD68810	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 9	YD68811	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 10	YD68812	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 11	YD68813	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 12	YD68814	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 13	YD68815	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 14	YD68816	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 15	YD68817	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 16	YD68818	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 17	YD68819	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 18	YD68820	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 19	YD68821	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 20	YD68822	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 21	YD68823	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 22	YD68824	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 23	YD68825	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 24	YD68826	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 25	YD68827	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 26	YD68828	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 27	YD68829	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 28	YD68830	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 29	YD68831	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 30	YD68832	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 31	YD68833	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 32	YD68834	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 33	YD68835	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 34	YD68836	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10

Assessment Report for the Aztec Property Group
APPENDIX A. Claim Details for the Aztec Property

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Assessment Report for the Aztec Property Group
APPENDIX A. Claim Details for the Aztec Property

CLAIM	GRANT NO.	CLAIM OWNER	RECORDED DATE	EXPIRY DATE	NTS SHEET
Azt 97	YD68899	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 98	YD68900	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 99	YD68901	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 100	YD68902	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 101	YD68903	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 102	YD68904	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 103	YD68905	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 104	YD68906	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 105	YD68907	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 106	YD68908	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 107	YD68909	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 108	YD68910	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 109	YD68911	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 110	YD68912	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 111	YD68913	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 112	YD68914	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 113	YD68915	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 114	YD68916	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 115	YD68917	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 116	YD68918	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 117	YD68919	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 118	YD68920	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 119	YD68921	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 120	YD68922	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 121	YD68923	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 122	YD68924	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 123	YD68925	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 124	YD68926	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 125	YD68927	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 126	YD68928	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 127	YD68929	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 128	YD68930	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 129	YD68931	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 130	YD68932	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 131	YD68933	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 132	YD68934	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 133	YD68935	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 134	YD68936	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 135	YD68937	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 136	YD68938	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 137	YD68939	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 138	YD68940	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 139	YD68941	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 140	YD68942	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 141	YD68943	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
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Azt 144	YD68946	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 145	YD68947	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 146	YD68948	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 147	YD68949	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 148	YD68950	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 149	YD68951	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 150	YD68952	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 151	YD68953	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 152	YD68954	Scott Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 153	YD68955	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10
Azt 154	YD68956	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10
Azt 155	YD68957	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10
Azt 156	YD68958	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10
Azt 157	YD68959	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10
Azt 158	YD68960	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10

Assessment Report for the Aztec Property Group
APPENDIX A. Claim Details for the Aztec Property

CLAIM	GRANT NO.	CLAIM OWNER	RECORDED DATE	EXPIRY DATE	NTS SHEET
Azt 159	YD68961	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10
Azt 160	YD68962	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10
Azt 161	YD68963	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10
Azt 162	YD68964	Ron Berdahl - 100%	19/10/2010	19/10/2013	105N10
Azt 163	YD68965	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 164	YD68966	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 165	YD68967	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 166	YD68968	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 167	YD68969	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 168	YD68970	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 169	YD68971	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 170	YD68972	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 171	YD68973	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 172	YD68974	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 173	YD68975	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 174	YD68976	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 175	YD68977	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 176	YD68978	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 177	YD68979	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 178	YD68980	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 179	YD68981	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 180	YD68982	Ron Berdahl - 100%	19/10/2010	19/10/2014	105N10
Azt 181	YD68983	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 182	YD68984	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 183	YD68985	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 184	YD68986	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 185	YD68987	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 186	YD68988	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 187	YD68989	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 188	YD68990	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 189	YD68991	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 190	YD68992	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 191	YD68993	18526 Yukon Inc. - 100%	19/10/2010	19/10/2013	105N10
Azt 192	YD68994	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 193	YD68995	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 194	YD68996	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 195	YD68997	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 196	YD68998	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 197	YD68999	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
Azt 198	YD69000	18526 Yukon Inc. - 100%	19/10/2010	19/10/2014	105N10
AZ 1	YE28741	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 2	YE28742	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 3	YE28743	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 4	YE28744	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 5	YE28745	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 6	YE28746	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 7	YE28747	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 8	YE28748	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 9	YE28749	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 10	YE28750	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 11	YE28751	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 12	YE28752	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 13	YE28753	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 14	YE28754	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 15	YE28755	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 16	YE28756	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 17	YE28757	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 18	YE28758	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 19	YE28759	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 20	YE28760	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 21	YE28761	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 22	YE28762	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10

Assessment Report for the Aztec Property Group
APPENDIX A. Claim Details for the Aztec Property

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APPENDIX A. Claim Details for the Aztec Property

CLAIM	GRANT NO.	CLAIM OWNER	RECORDED DATE	EXPIRY DATE	NTS SHEET
AZ 89	YE28829	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 90	YE28830	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 91	YE28831	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 92	YE28832	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 93	YE28833	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 94	YE28834	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 95	YE28835	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 96	YE28836	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 97	YE28837	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 98	YE28838	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 99	YE28839	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 100	YE28840	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 114	YE28854	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 116	YE28856	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 118	YE28858	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 120	YE28860	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 122	YE28862	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 124	YE28864	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 126	YE28866	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 128	YE28868	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 130	YE28870	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 132	YE28872	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
AZ 134	YE28874	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
JG 1	YE28921	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 2	YE28922	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 3	YE28923	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 4	YE28924	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 5	YE28925	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 6	YE28926	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 7	YE28927	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 8	YE28928	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 9	YE28929	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 10	YE28930	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 11	YE28931	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 12	YE28932	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 13	YE28933	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 14	YE28934	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 15	YE28935	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 16	YE28936	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
JG 17	YE28937	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 18	YE28938	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
JG 19	YE28939	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 20	YE28940	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
JG 21	YE28941	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 22	YE28942	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
JG 23	YE28943	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 24	YE28944	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
JG 25	YE28945	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 26	YE28946	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
JG 27	YE28947	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 28	YE28948	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 29	YE28949	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 30	YE28950	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 31	YE28951	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 32	YE28952	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 33	YE28953	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 34	YE28954	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 35	YE28955	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 36	YE28956	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 37	YE28957	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 38	YE28958	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 39	YE28959	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10

Assessment Report for the Aztec Property Group
APPENDIX A. Claim Details for the Aztec Property

CLAIM	GRANT NO.	CLAIM OWNER	RECORDED DATE	EXPIRY DATE	NTS SHEET
JG 40	YE28960	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 41	YE28961	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 42	YE28962	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 43	YE28963	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 44	YE28964	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 45	YE28965	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 46	YE28966	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 47	YE28967	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 48	YE28968	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 49	YE28969	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 50	YE28970	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 79	YE28999	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 80	YE29000	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 81	YE29001	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 82	YE29002	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 83	YE29003	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 84	YE29004	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 85	YE29005	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 86	YE29006	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 87	YE29007	Carlin Gold Corporation - 100%	15/03/2011	15/03/2015	105N10
JG 88	YE29008	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 103	YE29023	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 104	YE29024	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 105	YE29025	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 106	YE29026	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 107	YE29027	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 108	YE29028	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 109	YE29029	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 110	YE29030	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 111	YE29031	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 112	YE29032	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 127	YE29047	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 128	YE29048	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
JG 129	YE29049	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10
JG 130	YE29050	Carlin Gold Corporation - 100%	15/03/2011	15/03/2012	105N10
JG 131	YE29051	Carlin Gold Corporation - 100%	15/03/2011	15/03/2014	105N10

APPENDIX B

Assay Certificates



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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

Submitted By: Confirmation Email List
Receiving Lab: Canada-Vancouver
Received: July 29, 2011
Report Date: August 11, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN11003584.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number: AZ-01
Number of Samples: 17

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	17	Sorting of samples on arrival and labeling			VAN
1DX2	14	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

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

CC: Report Email List



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



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

Project: CCJV
Report Date: August 11, 2011

Page: 2 of 2 **Part** 1

CERTIFICATE OF ANALYSIS

VAN11003584.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	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
1185970	Soil Pulp	2.0	37.5	14.3	88	0.4	23.3	9.4	358	2.61	11.6	2.3	1.7	98	0.4	1.4	0.3	33	1.01	0.052
1185971	Soil Pulp	1.3	23.1	7.3	63	0.4	17.5	5.4	213	1.61	7.0	2.7	1.2	83	0.2	0.9	0.1	29	1.05	0.042
1185972	Soil Pulp	2.4	35.8	12.2	97	0.3	24.4	7.7	209	2.19	10.5	1.9	2.2	116	0.5	1.6	0.2	32	1.25	0.064
1185973	Soil Pulp	1.5	35.4	12.3	74	0.3	19.6	12.6	640	2.77	7.8	2.1	1.6	103	0.6	0.8	0.2	42	1.24	0.054
1185974	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1185975	Soil Pulp	1.2	39.6	9.8	45	0.2	18.0	6.4	329	1.52	6.0	2.1	1.0	132	0.4	0.9	0.2	23	1.59	0.048
1185976	Soil Pulp	1.3	39.7	9.3	68	0.5	22.2	7.5	446	1.72	7.4	3.6	0.8	140	0.5	1.4	0.1	30	1.69	0.079
1185977	Soil Pulp	1.7	23.4	5.7	75	0.4	18.8	5.6	443	1.02	4.5	3.3	0.6	192	1.0	1.2	<0.1	21	2.16	0.061
1185978	Soil Pulp	1.1	6.8	5.6	36	0.3	6.1	2.4	84	0.97	3.7	1.3	1.7	32	<0.1	0.6	0.2	38	0.33	0.024
1185979	Soil Pulp	1.1	20.0	8.5	51	0.5	14.1	7.3	1156	1.44	4.1	1.6	1.1	87	1.1	0.7	0.2	27	1.20	0.068
1185980	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1185981	Soil Pulp	1.7	13.4	12.4	102	1.0	12.5	8.4	779	1.82	7.3	1.7	1.1	15	1.2	0.8	0.2	43	0.11	0.069
1185982	Soil Pulp	1.4	18.3	5.5	25	0.5	9.1	3.1	113	1.23	24.9	2.5	0.5	282	0.6	1.0	<0.1	19	3.28	0.048
1185983	Soil Pulp	3.5	28.2	11.3	99	0.7	22.0	6.6	159	1.82	10.5	5.8	2.8	52	0.5	2.2	0.2	40	0.56	0.074
1185984	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1185985	Soil Pulp	2.1	45.4	15.2	59	0.3	23.0	13.1	795	2.18	11.0	5.0	0.9	102	0.5	1.4	0.2	29	1.65	0.083
1185986	Soil Pulp	1.0	40.9	13.6	49	0.3	20.3	7.2	353	1.79	18.6	7.9	1.5	128	0.4	1.3	0.1	29	2.00	0.055



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Project: CCJV
Report Date: August 11, 2011

Page: 2 of 2 **Part** 2

CERTIFICATE OF ANALYSIS

VAN11003584.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1185970	Soil Pulp	17	0.47	337	0.006	<1	1.12	0.006	0.05	0.1	0.13	2.2	<0.1	<0.05	3	0.6	<0.2
1185971	Soil Pulp	13	0.37	359	0.005	2	0.74	0.004	0.07	<0.1	0.13	1.3	<0.1	<0.05	2	0.6	<0.2
1185972	Soil Pulp	15	0.44	417	0.005	2	0.90	0.006	0.10	<0.1	0.15	2.0	0.1	<0.05	3	1.3	<0.2
1185973	Soil Pulp	17	0.48	297	0.008	1	1.11	0.005	0.06	<0.1	0.11	2.7	<0.1	<0.05	4	1.2	<0.2
1185974	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1185975	Soil Pulp	14	0.37	320	0.008	1	0.78	0.006	0.05	0.1	0.09	1.3	<0.1	0.06	2	1.2	<0.2
1185976	Soil Pulp	13	0.35	689	0.006	2	0.88	0.009	0.06	<0.1	0.19	1.6	<0.1	0.05	2	1.4	<0.2
1185977	Soil Pulp	8	0.35	502	0.004	3	0.51	0.005	0.05	<0.1	0.14	0.8	<0.1	0.08	2	1.3	<0.2
1185978	Soil Pulp	10	0.14	154	0.014	<1	0.62	0.006	0.04	0.1	0.03	1.0	0.1	<0.05	4	<0.5	<0.2
1185979	Soil Pulp	13	0.24	528	0.010	1	0.71	0.012	0.06	<0.1	0.16	1.7	<0.1	<0.05	2	0.9	<0.2
1185980	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1185981	Soil Pulp	14	0.16	462	0.011	<1	0.86	0.007	0.12	<0.1	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
1185982	Soil Pulp	7	0.38	523	0.005	3	0.41	0.006	0.05	<0.1	0.07	0.9	<0.1	0.08	2	1.0	<0.2
1185983	Soil Pulp	14	0.32	770	0.009	4	0.87	0.005	0.12	<0.1	0.15	1.9	0.2	<0.05	3	0.7	<0.2
1185984	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1185985	Soil Pulp	14	0.43	404	0.007	3	0.90	0.004	0.08	<0.1	0.12	2.3	0.1	<0.05	3	0.9	<0.2
1185986	Soil Pulp	12	0.42	438	0.009	3	0.87	0.007	0.07	<0.1	0.14	2.2	0.1	<0.05	2	1.3	<0.2



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Project: CCJV

Report Date: August 11, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

VAN11003584.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1185985	Soil Pulp	2.1	45.4	15.2	59	0.3	23.0	13.1	795	2.18	11.0	5.0	0.9	102	0.5	1.4	0.2	29	1.65	0.083	11
REP 1185985	QC	2.3	46.0	16.1	56	0.3	23.9	13.5	810	2.22	11.6	5.0	0.9	103	0.5	1.5	0.2	26	1.73	0.083	10
Reference Materials																					
STD DS8	Standard	12.6	111.5	133.0	326	1.9	37.4	7.3	604	2.47	28.0	117.2	7.0	68	2.3	5.7	7.2	39	0.68	0.081	13
STD DS8	Standard	12.4	101.7	122.8	292	1.6	34.1	6.8	566	2.32	24.2	105.7	6.3	59	2.1	4.9	5.8	39	0.64	0.073	13
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Report Date: August 11, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

VAN11003584.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1185985	Soil Pulp	14	0.43	404	0.007	3	0.90	0.004	0.08	<0.1	0.12	2.3	0.1	<0.05	3	0.9	<0.2
REP 1185985	QC	13	0.43	417	0.005	1	0.84	0.004	0.06	<0.1	0.14	2.0	0.1	<0.05	2	0.7	<0.2
Reference Materials																	
STD DS8	Standard	113	0.61	266	0.109	3	0.89	0.085	0.43	2.9	0.21	2.3	5.5	0.12	5	5.5	4.8
STD DS8	Standard	103	0.56	263	0.101	2	0.84	0.081	0.38	2.8	0.16	2.1	5.2	0.22	5	5.5	4.5
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Confirmation Email List

Receiving Lab: Canada-Vancouver

Received: August 04, 2011

Report Date: September 04, 2011

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CERTIFICATE OF ANALYSIS

VAN11003704.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number: AZ-03
Number of Samples: 231

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	231	Sorting of samples on arrival and labeling			VAN
1DX2	230	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

Invoice To: Carlin Gold Corporation
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Vancouver BC V6C 2V6
Canada

CC: Report Email List



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



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Report Date: September 04, 2011

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CERTIFICATE OF ANALYSIS

VAN11003704.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1180332	Soil Pulp	1.0	31.7	8.0	86	0.3	22.6	7.3	347	1.69	6.4	0.9	1.0	100	0.7	1.0	0.5	23	1.24	0.073
1180333	Soil Pulp	2.3	35.0	9.4	127	0.5	29.0	6.7	321	1.81	10.8	2.0	2.0	52	1.1	2.2	0.3	33	0.51	0.108
1180334	Soil Pulp	2.6	42.6	11.2	117	0.4	28.0	9.6	454	2.30	16.4	4.4	2.2	53	0.9	2.3	0.3	28	0.72	0.151
1180335	Soil Pulp	24.8	61.9	15.9	157	2.8	15.0	1.8	65	3.77	48.1	8.0	0.9	106	1.2	29.0	0.3	96	0.08	0.179
1180338	Soil Pulp	3.8	61.2	13.5	171	1.3	48.9	6.3	473	2.28	34.3	10.7	0.9	75	1.6	3.2	0.4	28	0.16	0.105
1180441	Soil Pulp	12.3	40.2	15.5	104	1.8	13.8	3.7	145	1.91	28.6	2.2	1.1	65	1.4	13.1	0.2	46	0.04	0.085
1180442	Soil Pulp	7.0	27.5	13.3	357	0.8	55.6	4.7	270	2.19	22.8	6.6	1.4	75	3.0	7.5	0.2	32	0.11	0.071
1180443	Soil Pulp	14.5	46.4	13.7	155	2.3	17.1	3.7	120	4.00	33.0	2.5	2.0	91	1.3	22.6	0.2	74	0.07	0.145
1180444	Soil Pulp	6.4	61.4	16.3	174	0.9	31.9	6.2	200	2.64	33.5	4.5	2.4	70	0.9	6.8	0.3	46	0.14	0.137
1180472	Soil Pulp	2.7	43.7	10.1	141	1.0	27.3	8.8	514	1.73	23.0	10.0	1.4	73	1.0	2.0	0.2	37	0.71	0.119
1180473	Soil Pulp	13.7	85.2	11.9	462	1.6	92.7	10.9	1530	2.51	32.0	9.2	1.6	96	3.7	6.7	0.2	36	0.65	0.149
1180474	Soil Pulp	4.3	41.2	10.9	203	0.6	72.7	13.5	692	2.90	14.4	0.8	2.3	75	1.2	3.5	0.1	13	0.89	0.180
1180475	Soil Pulp	6.9	68.8	11.2	483	1.5	97.6	15.4	825	3.55	16.2	2.9	1.6	83	10.8	3.5	0.1	36	0.58	0.212
1180476	Soil Pulp	12.2	83.4	12.4	138	2.7	30.7	11.6	637	3.37	24.2	9.6	1.3	117	1.3	10.2	0.2	44	0.13	0.203
1180477	Soil Pulp	6.7	289.2	2.9	43	3.8	9.3	3.0	189	37.86	4.6	6.5	0.8	17	0.4	19.7	<0.1	11	0.02	0.050
1180479	Soil Pulp	3.1	78.1	11.5	164	0.9	42.1	6.5	426	2.31	18.3	11.0	0.8	63	0.9	3.0	0.2	25	0.11	0.080
1180526	Soil Pulp	25.2	88.2	10.2	542	1.0	90.8	8.2	304	2.32	27.8	6.0	3.1	92	6.0	11.4	0.1	113	1.93	0.117
1180527	Soil Pulp	10.5	69.1	10.2	375	1.3	68.4	14.1	610	2.84	37.9	9.8	1.7	58	3.6	6.0	0.2	56	0.74	0.129
1180528	Soil Pulp	23.1	73.5	10.1	628	1.3	96.2	9.9	504	2.14	41.8	12.5	1.9	51	5.2	12.6	0.2	61	0.64	0.108
1180529	Soil Pulp	12.5	66.8	10.4	551	2.0	139.8	14.9	1670	2.61	27.8	6.0	1.2	86	5.2	5.5	0.1	59	0.56	0.165
1180530	Soil Pulp	5.5	55.9	11.7	103	1.5	24.5	5.3	257	2.45	61.2	11.6	1.0	89	0.4	4.9	0.1	40	0.11	0.068
1180531	Soil Pulp	2.9	34.5	12.1	68	0.9	17.1	3.8	215	2.73	22.2	6.4	1.1	68	0.4	2.5	0.2	19	0.11	0.057
1180532	Soil Pulp	5.1	48.8	14.0	117	1.8	31.6	4.7	618	2.68	26.0	10.6	0.7	139	0.7	4.0	0.2	33	0.39	0.233
1180586	Soil Pulp	2.8	40.8	12.6	83	0.3	26.5	10.7	277	2.61	9.3	2.4	1.6	56	0.4	1.2	0.1	19	0.92	0.153
1180587	Soil Pulp	11.2	116.8	12.2	2895	4.4	328.2	8.9	372	2.71	32.7	6.3	0.6	69	33.6	10.4	0.2	92	0.59	0.238
1180588	Soil Pulp	7.9	47.7	19.7	95	1.1	22.4	12.7	510	4.17	23.1	8.1	2.1	114	0.2	6.8	0.2	46	0.07	0.091
1180589	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1180590	Soil Pulp	5.6	237.9	12.5	314	0.8	118.0	60.1	7216	2.39	21.9	3.8	1.7	52	1.6	3.7	0.2	26	0.07	0.077
1180591	Soil Pulp	8.0	42.1	14.3	264	2.0	92.0	8.2	488	1.84	18.6	11.8	0.7	176	2.2	7.0	0.2	47	0.24	0.113
1180592	Soil Pulp	2.4	349.5	11.0	353	0.8	168.1	86.1	>10000	1.72	14.1	3.2	1.5	31	2.4	1.6	0.2	15	0.05	0.063



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Report Date: September 04, 2011

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CERTIFICATE OF ANALYSIS

VAN11003704.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1180332	Soil Pulp	11	0.38	262	0.005	2	0.73	0.003	0.06	<0.1	0.12	1.4	<0.1	0.08	2	0.7	<0.2
1180333	Soil Pulp	12	0.27	881	0.006	3	0.66	0.005	0.10	0.1	0.15	1.7	<0.1	0.10	2	1.2	<0.2
1180334	Soil Pulp	13	0.41	595	0.007	2	0.76	0.004	0.07	0.2	0.13	2.1	<0.1	0.08	2	1.0	<0.2
1180335	Soil Pulp	11	0.09	514	0.005	2	0.52	0.003	0.09	<0.1	0.40	1.5	1.0	0.35	2	15.7	<0.2
1180338	Soil Pulp	14	0.22	1746	0.005	1	0.82	0.004	0.06	0.1	0.32	1.4	0.2	0.08	2	4.4	<0.2
1180441	Soil Pulp	7	0.04	677	0.003	1	0.50	0.001	0.05	<0.1	0.74	1.1	0.6	0.12	1	7.1	<0.2
1180442	Soil Pulp	12	0.15	1004	0.006	1	0.66	0.002	0.05	0.1	0.52	1.5	0.3	0.11	2	5.3	<0.2
1180443	Soil Pulp	12	0.12	496	0.007	1	0.46	0.002	0.07	<0.1	0.30	1.8	0.6	0.32	2	15.6	<0.2
1180444	Soil Pulp	17	0.26	334	0.011	<1	0.87	0.003	0.06	0.1	0.38	2.3	0.3	0.11	3	2.7	<0.2
1180472	Soil Pulp	13	0.29	839	0.004	2	0.85	0.003	0.07	<0.1	0.23	2.4	0.2	0.06	3	1.6	<0.2
1180473	Soil Pulp	10	0.17	631	0.003	2	0.55	0.003	0.06	<0.1	0.39	2.1	0.2	0.08	1	4.1	<0.2
1180474	Soil Pulp	6	0.11	257	0.001	<1	0.35	0.002	0.04	<0.1	0.35	1.9	<0.1	<0.05	<1	1.7	<0.2
1180475	Soil Pulp	11	0.08	634	0.002	<1	0.43	0.002	0.04	<0.1	0.60	2.5	<0.1	0.08	<1	3.1	<0.2
1180476	Soil Pulp	13	0.14	1289	0.008	<1	0.99	0.003	0.05	<0.1	0.28	1.7	0.5	0.12	2	7.1	<0.2
1180477	Soil Pulp	13	0.02	50	0.002	<1	0.57	0.002	0.02	<0.1	0.47	2.5	<0.1	2.32	<1	12.4	<0.2
1180479	Soil Pulp	14	0.19	1205	0.006	<1	0.70	0.002	0.03	0.1	0.19	1.6	0.1	0.12	2	2.9	<0.2
1180526	Soil Pulp	14	1.00	360	0.005	<1	0.48	0.003	0.11	<0.1	0.30	2.6	0.5	0.11	1	5.4	<0.2
1180527	Soil Pulp	18	0.28	574	0.003	3	0.79	0.002	0.08	<0.1	0.48	3.3	0.2	0.10	2	3.6	<0.2
1180528	Soil Pulp	9	0.12	330	0.002	<1	0.38	0.002	0.05	<0.1	0.62	2.1	0.3	0.10	1	3.5	<0.2
1180529	Soil Pulp	16	0.18	459	0.003	1	0.54	0.002	0.06	0.1	0.42	2.2	0.2	0.10	2	4.7	<0.2
1180530	Soil Pulp	9	0.13	1414	0.003	1	0.56	0.003	0.05	0.1	0.30	1.5	0.2	0.12	1	5.6	<0.2
1180531	Soil Pulp	9	0.14	1126	0.002	<1	0.53	0.002	0.02	<0.1	0.32	1.4	0.1	0.13	1	2.2	<0.2
1180532	Soil Pulp	9	0.14	1458	0.004	2	0.57	0.005	0.05	0.1	0.62	1.4	0.3	0.18	1	6.3	<0.2
1180586	Soil Pulp	12	0.50	168	0.004	2	0.79	0.002	0.06	<0.1	0.12	1.9	<0.1	0.07	2	0.9	<0.2
1180587	Soil Pulp	24	0.22	594	0.004	2	0.75	0.003	0.08	0.2	0.81	1.5	0.6	0.14	2	7.9	<0.2
1180588	Soil Pulp	14	0.06	669	0.006	1	0.66	0.003	0.11	<0.1	0.42	1.2	0.8	0.24	2	5.3	<0.2
1180589	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1180590	Soil Pulp	13	0.19	288	0.003	<1	3.50	0.002	0.04	<0.1	0.36	2.0	0.2	0.46	2	2.7	<0.2
1180591	Soil Pulp	13	0.15	1290	0.005	1	0.79	0.003	0.07	0.2	1.08	0.9	0.7	0.12	2	4.8	<0.2
1180592	Soil Pulp	12	0.16	58	0.003	<1	7.76	0.003	0.03	<0.1	0.17	2.4	0.1	1.34	2	2.0	<0.2



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Report Date: September 04, 2011

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001	ppm 1
1180593	Soil Pulp	2.6	59.7	12.4	102	0.8	27.4	7.0	419	2.22	19.5	11.6	0.5	52	0.4	2.8	0.2	25	0.13	0.057	5
1180753	Soil Pulp	3.5	46.1	13.5	142	0.4	31.7	10.5	455	2.47	19.4	5.6	1.9	52	0.9	3.1	0.1	30	0.72	0.146	14
1180754	Soil Pulp	26.9	88.3	19.9	950	4.2	167.5	45.8	890	3.40	52.0	5.0	1.2	261	16.7	26.3	0.2	106	0.37	0.479	7
1180755	Soil Pulp	17.8	32.5	9.9	320	1.6	10.8	1.4	33	19.22	32.8	1.0	1.9	62	1.5	24.3	<0.1	131	0.03	0.079	1
1180810	Soil Pulp	3.6	66.9	17.1	136	0.5	35.6	15.2	566	3.51	68.8	2.1	1.6	63	1.0	6.6	0.1	19	1.16	0.186	16
1180978	Soil Pulp	2.8	40.8	11.8	95	0.3	29.9	11.4	334	2.70	13.6	1.2	3.0	41	0.5	1.8	0.1	23	0.63	0.146	15
1180988	Soil Pulp	4.1	59.1	12.3	70	3.7	40.7	1.8	45	1.39	9.6	13.8	0.2	152	1.0	4.4	0.6	30	0.26	0.119	8
1181058	Soil Pulp	6.0	6.5	6.7	93	<0.1	15.3	3.0	96	1.39	8.9	8.6	0.7	79	0.4	1.1	0.3	125	0.48	0.027	11
1181059	Soil Pulp	2.7	26.6	3.9	118	0.3	56.3	22.1	623	5.59	3.3	8.3	1.0	69	0.9	1.0	0.1	61	0.80	0.136	12
1181060	Soil Pulp	15.7	30.1	15.9	102	6.5	19.8	0.7	17	3.57	39.9	15.5	2.4	367	0.5	20.8	0.3	240	0.29	0.938	10
1181061	Soil Pulp	16.0	20.6	22.9	87	1.8	9.4	1.3	25	1.55	21.5	11.1	0.2	58	0.3	14.5	0.3	139	0.01	0.052	17
1181062	Soil Pulp	11.3	16.3	16.7	67	1.1	7.3	1.2	21	1.18	16.1	10.4	0.3	36	0.2	9.0	0.2	132	<0.01	0.035	14
1181063	Soil Pulp	9.4	94.0	14.0	41	4.0	12.8	1.9	19	1.09	10.5	18.9	0.2	67	0.7	6.6	0.3	40	0.06	0.085	10
1181064	Soil Pulp	17.0	9.5	8.6	39	1.2	4.7	0.5	6	0.71	10.3	8.3	0.5	13	<0.1	11.8	0.1	96	<0.01	0.026	23
1181065	Soil Pulp	11.1	34.7	17.6	87	7.1	14.6	2.0	48	3.34	28.1	10.2	0.4	58	0.7	7.5	0.3	126	0.05	0.471	11
1181066	Soil Pulp	8.4	24.7	13.1	53	4.3	19.1	1.4	21	1.46	6.6	10.7	<0.1	41	0.8	3.7	0.3	173	0.06	0.104	8
1181067	Soil Pulp	2.4	16.2	19.4	36	0.9	6.6	2.2	108	2.87	18.6	12.0	2.8	42	0.1	2.9	0.4	55	0.02	0.047	11
1181068	Soil Pulp	3.1	24.9	14.9	48	1.0	10.2	2.6	93	3.65	26.4	7.7	0.7	22	0.2	2.3	0.4	71	0.03	0.070	11
1181069	Soil Pulp	3.3	30.7	9.8	51	0.5	12.5	1.9	41	2.22	26.9	10.1	1.1	11	<0.1	1.9	0.2	40	<0.01	0.034	9
1181070	Soil Pulp	2.6	27.9	8.0	38	0.8	9.0	1.8	36	1.47	11.0	8.6	0.2	9	0.3	1.3	0.2	42	0.02	0.074	7
1181071	Soil Pulp	1.4	20.3	10.4	41	0.6	9.1	2.2	22	1.11	8.0	8.3	0.5	17	<0.1	1.1	0.1	36	<0.01	0.035	20
1181072	Soil Pulp	2.5	23.5	11.9	52	0.9	10.5	2.6	130	2.05	10.6	10.6	1.8	23	0.3	1.1	0.2	37	0.02	0.048	15
1181073	Soil Pulp	4.0	44.3	11.4	70	1.1	19.5	3.9	122	2.73	17.0	9.8	0.3	23	0.2	2.4	0.2	49	0.05	0.094	10
1181074	Soil Pulp	4.0	34.6	14.7	68	1.4	16.1	5.9	171	3.87	14.4	7.7	2.7	15	0.1	1.7	0.3	60	0.03	0.062	10
1181075	Soil Pulp	5.0	18.7	12.6	57	2.4	12.1	2.8	93	3.09	17.4	9.4	2.4	20	0.3	2.2	0.2	65	0.03	0.166	11
1181076	Soil Pulp	18.0	27.7	16.7	54	9.0	17.3	1.7	44	2.76	15.6	8.2	<0.1	52	0.4	1.8	0.3	61	0.11	0.335	8
1181077	Soil Pulp	10.9	13.4	17.4	31	2.2	5.3	1.2	32	1.31	7.7	9.5	0.3	41	0.2	1.7	0.3	53	0.03	0.072	20
1181078	Soil Pulp	5.9	36.1	18.1	57	1.7	11.9	3.1	103	3.53	18.3	8.0	0.6	26	0.2	2.3	0.3	67	0.02	0.124	11
1181079	Soil Pulp	2.2	12.5	8.6	39	0.6	8.3	1.7	32	1.29	7.6	7.0	0.1	9	0.1	1.2	0.2	40	<0.01	0.034	10
1181080	Soil Pulp	8.3	18.1	14.7	58	3.0	9.9	1.8	51	3.92	21.2	11.0	3.0	23	0.3	5.0	0.2	63	0.02	0.124	12



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1180593	Soil Pulp	14	0.18	735	0.005	<1	0.59	0.003	0.03	<0.1	0.16	1.2	<0.1	<0.05	2	2.8	<0.2
1180753	Soil Pulp	13	0.37	523	0.007	<1	0.76	0.005	0.08	0.2	0.15	2.2	0.1	<0.05	2	1.3	<0.2
1180754	Soil Pulp	21	0.25	1682	0.013	<1	2.06	0.005	0.11	0.2	0.45	1.8	1.6	0.26	4	17.2	<0.2
1180755	Soil Pulp	8	0.03	53	0.002	<1	0.22	0.002	0.07	<0.1	0.16	1.0	0.6	1.83	<1	19.2	<0.2
1180810	Soil Pulp	11	0.46	203	0.005	3	0.70	0.004	0.10	<0.1	0.31	3.1	0.1	0.10	2	1.6	<0.2
1180978	Soil Pulp	16	0.54	187	0.010	<1	0.80	0.004	0.07	<0.1	0.14	2.3	<0.1	<0.05	2	0.8	<0.2
1180988	Soil Pulp	16	0.12	2098	0.006	3	0.79	0.003	0.04	0.2	0.58	0.7	0.5	0.20	2	8.1	<0.2
1181058	Soil Pulp	15	0.13	274	0.014	2	0.92	0.003	0.02	0.1	0.02	1.3	0.1	<0.05	8	<0.5	<0.2
1181059	Soil Pulp	35	0.37	1164	0.007	2	1.61	0.004	0.14	<0.1	0.08	8.1	<0.1	0.08	5	0.8	<0.2
1181060	Soil Pulp	30	0.19	951	0.010	3	1.88	0.003	0.09	<0.1	0.57	2.0	0.6	0.18	5	11.8	<0.2
1181061	Soil Pulp	9	0.01	362	0.007	<1	0.26	0.002	0.05	<0.1	0.05	0.3	0.4	0.06	3	7.4	<0.2
1181062	Soil Pulp	8	0.02	384	0.006	1	0.35	0.002	0.04	0.1	0.01	0.4	0.4	0.07	3	3.4	<0.2
1181063	Soil Pulp	14	0.01	2342	0.007	2	0.74	0.004	0.04	<0.1	0.50	1.3	0.3	0.16	2	2.5	<0.2
1181064	Soil Pulp	5	0.01	293	0.004	3	0.20	0.001	0.04	0.1	0.03	0.4	0.3	0.05	2	5.6	<0.2
1181065	Soil Pulp	23	0.04	1890	0.019	2	0.60	0.004	0.05	0.2	0.37	0.9	0.3	0.11	6	6.6	<0.2
1181066	Soil Pulp	24	0.02	2583	0.007	<1	0.52	0.003	0.03	0.1	0.07	0.2	0.2	0.09	5	1.1	<0.2
1181067	Soil Pulp	14	0.08	317	0.008	<1	0.92	0.003	0.05	0.2	0.05	1.0	0.1	<0.05	4	<0.5	<0.2
1181068	Soil Pulp	18	0.07	542	0.013	2	1.08	0.004	0.04	0.2	0.10	0.9	<0.1	0.07	5	0.7	<0.2
1181069	Soil Pulp	10	0.03	252	0.012	<1	0.47	0.002	0.04	0.1	0.01	0.8	0.1	0.06	3	1.3	<0.2
1181070	Soil Pulp	11	0.01	542	0.003	2	0.36	0.002	0.03	0.1	0.02	0.2	<0.1	0.07	2	0.6	<0.2
1181071	Soil Pulp	7	0.01	221	0.002	<1	0.40	0.003	0.02	<0.1	<0.01	0.4	<0.1	0.07	3	0.8	<0.2
1181072	Soil Pulp	10	0.03	1141	0.010	<1	0.59	0.009	0.04	0.1	0.03	0.7	<0.1	0.13	3	<0.5	<0.2
1181073	Soil Pulp	15	0.12	840	0.006	<1	0.82	0.005	0.05	<0.1	0.04	0.7	0.1	0.09	3	1.3	<0.2
1181074	Soil Pulp	24	0.19	472	0.011	1	1.31	0.003	0.05	0.2	0.08	1.6	<0.1	0.07	5	0.8	<0.2
1181075	Soil Pulp	21	0.14	434	0.008	1	1.11	0.003	0.05	0.2	0.11	1.2	0.1	0.08	4	1.6	<0.2
1181076	Soil Pulp	20	0.04	2485	0.002	2	0.70	0.005	0.07	0.2	0.18	0.3	0.3	0.15	3	3.7	0.2
1181077	Soil Pulp	12	0.03	767	0.005	2	0.46	0.003	0.08	0.1	0.04	0.3	0.3	0.14	3	3.2	<0.2
1181078	Soil Pulp	17	0.07	931	0.008	2	0.86	0.010	0.06	0.1	0.05	0.9	0.1	0.11	4	1.5	<0.2
1181079	Soil Pulp	9	0.02	258	0.004	<1	0.43	0.002	0.03	0.1	0.03	0.2	<0.1	<0.05	3	<0.5	<0.2
1181080	Soil Pulp	21	0.12	701	0.010	<1	1.13	0.004	0.06	0.2	0.25	1.3	0.4	0.09	5	3.2	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1181081	Soil Pulp	9.5	16.9	15.9	54	2.2	11.0	2.6	78	4.00	27.9	10.6	2.8	19	0.1	6.5	0.3	89	0.02	0.133
1181082	Soil Pulp	6.6	7.8	9.4	41	1.0	6.4	1.6	52	1.13	12.2	6.9	1.2	10	0.3	3.3	0.2	53	0.02	0.027
1181083	Soil Pulp	2.2	6.2	10.0	30	2.7	4.3	1.4	55	1.50	9.7	7.8	1.2	6	0.2	0.8	0.2	57	0.03	0.083
1181084	Soil Pulp	23.5	20.7	26.4	98	3.3	12.7	1.9	46	3.13	33.3	9.2	0.3	50	0.3	9.7	0.3	94	0.01	0.138
1181085	Soil Pulp	24.5	46.0	36.2	70	3.8	21.6	5.6	261	3.69	47.8	28.9	0.3	93	0.7	10.8	0.6	79	0.06	0.132
1181086	Soil Pulp	4.0	21.4	16.2	54	2.6	9.5	3.0	100	3.61	21.2	11.8	1.8	16	0.3	2.3	0.3	80	0.03	0.117
1181087	Soil Pulp	7.4	22.7	15.4	71	4.1	16.1	2.0	47	3.69	21.3	12.3	0.5	21	0.6	3.1	0.2	76	0.04	0.521
1181088	Soil Pulp	4.7	8.2	12.0	28	1.4	6.5	1.5	36	1.63	15.6	9.4	2.4	20	0.3	1.2	0.3	91	0.03	0.105
1181089	Soil Pulp	7.3	16.9	8.7	55	1.1	10.2	1.9	60	1.61	20.8	15.3	1.6	32	0.2	4.9	0.2	54	0.02	0.066
1181090	Soil Pulp	7.7	30.3	15.8	55	4.5	11.1	3.5	156	3.03	22.4	13.2	3.2	37	0.2	3.5	0.3	83	0.03	0.103
1181091	Soil Pulp	12.7	35.9	28.7	47	2.9	8.4	3.1	132	3.37	28.9	14.0	3.0	44	0.2	4.6	0.3	88	0.02	0.128
1181092	Soil Pulp	4.2	19.3	16.0	69	1.9	10.9	2.7	92	3.32	19.7	10.5	2.9	19	0.2	1.9	0.2	79	0.02	0.123
1181093	Soil Pulp	6.7	22.8	13.0	82	3.0	15.7	4.2	106	3.22	25.9	9.4	3.3	43	0.3	3.9	0.3	61	0.01	0.076
1181094	Soil Pulp	1.5	7.5	8.4	19	<0.1	4.0	1.4	41	1.08	8.3	<0.5	2.0	5	<0.1	0.6	0.3	42	0.02	0.018
1181095	Soil Pulp	2.1	16.1	15.1	45	0.6	10.7	4.0	187	3.74	15.0	0.6	2.4	6	<0.1	1.0	0.4	76	0.02	0.091
1181096	Soil Pulp	2.3	14.9	14.3	66	0.3	13.5	4.1	185	3.72	14.0	4.0	2.7	8	<0.1	1.1	0.3	59	0.03	0.077
1181097	Soil Pulp	2.2	22.7	11.5	47	0.2	9.8	2.7	103	2.59	10.4	1.1	1.5	9	<0.1	1.2	0.2	47	0.03	0.056
1181098	Soil Pulp	2.0	18.2	9.5	54	0.2	10.7	3.6	158	3.26	10.5	1.3	2.5	7	<0.1	0.8	0.3	50	0.03	0.045
1181099	Soil Pulp	2.4	15.9	13.3	42	0.2	9.5	3.3	127	3.17	12.4	<0.5	2.5	8	<0.1	0.8	0.4	68	0.02	0.046
1181100	Soil Pulp	3.5	61.5	19.7	90	0.3	26.9	10.2	434	4.12	14.7	1.1	2.3	31	0.1	0.9	0.3	32	0.03	0.080
1181101	Soil Pulp	2.9	43.3	17.8	84	0.4	17.6	7.6	311	3.93	13.5	3.3	2.8	12	0.2	0.8	0.3	53	0.03	0.069
1181102	Soil Pulp	2.0	15.0	13.0	44	0.2	9.9	2.9	121	2.61	9.6	<0.5	2.2	9	<0.1	0.7	0.3	49	0.02	0.040
1181103	Soil Pulp	1.8	48.7	14.9	60	0.3	14.2	4.0	125	3.05	8.5	3.2	2.2	15	<0.1	0.8	0.3	44	0.03	0.050
1181104	Soil Pulp	2.4	16.7	13.3	63	0.3	11.7	3.5	155	3.20	12.4	2.1	2.6	12	<0.1	1.0	0.3	48	0.03	0.043
1181105	Soil Pulp	1.8	12.2	13.1	46	0.3	9.5	3.2	236	2.71	8.2	<0.5	1.0	8	0.1	0.6	0.3	58	0.03	0.050
1181106	Soil Pulp	1.8	37.9	13.4	81	0.1	28.7	6.0	112	3.33	11.0	4.6	2.9	11	0.1	0.8	0.3	33	0.01	0.039
1181107	Soil Pulp	3.3	47.3	16.4	69	0.6	13.8	4.1	58	2.74	26.5	1.6	1.0	22	<0.1	2.3	0.3	32	<0.01	0.064
1181108	Soil Pulp	1.5	41.7	10.1	59	0.5	14.4	3.2	57	2.30	23.5	3.8	0.5	9	0.1	2.6	0.2	27	0.01	0.040
1181109	Soil Pulp	2.5	27.7	14.7	52	0.6	12.4	3.3	133	3.31	33.0	2.7	1.3	13	<0.1	2.1	0.3	55	0.02	0.063
1181110	Soil Pulp	2.1	30.3	13.4	61	0.5	10.9	3.1	165	3.05	12.7	1.2	0.9	11	0.3	1.5	0.3	42	0.02	0.051



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181081	Soil Pulp	18	0.11	545	0.024	<1	0.97	0.004	0.06	0.3	0.24	1.2	0.5	0.07	6	2.0	<0.2
1181082	Soil Pulp	8	0.04	350	0.024	<1	0.45	0.003	0.03	0.2	0.07	0.5	0.3	<0.05	3	0.6	<0.2
1181083	Soil Pulp	11	0.06	175	0.023	1	0.80	0.002	0.03	0.2	0.08	0.7	0.2	<0.05	6	<0.5	<0.2
1181084	Soil Pulp	12	0.03	920	0.008	1	0.57	0.009	0.09	0.3	0.12	0.5	0.8	0.23	3	8.5	<0.2
1181085	Soil Pulp	18	0.11	1331	0.004	2	0.84	0.006	0.11	0.3	0.44	0.8	1.0	0.11	4	5.4	0.3
1181086	Soil Pulp	19	0.15	301	0.020	<1	0.98	0.003	0.05	0.2	0.13	1.0	0.2	0.05	6	1.7	<0.2
1181087	Soil Pulp	24	0.08	2459	0.015	<1	0.95	0.003	0.05	0.3	0.20	1.1	0.2	0.07	5	3.1	<0.2
1181088	Soil Pulp	15	0.07	370	0.011	1	1.23	0.002	0.04	0.2	0.08	1.1	0.3	0.08	6	1.4	<0.2
1181089	Soil Pulp	13	0.09	431	0.007	1	0.77	0.002	0.06	0.2	0.38	0.9	0.3	0.08	2	3.0	<0.2
1181090	Soil Pulp	26	0.19	520	0.013	<1	1.71	0.004	0.07	0.3	0.55	1.6	0.3	0.07	5	3.8	<0.2
1181091	Soil Pulp	25	0.17	784	0.010	1	1.59	0.003	0.07	0.3	1.33	1.7	0.4	<0.05	5	3.9	0.3
1181092	Soil Pulp	20	0.15	323	0.012	<1	1.29	0.005	0.06	0.2	0.12	1.4	0.2	<0.05	5	1.5	<0.2
1181093	Soil Pulp	20	0.17	553	0.005	2	1.38	0.006	0.07	0.2	0.27	1.3	0.3	<0.05	4	3.2	<0.2
1181094	Soil Pulp	7	0.04	155	0.013	<1	0.59	0.002	0.02	0.1	<0.01	0.5	0.1	<0.05	6	<0.5	<0.2
1181095	Soil Pulp	22	0.18	168	0.024	<1	1.21	0.004	0.04	0.2	0.04	1.3	0.1	<0.05	7	<0.5	<0.2
1181096	Soil Pulp	23	0.22	173	0.008	<1	1.42	0.004	0.04	0.2	0.04	1.4	0.1	<0.05	6	<0.5	<0.2
1181097	Soil Pulp	13	0.08	210	0.008	<1	0.78	0.003	0.03	0.1	<0.01	0.8	<0.1	<0.05	5	0.6	<0.2
1181098	Soil Pulp	20	0.15	211	0.004	<1	1.27	0.003	0.04	0.1	0.03	1.2	<0.1	<0.05	6	<0.5	<0.2
1181099	Soil Pulp	15	0.10	308	0.020	<1	0.91	0.002	0.03	0.2	0.02	1.1	0.2	<0.05	6	<0.5	<0.2
1181100	Soil Pulp	24	0.39	874	0.003	<1	1.40	0.006	0.05	<0.1	0.04	1.8	0.1	0.08	4	<0.5	<0.2
1181101	Soil Pulp	25	0.21	630	0.005	<1	1.83	0.004	0.06	0.2	0.08	2.0	0.1	0.05	6	<0.5	<0.2
1181102	Soil Pulp	15	0.10	214	0.007	<1	1.00	0.004	0.04	0.1	0.05	1.3	<0.1	<0.05	5	<0.5	<0.2
1181103	Soil Pulp	17	0.19	921	0.004	<1	1.25	0.004	0.06	<0.1	0.02	1.5	0.1	<0.05	5	<0.5	<0.2
1181104	Soil Pulp	18	0.19	262	0.008	<1	1.09	0.004	0.05	0.2	0.02	1.2	0.1	<0.05	6	<0.5	<0.2
1181105	Soil Pulp	15	0.12	296	0.011	<1	0.90	0.004	0.04	0.2	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
1181106	Soil Pulp	20	0.40	406	0.004	<1	1.13	0.003	0.04	<0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1181107	Soil Pulp	9	0.02	217	0.003	<1	0.38	0.003	0.03	<0.1	0.02	0.8	<0.1	<0.05	3	0.8	<0.2
1181108	Soil Pulp	9	0.03	367	0.003	<1	0.51	0.004	0.04	<0.1	0.02	0.9	<0.1	<0.05	2	1.0	<0.2
1181109	Soil Pulp	18	0.13	153	0.014	<1	0.93	0.003	0.06	0.2	0.02	1.0	<0.1	<0.05	5	0.5	<0.2
1181110	Soil Pulp	15	0.07	330	0.006	1	0.79	0.003	0.05	<0.1	0.01	1.0	<0.1	<0.05	4	0.7	0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
1181111	Soil Pulp	2.0	34.1	12.5	53	1.1	11.0	3.0	159	2.57	12.1	4.1	1.1	15	0.3	1.6	0.3	41	0.02	0.042	10
1181112	Soil Pulp	2.5	52.3	15.8	101	0.9	23.4	7.1	347	3.80	18.8	4.5	0.9	18	0.3	2.5	0.3	40	0.04	0.065	9
1181113	Soil Pulp	2.4	91.9	18.9	113	0.5	33.0	11.3	726	3.27	14.8	4.1	1.0	14	0.7	1.3	0.3	31	0.03	0.073	12
1181114	Soil Pulp	2.0	27.6	13.4	70	0.3	13.1	4.7	290	3.66	15.0	1.9	2.7	7	0.1	1.4	0.3	58	0.02	0.055	12
1181115	Soil Pulp	2.4	14.0	12.7	46	0.4	9.4	3.5	184	3.41	13.9	1.5	3.4	8	<0.1	1.1	0.3	72	0.03	0.041	13
1181116	Soil Pulp	2.0	55.7	13.8	85	0.4	20.7	4.8	185	3.61	12.5	2.9	1.9	12	0.1	1.2	0.4	42	0.02	0.057	11
1181117	Soil Pulp	2.0	37.2	13.6	90	0.6	19.0	5.8	199	3.56	12.5	5.3	2.9	11	0.2	1.2	0.3	49	0.03	0.040	9
1181118	Soil Pulp	1.7	20.6	8.5	45	0.2	7.7	2.7	167	2.25	8.9	3.3	1.6	11	<0.1	1.0	0.2	42	0.03	0.038	10
1181119	Soil Pulp	1.8	26.9	12.2	55	2.1	8.8	2.8	106	3.07	9.6	1.0	2.0	11	0.2	1.2	0.3	45	0.02	0.033	8
1181120	Soil Pulp	2.6	49.4	13.0	87	0.5	19.8	5.2	174	2.75	12.5	2.4	0.5	20	0.2	1.5	0.3	34	0.04	0.054	9
1181121	Soil Pulp	1.9	40.2	13.5	74	0.7	20.0	5.5	206	2.82	10.6	44.2	1.1	13	0.2	1.0	0.2	38	0.06	0.061	11
1181122	Soil Pulp	1.6	20.9	6.9	24	0.5	5.3	1.4	42	0.84	5.1	1.7	0.2	7	<0.1	0.6	0.2	25	0.01	0.042	11
1181123	Soil Pulp	2.5	36.0	11.8	55	0.2	12.0	3.1	131	3.20	17.3	1.3	1.5	11	<0.1	1.8	0.3	56	<0.01	0.066	9
1181124	Soil Pulp	2.0	12.4	15.4	59	0.9	11.8	4.2	229	3.66	14.0	1.3	1.7	8	<0.1	0.9	0.3	81	0.04	0.064	13
1181125	Soil Pulp	2.9	58.9	12.2	118	0.2	34.4	6.8	225	2.69	13.1	3.2	2.5	59	0.2	1.3	0.3	29	0.10	0.034	12
1181126	Soil Pulp	3.5	54.7	14.7	82	0.8	21.4	5.2	130	3.12	18.4	12.8	1.4	20	<0.1	2.1	0.3	30	0.01	0.044	7
1181127	Soil Pulp	2.0	24.0	11.1	42	0.5	7.8	2.1	59	2.12	10.9	1.5	1.5	14	<0.1	1.2	0.3	43	0.02	0.038	9
1181128	Soil Pulp	2.6	21.5	11.2	36	0.2	8.5	2.2	91	2.26	13.0	2.6	2.4	12	<0.1	1.0	0.3	54	0.02	0.048	12
1181129	Soil Pulp	7.9	32.9	12.6	64	<0.1	21.7	6.6	205	2.51	2.7	6.2	3.2	12	0.2	0.5	0.6	31	0.01	0.031	13
1181802	Soil Pulp	11.2	69.3	11.6	354	1.3	53.4	10.7	398	2.47	21.8	8.4	2.0	48	5.5	5.0	0.4	91	0.54	0.089	17
1181803	Soil Pulp	6.2	38.9	13.2	103	1.8	21.8	7.4	354	2.52	20.4	10.2	2.4	39	0.6	2.3	0.4	51	0.21	0.091	17
1181804	Soil Pulp	23.7	123.2	13.7	685	2.2	127.3	14.3	380	3.08	47.5	10.5	3.0	55	5.0	8.0	0.4	120	0.22	0.081	25
1181805	Soil Pulp	6.5	66.6	8.4	271	1.3	61.7	13.7	415	3.23	23.0	7.2	2.1	70	2.3	4.8	0.3	70	0.73	0.134	14
1181806	Soil Pulp	3.3	29.9	9.2	94	0.7	26.5	11.1	351	3.10	17.0	6.7	3.0	31	0.6	1.8	0.3	47	0.27	0.106	17
1181807	Soil Pulp	2.8	30.8	7.1	171	1.0	39.0	14.4	926	2.96	12.1	6.6	2.1	58	1.0	1.6	0.2	51	0.60	0.122	14
1181808	Soil Pulp	5.4	50.4	8.8	175	0.8	44.1	9.9	269	2.70	26.4	8.4	2.9	44	0.9	3.5	0.2	50	0.29	0.118	21
1181809	Soil Pulp	1.8	36.4	6.4	94	0.8	38.9	17.6	873	3.76	13.0	5.7	0.7	138	0.6	0.9	0.2	43	1.63	0.133	11
1181810	Soil Pulp	1.6	23.1	4.6	89	0.1	66.9	38.0	2322	7.82	2.8	1.6	1.0	56	0.4	0.5	0.2	76	1.19	0.158	16
1181811	Soil Pulp	2.2	29.9	17.0	77	0.2	28.3	12.2	450	5.19	7.5	3.3	2.4	58	0.6	1.1	0.3	46	0.60	0.101	20
1181812	Soil Pulp	3.2	35.4	10.6	44	0.9	15.1	5.5	118	2.35	5.3	3.7	1.1	117	0.3	0.9	0.3	38	1.49	0.061	11



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181111	Soil Pulp	14	0.08	604	0.009	<1	0.78	0.003	0.05	0.1	0.05	1.1	<0.1	<0.05	4	0.9	<0.2
1181112	Soil Pulp	22	0.25	251	0.010	<1	1.06	0.004	0.06	0.1	0.04	1.2	0.1	<0.05	4	1.2	<0.2
1181113	Soil Pulp	20	0.27	1016	0.004	2	1.29	0.004	0.05	<0.1	0.07	1.0	<0.1	<0.05	4	0.7	0.2
1181114	Soil Pulp	19	0.13	312	0.016	<1	1.04	0.003	0.05	0.2	<0.01	1.4	<0.1	<0.05	6	<0.5	<0.2
1181115	Soil Pulp	23	0.16	227	0.025	<1	1.10	0.004	0.05	0.2	0.01	1.4	0.2	<0.05	7	<0.5	<0.2
1181116	Soil Pulp	20	0.25	554	0.007	2	0.99	0.004	0.05	<0.1	0.03	1.3	<0.1	<0.05	5	0.8	<0.2
1181117	Soil Pulp	25	0.23	323	0.012	<1	1.45	0.003	0.05	0.1	0.04	1.5	0.1	<0.05	5	0.7	<0.2
1181118	Soil Pulp	12	0.05	306	0.013	<1	0.60	0.003	0.05	<0.1	0.02	0.8	<0.1	<0.05	4	<0.5	<0.2
1181119	Soil Pulp	14	0.07	160	0.014	<1	0.62	0.002	0.04	0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
1181120	Soil Pulp	18	0.21	520	0.005	1	0.87	0.004	0.04	<0.1	0.04	0.8	<0.1	<0.05	3	0.5	<0.2
1181121	Soil Pulp	23	0.34	289	0.012	1	1.37	0.005	0.06	0.2	0.05	1.4	0.1	<0.05	4	0.6	<0.2
1181122	Soil Pulp	9	0.03	166	0.003	<1	0.49	0.002	0.03	<0.1	0.05	<0.1	<0.1	<0.05	3	<0.5	<0.2
1181123	Soil Pulp	14	0.09	216	0.009	<1	0.67	0.002	0.03	0.1	<0.01	1.0	0.1	<0.05	6	<0.5	<0.2
1181124	Soil Pulp	24	0.22	117	0.033	<1	1.25	0.003	0.06	0.2	0.03	1.4	0.1	<0.05	8	<0.5	<0.2
1181125	Soil Pulp	19	0.30	2658	0.006	1	0.92	0.003	0.06	<0.1	0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1181126	Soil Pulp	18	0.20	904	0.006	2	0.79	0.004	0.05	<0.1	0.05	1.2	0.1	<0.05	3	2.3	<0.2
1181127	Soil Pulp	11	0.06	314	0.009	1	0.47	0.002	0.04	<0.1	0.01	0.8	<0.1	<0.05	5	0.7	<0.2
1181128	Soil Pulp	13	0.09	205	0.013	1	0.65	0.003	0.04	0.1	0.01	0.9	<0.1	<0.05	5	1.0	<0.2
1181129	Soil Pulp	20	0.27	1829	0.004	2	0.93	0.002	0.03	<0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1181802	Soil Pulp	20	0.30	709	0.003	3	0.83	0.003	0.09	<0.1	0.48	2.8	0.2	<0.05	3	2.4	<0.2
1181803	Soil Pulp	18	0.19	443	0.003	2	0.83	0.003	0.07	<0.1	0.46	1.7	0.2	<0.05	3	2.3	<0.2
1181804	Soil Pulp	19	0.20	872	0.002	2	0.77	0.002	0.09	<0.1	1.66	2.9	0.3	<0.05	2	6.6	<0.2
1181805	Soil Pulp	28	0.46	1189	0.004	3	1.03	0.003	0.10	<0.1	0.47	3.8	0.2	<0.05	3	4.5	<0.2
1181806	Soil Pulp	26	0.37	704	0.003	2	0.99	0.003	0.09	<0.1	0.22	2.8	0.1	<0.05	3	1.7	<0.2
1181807	Soil Pulp	31	0.47	717	0.004	2	1.09	0.003	0.09	<0.1	0.29	4.1	0.1	<0.05	3	1.7	<0.2
1181808	Soil Pulp	19	0.23	500	0.006	2	0.74	0.002	0.08	<0.1	0.19	2.6	0.1	<0.05	3	2.8	<0.2
1181809	Soil Pulp	30	0.47	789	0.004	3	1.38	0.005	0.07	<0.1	0.20	4.9	<0.1	0.05	4	1.3	<0.2
1181810	Soil Pulp	71	0.73	910	0.007	4	2.08	0.005	0.11	<0.1	0.09	13.9	<0.1	<0.05	8	<0.5	<0.2
1181811	Soil Pulp	18	0.19	479	0.004	2	0.78	0.003	0.05	<0.1	0.05	2.0	<0.1	<0.05	3	1.0	<0.2
1181812	Soil Pulp	10	0.16	953	0.006	1	0.80	0.003	0.05	<0.1	0.10	1.6	<0.1	0.07	3	1.3	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1181813	Soil Pulp	10.7	90.1	10.1	518	7.1	96.0	11.9	361	2.59	19.9	9.9	1.7	55	3.1	6.7	0.3	65	0.40	0.118
1181814	Soil Pulp	8.9	41.4	17.0	399	2.5	70.1	7.0	61	2.28	57.7	19.0	0.2	38	1.4	22.0	0.3	98	0.26	0.073
1181815	Soil Pulp	13.4	101.2	11.2	602	3.7	117.6	12.8	1573	2.60	16.8	8.2	0.9	81	12.5	5.9	0.2	96	0.89	0.163
1181816	Soil Pulp	7.4	56.1	9.6	206	4.0	50.5	8.3	296	2.32	16.7	8.3	1.8	73	1.7	5.7	0.2	67	0.37	0.147
1181817	Soil Pulp	4.4	18.5	5.9	135	8.9	17.1	1.4	21	0.82	5.8	3.2	<0.1	7	0.4	1.8	0.2	68	0.04	0.035
1181818	Soil Pulp	9.4	24.7	13.1	120	4.3	23.7	3.0	72	2.10	26.9	8.5	0.4	38	0.3	4.6	0.2	101	0.03	0.187
1181819	Soil Pulp	23.7	259.7	38.1	263	9.7	47.4	7.6	301	6.31	121.0	40.3	3.4	302	9.1	17.1	0.4	611	0.15	1.191
1181820	Soil Pulp	12.1	34.0	10.2	43	5.9	9.4	1.3	30	1.55	25.6	11.5	1.1	55	0.5	8.7	0.2	109	0.07	0.306
1181821	Soil Pulp	10.6	52.0	12.5	133	3.0	33.4	5.1	147	2.46	26.6	10.7	0.3	61	0.8	7.3	0.2	126	0.07	0.222
1181822	Soil Pulp	6.7	49.2	10.7	156	3.5	31.1	5.9	227	2.87	24.4	7.9	0.6	35	1.4	4.0	0.2	92	0.09	0.161
1181823	Soil Pulp	27.0	29.0	20.4	181	20.5	25.3	2.3	58	3.30	66.8	5.0	3.1	90	2.2	20.6	0.3	146	0.06	0.181
1181824	Soil Pulp	6.9	7.8	13.9	45	1.3	6.7	1.6	57	1.98	17.5	2.6	1.9	10	0.3	4.1	0.3	99	0.02	0.039
1181825	Soil Pulp	10.5	27.3	12.9	375	0.9	28.5	2.6	89	4.46	23.5	3.8	2.9	65	2.7	7.3	0.2	70	0.07	0.063
1181826	Soil Pulp	27.9	22.9	14.3	182	0.9	15.5	1.6	31	3.35	65.8	3.0	1.5	48	2.0	16.2	0.3	143	0.05	0.086
1181827	Soil Pulp	19.3	15.6	13.4	59	1.4	10.8	2.6	75	3.34	34.0	4.7	3.1	31	0.2	5.5	0.2	117	0.03	0.081
1181828	Soil Pulp	7.5	18.8	9.4	53	0.9	8.6	1.3	38	1.49	16.4	5.0	1.4	33	0.2	3.9	0.2	74	0.02	0.077
1181829	Soil Pulp	4.2	62.7	15.1	191	2.7	23.9	3.5	39	4.11	30.8	14.8	1.8	27	0.2	7.9	0.4	35	0.01	0.067
1181830	Soil Pulp	3.4	9.0	13.8	56	7.3	8.0	2.1	101	2.43	15.1	2.3	1.9	11	0.2	1.7	0.3	93	0.03	0.047
1181831	Soil Pulp	5.2	10.6	14.3	47	1.1	8.3	2.0	65	2.34	32.2	3.5	2.9	20	0.2	2.5	0.3	81	0.03	0.065
1181832	Soil Pulp	4.0	12.5	11.2	72	0.3	13.4	3.2	102	2.24	27.5	3.4	3.2	22	0.1	2.6	0.2	57	0.04	0.035
1181833	Soil Pulp	8.6	27.7	23.9	70	1.2	14.4	4.0	153	2.81	42.0	8.4	0.7	58	0.2	4.4	0.3	73	0.03	0.111
1181834	Soil Pulp	5.8	46.5	10.9	69	0.8	15.3	2.7	62	2.35	25.9	9.2	2.8	51	0.2	4.2	0.2	46	0.03	0.070
1181835	Soil Pulp	7.0	46.4	12.9	74	0.7	17.2	2.7	70	2.49	30.0	9.9	0.4	58	0.3	4.4	0.2	50	0.04	0.088
1181836	Soil Pulp	7.9	37.4	15.3	68	2.2	15.2	2.5	56	3.49	33.1	8.3	1.1	124	0.2	6.4	0.2	49	0.03	0.139
1181837	Soil Pulp	13.4	66.0	16.4	97	1.8	20.4	2.2	51	2.99	36.0	8.7	3.3	94	0.4	9.4	0.3	72	0.03	0.148
1181838	Soil Pulp	12.9	17.2	12.6	45	1.3	7.2	0.9	21	1.81	31.2	7.3	1.5	57	0.1	7.8	0.2	92	<0.01	0.102
1181839	Soil Pulp	10.3	20.9	9.7	57	0.9	10.4	1.2	23	1.41	20.8	7.4	1.3	67	0.1	7.4	0.2	56	0.04	0.088
1181840	Soil Pulp	10.8	27.7	11.1	55	2.6	10.2	1.5	36	1.70	18.5	5.3	2.8	38	0.3	5.0	0.2	79	<0.01	0.065
1181841	Soil Pulp	5.9	33.9	13.1	31	2.6	7.2	1.3	26	0.98	9.1	2.6	0.3	44	0.9	2.0	0.2	51	0.03	0.092
1181842	Soil Pulp	11.4	42.6	12.9	84	1.8	17.8	3.0	113	2.00	26.3	7.9	1.3	68	1.4	6.7	0.2	70	0.06	0.151



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181813	Soil Pulp	19	0.16	288	0.005	3	0.81	0.003	0.09	0.1	0.42	2.9	0.3	<0.05	2	3.6	<0.2
1181814	Soil Pulp	16	0.09	325	0.006	2	0.63	0.003	0.07	0.1	0.14	0.6	0.2	<0.05	5	3.4	<0.2
1181815	Soil Pulp	21	0.12	1000	0.003	2	0.85	0.003	0.08	0.1	0.85	2.7	0.4	<0.05	2	6.0	<0.2
1181816	Soil Pulp	22	0.15	722	0.004	3	0.56	0.003	0.09	<0.1	0.64	3.0	0.2	<0.05	2	6.6	<0.2
1181817	Soil Pulp	26	0.02	160	0.004	2	0.33	0.002	0.03	<0.1	0.06	0.1	<0.1	<0.05	4	2.0	<0.2
1181818	Soil Pulp	18	0.04	215	0.005	2	0.41	0.002	0.07	0.2	0.12	0.9	0.3	0.05	4	8.0	<0.2
1181819	Soil Pulp	67	0.07	167	0.013	3	0.91	0.008	0.32	0.9	1.04	7.3	0.8	0.66	4	23.1	0.8
1181820	Soil Pulp	25	0.04	332	0.005	2	0.37	0.002	0.10	0.3	0.81	2.0	0.5	0.12	3	19.5	0.4
1181821	Soil Pulp	33	0.14	443	0.007	3	0.74	0.003	0.12	0.2	0.41	1.3	0.4	0.11	3	10.4	0.3
1181822	Soil Pulp	29	0.19	319	0.011	2	1.16	0.003	0.07	0.1	0.59	1.6	0.3	<0.05	4	4.5	<0.2
1181823	Soil Pulp	21	0.07	357	0.009	2	2.54	0.006	0.24	0.2	1.57	2.5	1.0	0.41	3	14.4	0.2
1181824	Soil Pulp	13	0.05	248	0.022	<1	0.72	0.002	0.04	0.2	0.07	0.9	0.4	<0.05	5	1.5	<0.2
1181825	Soil Pulp	23	0.20	1215	0.015	1	1.03	0.007	0.08	0.2	0.12	1.6	0.5	0.07	5	8.6	<0.2
1181826	Soil Pulp	15	0.05	972	0.017	2	0.50	0.004	0.09	0.3	0.19	1.0	0.8	0.08	4	11.5	<0.2
1181827	Soil Pulp	20	0.09	614	0.010	1	1.22	0.007	0.08	0.2	0.14	1.4	0.5	0.14	4	6.0	<0.2
1181828	Soil Pulp	11	0.06	622	0.006	2	0.59	0.003	0.06	0.2	0.20	0.9	0.4	0.07	2	2.6	<0.2
1181829	Soil Pulp	10	0.06	907	0.002	2	0.47	0.001	0.04	<0.1	0.12	1.3	0.1	0.07	2	4.0	<0.2
1181830	Soil Pulp	18	0.11	213	0.023	<1	1.01	0.003	0.04	0.2	0.08	1.1	0.2	<0.05	6	1.0	<0.2
1181831	Soil Pulp	17	0.11	319	0.012	2	0.98	0.003	0.05	0.2	0.08	1.3	0.3	<0.05	5	1.7	<0.2
1181832	Soil Pulp	16	0.20	340	0.017	1	0.83	0.003	0.05	0.2	0.03	1.2	0.1	<0.05	4	1.9	<0.2
1181833	Soil Pulp	18	0.10	647	0.010	2	0.69	0.006	0.09	0.2	0.09	0.9	0.4	0.09	4	4.0	<0.2
1181834	Soil Pulp	15	0.16	1031	0.009	2	0.83	0.006	0.06	0.1	0.15	1.8	0.2	0.07	2	3.3	<0.2
1181835	Soil Pulp	16	0.17	1860	0.004	3	0.94	0.005	0.07	0.1	0.25	0.8	0.2	0.08	3	4.1	<0.2
1181836	Soil Pulp	15	0.12	798	0.006	2	0.58	0.018	0.11	0.1	0.46	1.1	0.4	0.24	2	5.5	<0.2
1181837	Soil Pulp	16	0.13	503	0.004	3	0.77	0.008	0.17	0.2	1.03	2.1	0.6	0.22	2	6.2	<0.2
1181838	Soil Pulp	9	0.04	708	0.004	2	0.27	0.004	0.08	0.2	0.12	0.6	0.4	0.15	2	4.8	<0.2
1181839	Soil Pulp	8	0.06	847	0.003	2	0.35	0.004	0.08	0.2	0.56	0.8	0.4	0.13	1	4.1	<0.2
1181840	Soil Pulp	12	0.07	559	0.003	2	0.77	0.003	0.07	0.2	0.53	1.1	0.4	0.12	2	3.8	<0.2
1181841	Soil Pulp	10	0.04	1252	0.002	<1	0.75	0.003	0.05	0.1	0.53	0.4	0.3	<0.05	3	2.4	<0.2
1181842	Soil Pulp	15	0.12	1128	0.005	2	0.76	0.004	0.08	0.2	0.77	1.2	0.5	0.09	2	3.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1181843	Soil Pulp	6.6	14.2	14.0	56	1.3	9.4	2.8	135	2.73	22.5	3.0	2.6	29	0.3	2.9	0.3	127	0.05	0.160
1181977	Soil Pulp	20.7	96.2	14.5	421	9.3	89.9	5.8	172	4.29	28.5	4.5	2.7	21	1.1	9.6	0.3	220	0.04	0.250
1181978	Soil Pulp	16.2	27.9	25.7	48	9.0	9.5	1.7	46	2.01	25.3	7.2	0.4	90	0.2	5.2	0.3	105	0.02	0.152
1181979	Soil Pulp	4.5	7.2	14.0	9	4.8	2.5	0.5	16	0.61	14.2	12.2	0.3	10	<0.1	4.9	0.3	48	0.01	0.068
1181980	Soil Pulp	4.0	5.2	13.7	16	3.2	3.6	1.0	30	0.81	10.2	6.2	0.2	7	<0.1	2.2	0.3	78	0.02	0.029
1181981	Soil Pulp	31.0	31.2	22.6	56	10.1	12.4	2.3	99	2.43	28.9	11.2	0.3	47	0.3	15.7	0.4	171	0.05	0.222
1181982	Soil Pulp	3.5	71.1	9.5	181	0.2	147.3	48.8	1821	9.86	7.8	3.6	2.8	42	0.7	0.9	0.2	52	0.30	0.137
1181983	Soil Pulp	12.4	67.2	37.9	158	0.5	41.0	13.0	308	3.84	32.6	4.5	0.6	95	0.8	5.6	0.5	62	0.26	0.273
1181984	Soil Pulp	3.6	60.8	18.2	152	0.1	47.3	19.0	883	3.59	52.4	7.8	4.3	20	0.8	3.6	0.3	56	0.19	0.134
1181985	Soil Pulp	6.3	53.7	19.1	194	0.3	51.1	16.4	733	3.86	28.3	3.5	5.9	17	0.7	3.8	0.3	48	0.13	0.124
1181986	Soil Pulp	3.4	55.4	20.5	115	<0.1	29.0	14.0	420	3.70	19.7	5.3	1.6	20	0.4	2.7	0.2	67	0.24	0.216
1181987	Soil Pulp	2.5	14.8	13.4	42	<0.1	9.6	3.8	131	1.51	15.6	0.9	1.6	8	<0.1	1.2	0.3	68	0.04	0.040
1181988	Soil Pulp	1.9	108.7	29.9	121	0.4	37.1	22.8	2012	3.64	8.5	7.7	3.1	36	0.7	1.6	0.3	23	0.65	0.267
1181989	Soil Pulp	3.7	25.3	12.3	83	<0.1	17.8	8.0	421	3.01	11.4	2.3	0.3	22	0.4	1.3	0.2	38	0.23	0.183
1181990	Soil Pulp	2.4	36.5	13.4	79	0.3	19.0	10.8	523	3.60	22.5	2.9	0.2	17	0.4	1.9	0.2	52	0.16	0.186
1181991	Soil Pulp	1.9	28.5	10.0	50	0.1	12.2	6.9	468	2.37	34.0	2.1	0.1	14	0.4	1.3	0.2	45	0.16	0.161
1181992	Soil Pulp	2.1	37.9	15.2	105	0.1	31.5	16.1	544	3.33	23.6	5.9	2.6	18	0.5	1.8	0.2	47	0.20	0.148
1181993	Soil Pulp	2.5	47.7	15.7	110	<0.1	32.5	18.9	647	3.80	17.1	2.5	2.8	16	0.5	2.0	0.2	50	0.17	0.147
1181994	Soil Pulp	2.9	26.9	13.7	70	0.3	15.6	8.6	537	3.10	15.9	1.6	0.5	8	0.4	1.3	0.2	56	0.03	0.114
1181995	Soil Pulp	1.4	25.0	12.7	67	0.3	11.0	6.1	370	2.05	5.5	2.2	0.1	43	0.7	0.7	0.2	51	0.51	0.110
1181996	Soil Pulp	2.4	30.8	15.3	65	0.5	16.9	7.7	253	2.65	7.6	1.5	0.2	54	0.4	1.0	0.3	58	0.75	0.121
1181997	Soil Pulp	3.1	33.5	16.1	77	0.2	20.3	11.5	447	3.08	10.0	1.4	0.8	43	0.5	1.2	0.2	32	0.75	0.115
1181998	Soil Pulp	1.8	26.3	14.8	91	0.1	20.5	17.7	800	4.16	9.5	1.4	2.6	29	0.3	0.9	0.2	91	0.34	0.064
1182451	Soil Pulp	16.0	129.9	13.8	465	6.2	136.3	18.4	325	4.01	55.8	7.2	2.1	178	5.3	11.9	0.2	197	0.80	0.266
1182452	Soil Pulp	27.4	111.1	16.5	741	2.5	172.9	18.9	485	3.46	37.6	5.2	2.2	153	6.3	10.5	0.3	96	1.53	0.178
1182453	Soil Pulp	5.9	68.9	12.2	203	0.7	41.2	10.0	454	2.68	13.1	5.6	1.6	69	1.7	2.7	0.2	49	0.58	0.174
1182454	Soil Pulp	2.7	55.1	13.9	131	0.4	34.9	13.5	533	2.81	26.7	4.5	2.4	54	0.7	3.7	0.2	37	0.89	0.210
1182455	Soil Pulp	3.4	48.6	12.5	173	0.7	43.6	12.7	526	2.65	47.7	9.5	2.5	70	1.1	5.6	0.2	44	0.81	0.187
1182456	Soil Pulp	4.1	59.7	13.2	172	0.7	40.0	11.1	448	2.39	23.6	6.8	2.7	59	1.4	4.7	0.2	41	0.75	0.216
1183048	Soil Pulp	1.2	12.8	7.2	28	0.2	7.7	3.2	137	1.36	4.0	0.9	0.1	10	0.1	0.5	0.2	37	0.10	0.103



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181843	Soil Pulp	21	0.15	557	0.016	<1	1.31	0.003	0.05	0.3	0.29	1.5	0.2	<0.05	6	1.8	<0.2
1181977	Soil Pulp	46	0.26	178	0.009	<1	1.24	0.003	0.05	0.2	0.85	2.1	0.4	<0.05	4	5.5	0.2
1181978	Soil Pulp	19	0.03	388	0.005	<1	0.63	0.003	0.08	0.3	0.59	0.4	0.3	0.16	5	7.0	0.6
1181979	Soil Pulp	11	0.02	454	0.006	3	0.35	0.003	0.05	0.1	0.17	0.4	0.2	<0.05	3	7.8	0.3
1181980	Soil Pulp	11	0.03	76	0.008	<1	0.41	0.002	0.03	0.1	0.06	0.3	0.1	<0.05	4	1.9	<0.2
1181981	Soil Pulp	36	0.06	310	0.004	<1	0.46	0.003	0.12	0.2	0.75	0.3	0.5	0.25	4	34.4	0.4
1181982	Soil Pulp	61	0.50	523	0.001	1	1.57	0.002	0.06	<0.1	0.12	11.0	0.1	<0.05	3	2.1	<0.2
1181983	Soil Pulp	23	0.20	468	0.005	1	0.99	0.005	0.13	<0.1	0.19	1.0	0.3	0.19	3	2.0	0.4
1181984	Soil Pulp	36	0.58	424	0.007	2	1.81	0.004	0.13	<0.1	0.06	2.9	0.2	<0.05	4	1.6	<0.2
1181985	Soil Pulp	24	0.40	418	0.005	1	2.00	0.004	0.14	<0.1	0.12	2.6	0.2	<0.05	4	1.9	<0.2
1181986	Soil Pulp	28	1.11	194	0.007	2	1.82	0.003	0.20	<0.1	0.05	1.3	0.2	<0.05	6	1.2	<0.2
1181987	Soil Pulp	12	0.13	148	0.017	<1	0.77	0.002	0.05	0.2	0.03	1.0	0.1	<0.05	6	0.6	<0.2
1181988	Soil Pulp	16	0.98	146	0.002	<1	1.66	0.003	0.10	<0.1	0.12	4.9	<0.1	<0.05	3	0.7	<0.2
1181989	Soil Pulp	19	0.45	372	0.002	<1	1.44	0.004	0.11	<0.1	0.04	0.6	0.1	0.06	5	0.6	<0.2
1181990	Soil Pulp	20	0.36	357	0.003	1	1.20	0.004	0.14	<0.1	0.06	0.4	0.1	0.09	5	0.6	<0.2
1181991	Soil Pulp	21	0.26	132	0.003	1	1.08	0.006	0.11	<0.1	0.04	0.3	0.1	0.10	5	0.6	<0.2
1181992	Soil Pulp	24	0.59	281	0.007	1	1.62	0.004	0.13	<0.1	0.04	2.8	0.2	<0.05	4	1.0	<0.2
1181993	Soil Pulp	24	0.60	217	0.007	2	1.71	0.004	0.16	<0.1	0.03	2.4	0.1	<0.05	5	1.2	<0.2
1181994	Soil Pulp	25	0.25	148	0.006	<1	1.33	0.005	0.09	0.1	0.03	0.7	0.2	<0.05	5	0.8	<0.2
1181995	Soil Pulp	16	0.23	423	0.005	<1	0.98	0.004	0.11	<0.1	0.05	0.5	0.1	0.06	5	0.6	<0.2
1181996	Soil Pulp	22	0.40	276	0.005	<1	1.32	0.007	0.10	<0.1	0.03	0.4	<0.1	<0.05	6	0.6	<0.2
1181997	Soil Pulp	14	0.32	239	0.004	<1	0.81	0.004	0.09	<0.1	0.05	1.1	<0.1	0.06	3	1.1	<0.2
1181998	Soil Pulp	29	0.46	345	0.012	<1	1.52	0.004	0.11	<0.1	0.02	3.3	<0.1	<0.05	7	<0.5	<0.2
1182451	Soil Pulp	53	0.27	644	0.002	1	0.78	0.003	0.11	<0.1	0.74	5.8	0.5	0.25	3	9.7	0.3
1182452	Soil Pulp	23	0.36	722	0.002	2	0.54	0.002	0.08	0.1	0.63	3.7	0.3	0.06	1	6.5	<0.2
1182453	Soil Pulp	18	0.52	335	0.008	3	0.94	0.005	0.15	<0.1	0.16	1.9	0.2	0.07	3	1.9	<0.2
1182454	Soil Pulp	16	0.52	299	0.006	1	0.93	0.015	0.13	<0.1	0.12	2.7	0.1	<0.05	3	1.3	<0.2
1182455	Soil Pulp	19	0.42	379	0.008	2	0.87	0.004	0.11	0.1	0.17	2.8	0.1	0.06	3	2.0	<0.2
1182456	Soil Pulp	16	0.48	390	0.006	2	0.82	0.004	0.12	<0.1	0.18	2.5	0.1	<0.05	2	1.7	<0.2
1183048	Soil Pulp	17	0.14	134	0.002	<1	0.83	0.004	0.05	<0.1	0.05	0.3	<0.1	0.09	4	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	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
1183049	Soil Pulp	2.5	14.6	7.6	35	0.1	9.5	3.2	43	1.38	5.6	0.8	0.3	5	0.1	0.6	0.1	33	0.02	0.086
1183050	Soil Pulp	1.9	32.2	11.3	62	0.3	17.7	7.9	310	2.50	6.0	1.9	1.3	47	0.1	0.8	0.2	33	0.56	0.152
1183051	Soil Pulp	2.4	39.9	11.5	68	0.5	20.9	7.8	233	2.42	8.9	3.8	0.9	98	0.2	1.2	0.2	20	1.76	0.136
1183052	Soil Pulp	4.3	49.3	16.7	72	0.5	32.4	13.7	349	3.34	11.6	4.3	1.8	45	0.4	1.5	0.2	22	0.84	0.157
1183053	Soil Pulp	2.9	44.0	13.8	92	0.2	23.9	11.1	407	2.99	9.5	2.5	1.3	51	0.7	1.0	0.1	23	0.94	0.110
1183054	Soil Pulp	2.1	40.5	20.1	47	0.4	14.7	6.6	172	1.70	5.2	0.9	0.7	46	1.1	0.7	0.2	24	0.53	0.105
1183055	Soil Pulp	1.9	27.2	17.6	72	<0.1	21.5	14.2	795	3.60	8.0	<0.5	4.3	23	0.1	0.6	0.3	37	0.25	0.048
1183056	Soil Pulp	1.7	15.1	11.8	68	0.2	14.4	10.2	540	3.56	9.2	2.0	2.3	17	0.2	0.7	0.2	74	0.20	0.054
1183057	Soil Pulp	6.7	55.4	24.5	192	0.5	39.9	11.5	838	3.83	13.0	1.3	3.1	11	1.1	2.4	0.3	32	0.16	0.113
1183058	Soil Pulp	1.4	28.9	8.2	65	0.3	17.1	6.5	203	2.12	5.0	6.8	1.1	39	0.2	0.7	0.2	31	0.63	0.156
1183059	Soil Pulp	2.0	46.6	10.8	95	0.5	25.6	9.9	361	2.74	6.7	13.3	2.0	50	0.5	1.2	0.2	33	0.79	0.155
1183060	Soil Pulp	2.3	39.4	9.5	101	0.3	24.7	7.2	277	2.48	14.8	4.2	1.3	33	0.4	1.8	0.2	39	0.48	0.174
1183061	Soil Pulp	2.9	50.2	11.4	137	0.5	28.8	9.1	291	2.91	12.8	5.5	2.0	34	0.8	1.9	0.2	36	0.53	0.156
1183062	Soil Pulp	4.5	46.9	11.6	153	0.7	32.9	9.9	353	2.68	20.1	4.4	1.8	38	0.8	3.4	0.2	49	0.43	0.178
1183064	Soil Pulp	4.0	24.6	7.8	96	0.9	20.0	4.2	133	1.72	13.0	2.4	0.3	25	0.4	2.2	0.2	55	0.20	0.149
1183065	Soil Pulp	6.0	39.6	10.7	128	2.6	27.2	4.4	91	1.98	16.8	4.4	0.2	26	0.6	3.6	0.2	67	0.06	0.159
1183066	Soil Pulp	5.6	16.3	14.2	80	0.5	16.7	2.6	99	1.31	15.6	0.6	0.3	11	0.2	2.6	0.2	80	0.02	0.049
1183067	Soil Pulp	11.6	68.8	13.6	279	2.9	67.4	10.1	347	3.61	27.3	8.6	2.1	33	0.8	6.8	0.2	84	0.05	0.188
1183068	Soil Pulp	9.1	123.6	6.0	314	3.8	277.2	32.9	462	6.46	38.9	4.6	1.1	53	1.5	5.0	<0.1	77	0.78	0.202
1183069	Soil Pulp	23.0	110.1	9.1	539	3.7	220.8	28.5	600	4.97	28.3	9.4	1.1	52	6.6	15.4	0.1	172	0.43	0.195
1183070	Soil Pulp	6.3	27.1	16.4	85	3.2	16.8	2.2	50	1.77	17.3	4.2	0.2	58	0.3	3.0	0.3	54	0.03	0.120
1183071	Soil Pulp	10.8	38.5	14.2	217	1.2	42.3	6.0	81	2.96	21.5	3.1	2.1	53	0.4	5.0	0.2	99	0.01	0.089
1183072	Soil Pulp	2.9	51.6	4.2	173	0.5	77.0	32.2	572	9.65	9.5	3.9	1.0	180	0.6	3.9	<0.1	50	0.13	0.177
1183073	Soil Pulp	4.5	17.9	14.4	72	1.7	13.8	2.7	69	1.75	12.3	7.2	0.2	19	0.3	2.1	0.3	67	0.04	0.073
1183074	Soil Pulp	12.2	44.0	10.5	240	1.8	38.1	2.5	27	1.52	17.8	5.4	0.8	25	0.4	5.2	0.2	56	0.02	0.056
1183075	Soil Pulp	8.7	37.1	3.0	149	<0.1	21.3	4.2	59	1.42	11.5	1.1	1.1	3	0.2	2.3	0.1	61	0.02	0.034
1183076	Soil Pulp	19.3	56.7	43.4	58	4.7	8.2	1.7	94	6.23	54.4	8.4	4.1	294	0.1	9.8	0.4	95	0.05	0.212
1183077	Soil Pulp	9.1	10.0	33.8	33	1.0	4.0	0.8	32	1.63	12.2	2.1	3.1	46	<0.1	3.5	0.3	31	0.03	0.055
1183078	Soil Pulp	8.9	41.9	29.8	129	1.0	15.1	3.0	91	4.02	30.7	2.7	3.2	92	0.2	5.4	0.3	70	0.06	0.168
1183079	Soil Pulp	6.3	17.8	20.2	88	0.6	13.4	2.7	36	2.07	13.7	0.9	0.8	28	0.1	2.9	0.2	56	<0.01	0.066



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183049	Soil Pulp	14	0.10	96	0.003	1	0.77	0.003	0.07	<0.1	0.05	0.3	0.1	0.05	4	<0.5	<0.2
1183050	Soil Pulp	19	0.45	403	0.004	2	1.21	0.005	0.10	<0.1	0.14	2.1	0.1	0.09	4	<0.5	<0.2
1183051	Soil Pulp	12	0.50	198	0.003	2	0.88	0.004	0.06	<0.1	0.21	1.5	0.1	0.18	2	1.9	<0.2
1183052	Soil Pulp	15	0.58	161	0.004	2	1.00	0.003	0.08	<0.1	0.14	2.5	0.1	0.09	2	0.9	<0.2
1183053	Soil Pulp	13	0.47	129	0.003	2	1.01	0.003	0.06	<0.1	0.13	2.0	<0.1	0.13	3	0.7	<0.2
1183054	Soil Pulp	13	0.19	217	0.005	1	0.79	0.004	0.07	<0.1	0.10	1.0	<0.1	0.11	3	<0.5	<0.2
1183055	Soil Pulp	24	0.53	180	0.005	1	1.70	0.003	0.13	<0.1	0.03	1.9	<0.1	<0.05	5	0.6	<0.2
1183056	Soil Pulp	25	0.36	169	0.009	<1	1.81	0.004	0.06	0.2	0.04	2.5	0.1	<0.05	7	<0.5	<0.2
1183057	Soil Pulp	21	0.99	76	0.002	1	1.61	0.002	0.05	<0.1	0.09	1.5	0.1	0.06	4	1.1	<0.2
1183058	Soil Pulp	18	0.44	355	0.004	1	1.34	0.004	0.09	<0.1	0.12	1.9	0.1	0.09	4	<0.5	<0.2
1183059	Soil Pulp	20	0.57	314	0.006	2	1.41	0.004	0.10	<0.1	0.16	3.1	0.1	0.09	4	0.9	<0.2
1183060	Soil Pulp	19	0.54	434	0.007	2	1.35	0.006	0.11	0.1	0.12	2.2	0.1	0.06	4	0.6	<0.2
1183061	Soil Pulp	19	0.58	361	0.009	2	1.26	0.005	0.11	0.1	0.18	3.0	0.1	<0.05	4	1.1	<0.2
1183062	Soil Pulp	21	0.52	330	0.010	2	1.07	0.005	0.12	0.2	0.16	2.2	0.2	<0.05	3	1.0	<0.2
1183064	Soil Pulp	18	0.24	684	0.003	1	0.92	0.003	0.09	0.1	0.16	0.5	0.2	<0.05	4	0.9	<0.2
1183065	Soil Pulp	21	0.15	389	0.003	1	0.82	0.003	0.08	0.1	0.48	0.6	0.2	0.08	3	1.9	<0.2
1183066	Soil Pulp	14	0.06	88	0.008	1	0.57	0.002	0.05	0.2	0.04	0.6	0.2	<0.05	5	1.5	<0.2
1183067	Soil Pulp	23	0.14	223	0.004	2	0.84	0.005	0.10	<0.1	0.22	1.6	0.3	0.06	2	4.0	<0.2
1183068	Soil Pulp	98	0.17	1610	0.002	3	1.13	0.002	0.09	<0.1	0.54	11.6	0.3	0.08	3	8.6	<0.2
1183069	Soil Pulp	44	0.13	649	0.003	2	0.54	0.002	0.11	0.2	0.73	4.6	0.5	0.11	2	9.8	<0.2
1183070	Soil Pulp	16	0.07	234	0.003	2	0.56	0.006	0.11	<0.1	0.17	0.3	0.3	0.24	3	4.2	<0.2
1183071	Soil Pulp	16	0.05	268	0.003	1	0.67	0.003	0.10	<0.1	0.09	1.5	0.2	0.14	3	3.3	<0.2
1183072	Soil Pulp	29	0.07	823	0.002	3	0.73	0.002	0.17	<0.1	0.10	9.7	0.2	0.36	2	1.6	<0.2
1183073	Soil Pulp	18	0.14	133	0.008	<1	0.96	0.005	0.05	0.1	0.13	0.5	0.3	0.06	4	2.3	<0.2
1183074	Soil Pulp	11	0.03	110	0.002	2	0.40	0.001	0.05	<0.1	0.21	0.6	0.4	<0.05	2	6.9	<0.2
1183075	Soil Pulp	8	0.03	57	0.003	3	0.33	0.001	0.05	0.1	0.03	0.9	0.2	<0.05	4	1.2	<0.2
1183076	Soil Pulp	24	0.05	567	0.004	1	0.72	0.007	0.33	<0.1	0.34	1.2	0.9	0.48	5	11.1	0.5
1183077	Soil Pulp	6	0.02	412	0.005	1	0.22	0.003	0.20	<0.1	0.07	0.5	0.6	0.33	1	2.6	<0.2
1183078	Soil Pulp	17	0.05	492	0.004	<1	0.68	0.003	0.17	<0.1	0.06	1.1	0.4	0.17	3	3.0	<0.2
1183079	Soil Pulp	8	0.03	272	0.003	1	0.50	0.002	0.08	<0.1	0.03	0.6	0.3	0.09	2	0.9	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	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
1183080	Soil Pulp	3.5	8.1	5.2	32	0.4	5.8	1.3	30	0.74	2.7	1.4	1.2	17	<0.1	1.1	<0.1	45	0.02	0.022
1183081	Soil Pulp	5.1	25.8	15.9	77	1.3	13.5	2.9	57	3.16	15.9	2.8	2.6	30	0.2	2.9	0.3	60	0.01	0.102
1183082	Soil Pulp	8.1	14.4	20.4	92	1.7	8.3	1.7	135	1.23	7.5	1.9	0.3	39	0.9	2.0	0.2	39	0.06	0.071
1183083	Soil Pulp	5.7	51.8	19.9	149	0.7	19.9	4.0	113	3.32	80.7	2.7	2.3	51	0.5	4.8	0.3	52	0.02	0.080
1183084	Soil Pulp	4.5	19.6	11.5	58	0.8	10.6	1.9	56	1.64	11.8	3.5	0.9	22	0.2	2.9	0.2	36	0.02	0.054
1183085	Soil Pulp	2.6	22.7	10.2	73	0.2	9.8	3.2	81	2.37	7.5	1.5	3.0	15	0.3	1.2	0.2	44	0.03	0.036
1183086	Soil Pulp	2.7	7.7	10.9	25	6.8	3.8	0.9	26	1.11	8.3	11.0	3.1	7	<0.1	2.1	0.2	26	<0.01	0.041
1183087	Soil Pulp	11.6	22.9	23.8	79	2.5	16.5	2.3	68	2.66	26.0	1.7	0.3	41	0.2	4.3	0.3	118	0.01	0.140
1183088	Soil Pulp	4.2	51.2	13.2	54	1.4	8.8	2.4	59	1.88	20.3	2.2	0.4	19	0.2	1.8	0.2	44	<0.01	0.065
1183089	Soil Pulp	6.4	72.8	20.2	220	2.2	83.1	5.1	213	2.55	32.3	22.9	1.2	250	3.2	5.1	0.3	45	0.45	0.118
1183090	Soil Pulp	3.4	89.4	17.6	102	0.8	30.2	7.0	198	2.98	15.3	5.8	0.9	28	0.4	1.7	0.3	28	0.02	0.078
1183091	Soil Pulp	3.2	31.4	13.6	69	0.3	17.4	4.0	74	2.48	15.0	1.9	0.8	19	0.2	1.7	0.2	34	0.02	0.081
1183092	Soil Pulp	2.8	28.6	11.7	63	0.5	12.2	3.1	84	2.48	24.8	3.0	0.3	15	0.1	2.5	0.3	44	0.03	0.055
1183093	Soil Pulp	2.6	83.5	14.4	144	9.7	38.6	7.0	127	5.01	31.6	5.7	2.5	41	0.1	2.7	0.2	41	0.03	0.080
1183094	Soil Pulp	1.9	97.3	15.0	119	1.4	35.5	10.6	226	4.23	18.0	3.9	2.1	6	0.2	1.7	0.4	26	<0.01	0.068
1183095	Soil Pulp	2.7	26.5	17.0	61	0.2	15.6	4.1	130	2.96	13.7	2.2	2.0	12	<0.1	1.3	0.3	35	0.02	0.081
1183096	Soil Pulp	2.2	53.4	17.8	73	0.7	19.9	4.4	127	3.31	25.0	23.3	1.7	11	<0.1	2.8	0.3	30	0.02	0.049
1183097	Soil Pulp	2.8	29.6	19.3	69	0.9	15.3	4.5	201	3.51	17.8	4.6	1.5	13	0.1	1.6	0.3	48	0.02	0.072
1183098	Soil Pulp	2.5	35.1	16.9	66	0.2	15.9	3.9	141	3.36	18.7	5.4	1.7	15	<0.1	1.9	0.4	34	0.02	0.087
1183099	Soil Pulp	2.2	34.1	15.5	76	0.6	20.8	4.3	103	3.45	19.9	3.8	2.4	14	<0.1	2.0	0.2	24	<0.01	0.060
1183100	Soil Pulp	1.9	28.7	9.2	53	0.5	12.0	2.9	65	1.63	21.8	2.7	0.4	6	0.1	2.3	0.2	35	0.01	0.038



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183080	Soil Pulp	8	0.02	350	0.004	2	0.31	0.002	0.05	<0.1	0.02	0.5	0.2	<0.05	3	<0.5	<0.2
1183081	Soil Pulp	19	0.09	375	0.005	2	0.90	0.003	0.08	0.1	0.11	1.2	0.3	0.10	4	1.5	<0.2
1183082	Soil Pulp	8	0.03	552	0.002	2	0.35	0.003	0.12	<0.1	0.06	0.3	0.3	0.16	2	1.0	<0.2
1183083	Soil Pulp	12	0.03	594	0.003	2	0.60	0.004	0.09	<0.1	0.03	1.2	0.4	0.08	2	1.7	<0.2
1183084	Soil Pulp	8	0.05	481	0.004	2	0.43	0.002	0.10	0.1	0.08	0.7	0.2	0.13	2	1.8	<0.2
1183085	Soil Pulp	14	0.09	608	0.007	1	0.71	0.002	0.06	0.1	0.01	1.0	0.1	<0.05	4	<0.5	<0.2
1183086	Soil Pulp	10	0.04	257	0.003	<1	0.62	0.003	0.03	<0.1	0.10	0.5	0.1	<0.05	2	1.3	<0.2
1183087	Soil Pulp	15	0.05	1358	0.008	2	0.68	0.003	0.08	0.2	0.36	0.5	0.6	0.13	4	3.4	<0.2
1183088	Soil Pulp	8	0.02	509	0.005	1	0.52	0.003	0.04	0.1	0.06	0.6	0.1	<0.05	3	1.7	<0.2
1183089	Soil Pulp	23	0.20	1862	0.006	3	1.00	0.004	0.12	0.1	0.93	2.2	0.3	0.15	3	11.3	<0.2
1183090	Soil Pulp	20	0.28	943	0.003	1	0.94	0.003	0.03	<0.1	0.07	1.2	<0.1	<0.05	3	1.1	<0.2
1183091	Soil Pulp	13	0.14	402	0.003	1	0.68	0.003	0.03	<0.1	0.06	0.9	<0.1	<0.05	3	0.7	<0.2
1183092	Soil Pulp	10	0.06	278	0.011	3	0.52	0.002	0.03	0.1	0.02	0.7	<0.1	<0.05	3	0.7	<0.2
1183093	Soil Pulp	20	0.16	254	0.007	1	1.55	0.005	0.05	0.2	0.14	2.3	<0.1	<0.05	3	2.4	<0.2
1183094	Soil Pulp	16	0.13	273	0.005	<1	1.09	0.002	0.03	<0.1	0.04	1.9	<0.1	<0.05	3	0.7	0.3
1183095	Soil Pulp	15	0.18	253	0.005	<1	0.88	0.003	0.04	<0.1	0.03	1.1	0.1	<0.05	4	0.7	<0.2
1183096	Soil Pulp	16	0.19	454	0.004	2	0.86	0.003	0.06	<0.1	0.10	1.4	0.2	<0.05	3	1.6	<0.2
1183097	Soil Pulp	19	0.16	327	0.010	<1	0.96	0.003	0.05	0.2	0.05	1.3	0.1	<0.05	5	0.7	<0.2
1183098	Soil Pulp	14	0.15	679	0.004	<1	0.86	0.003	0.04	<0.1	0.03	1.2	<0.1	<0.05	4	0.7	<0.2
1183099	Soil Pulp	18	0.33	229	0.003	1	0.98	0.003	0.04	<0.1	0.05	1.6	<0.1	<0.05	3	1.4	<0.2
1183100	Soil Pulp	6	0.02	98	0.006	<1	0.30	0.002	0.02	<0.1	<0.01	0.6	<0.1	<0.05	3	1.1	<0.2



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1180474	Soil Pulp	4.3	41.2	10.9	203	0.6	72.7	13.5	692	2.90	14.4	0.8	2.3	75	1.2	3.5	0.1	13	0.89	0.180	18
REP 1180474	QC	4.5	43.5	11.0	214	0.7	75.5	14.2	728	3.05	14.7	2.2	2.5	79	1.6	3.8	0.1	13	0.92	0.185	18
1180978	Soil Pulp	2.8	40.8	11.8	95	0.3	29.9	11.4	334	2.70	13.6	1.2	3.0	41	0.5	1.8	0.1	23	0.63	0.146	15
REP 1180978	QC	2.7	40.8	11.8	94	0.3	29.2	11.0	330	2.65	13.3	2.9	2.8	39	0.5	1.9	0.1	22	0.64	0.150	15
1181071	Soil Pulp	1.4	20.3	10.4	41	0.6	9.1	2.2	22	1.11	8.0	8.3	0.5	17	<0.1	1.1	0.1	36	<0.01	0.035	20
REP 1181071	QC	1.4	20.2	10.1	38	0.5	8.0	1.8	22	1.09	7.3	8.5	0.5	16	<0.1	1.3	0.2	34	<0.01	0.036	17
1181080	Soil Pulp	8.3	18.1	14.7	58	3.0	9.9	1.8	51	3.92	21.2	11.0	3.0	23	0.3	5.0	0.2	63	0.02	0.124	12
REP 1181080	QC	8.1	17.4	13.9	60	2.8	10.1	1.6	53	3.91	21.5	13.7	2.7	22	0.2	5.0	0.2	62	0.03	0.111	11
1181104	Soil Pulp	2.4	16.7	13.3	63	0.3	11.7	3.5	155	3.20	12.4	2.1	2.6	12	<0.1	1.0	0.3	48	0.03	0.043	9
REP 1181104	QC	2.4	17.2	13.0	65	0.4	13.2	3.9	164	3.39	13.3	1.0	2.4	12	0.1	1.0	0.3	51	0.03	0.045	9
1181120	Soil Pulp	2.6	49.4	13.0	87	0.5	19.8	5.2	174	2.75	12.5	2.4	0.5	20	0.2	1.5	0.3	34	0.04	0.054	9
REP 1181120	QC	2.6	52.7	13.7	92	0.5	22.3	5.6	181	2.97	14.0	4.3	0.6	21	0.2	1.5	0.3	35	0.04	0.057	9
1181808	Soil Pulp	5.4	50.4	8.8	175	0.8	44.1	9.9	269	2.70	26.4	8.4	2.9	44	0.9	3.5	0.2	50	0.29	0.118	21
REP 1181808	QC	5.3	49.7	8.7	173	0.7	41.8	9.2	262	2.57	25.0	9.0	2.8	42	1.0	3.4	0.2	48	0.28	0.116	20
1181824	Soil Pulp	6.9	7.8	13.9	45	1.3	6.7	1.6	57	1.98	17.5	2.6	1.9	10	0.3	4.1	0.3	99	0.02	0.039	13
REP 1181824	QC	6.6	7.4	13.6	42	1.1	6.3	1.5	53	1.88	16.5	1.6	1.6	10	0.2	4.0	0.3	91	0.02	0.037	12
1181843	Soil Pulp	6.6	14.2	14.0	56	1.3	9.4	2.8	135	2.73	22.5	3.0	2.6	29	0.3	2.9	0.3	127	0.05	0.160	11
REP 1181843	QC	7.0	17.2	14.1	59	1.4	10.5	2.9	130	2.69	22.7	4.1	2.6	34	0.5	3.3	0.3	120	0.05	0.155	11
1182451	Soil Pulp	16.0	129.9	13.8	465	6.2	136.3	18.4	325	4.01	55.8	7.2	2.1	178	5.3	11.9	0.2	197	0.80	0.266	11
REP 1182451	QC	15.5	132.8	12.9	438	6.2	138.9	18.5	320	3.91	54.5	7.8	2.0	178	5.2	11.9	0.2	200	0.80	0.250	11
1183067	Soil Pulp	11.6	68.8	13.6	279	2.9	67.4	10.1	347	3.61	27.3	8.6	2.1	33	0.8	6.8	0.2	84	0.05	0.188	24
REP 1183067	QC	12.0	69.1	13.6	282	2.9	66.5	9.9	351	3.61	27.4	9.0	2.2	33	0.8	6.6	0.2	76	0.05	0.179	22
1183075	Soil Pulp	8.7	37.1	3.0	149	<0.1	21.3	4.2	59	1.42	11.5	1.1	1.1	3	0.2	2.3	0.1	61	0.02	0.034	23
REP 1183075	QC	8.7	37.3	2.9	147	<0.1	21.5	4.1	57	1.38	11.6	3.7	1.1	4	0.2	2.4	0.1	59	0.01	0.033	22
1183087	Soil Pulp	11.6	22.9	23.8	79	2.5	16.5	2.3	68	2.66	26.0	1.7	0.3	41	0.2	4.3	0.3	118	0.01	0.140	11
REP 1183087	QC	11.9	22.9	23.3	77	2.6	16.2	2.3	70	2.68	26.1	2.4	0.2	42	0.1	4.5	0.3	117	0.01	0.129	11
Reference Materials																					
STD DS8	Standard	13.5	109.3	130.5	317	1.9	37.6	7.2	610	2.50	24.5	118.3	6.7	62	2.3	5.8	6.6	41	0.68	0.078	15



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1180474	Soil Pulp	6	0.11	257	0.001	<1	0.35	0.002	0.04	<0.1	0.35	1.9	<0.1	<0.05	<1	1.7	<0.2
REP 1180474	QC	6	0.11	263	0.001	<1	0.36	0.002	0.04	<0.1	0.35	1.9	<0.1	<0.05	<1	1.7	<0.2
1180978	Soil Pulp	16	0.54	187	0.010	<1	0.80	0.004	0.07	<0.1	0.14	2.3	<0.1	<0.05	2	0.8	<0.2
REP 1180978	QC	15	0.53	184	0.009	<1	0.75	0.004	0.07	<0.1	0.13	2.2	<0.1	<0.05	2	0.5	<0.2
1181071	Soil Pulp	7	0.01	221	0.002	<1	0.40	0.003	0.02	<0.1	<0.01	0.4	<0.1	0.07	3	0.8	<0.2
REP 1181071	QC	6	0.01	195	0.002	1	0.37	0.003	0.02	<0.1	<0.01	0.3	<0.1	0.07	3	0.6	<0.2
1181080	Soil Pulp	21	0.12	701	0.010	<1	1.13	0.004	0.06	0.2	0.25	1.3	0.4	0.09	5	3.2	<0.2
REP 1181080	QC	20	0.11	672	0.011	2	1.04	0.004	0.06	0.2	0.24	1.2	0.3	0.10	4	2.7	<0.2
1181104	Soil Pulp	18	0.19	262	0.008	<1	1.09	0.004	0.05	0.2	0.02	1.2	0.1	<0.05	6	<0.5	<0.2
REP 1181104	QC	19	0.18	266	0.008	<1	1.07	0.004	0.05	0.2	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
1181120	Soil Pulp	18	0.21	520	0.005	1	0.87	0.004	0.04	<0.1	0.04	0.8	<0.1	<0.05	3	0.5	<0.2
REP 1181120	QC	19	0.23	544	0.006	2	0.91	0.004	0.05	<0.1	0.05	0.9	<0.1	<0.05	3	0.7	<0.2
1181808	Soil Pulp	19	0.23	500	0.006	2	0.74	0.002	0.08	<0.1	0.19	2.6	0.1	<0.05	3	2.8	<0.2
REP 1181808	QC	19	0.23	484	0.006	2	0.72	0.002	0.08	<0.1	0.18	2.5	0.1	<0.05	2	2.4	<0.2
1181824	Soil Pulp	13	0.05	248	0.022	<1	0.72	0.002	0.04	0.2	0.07	0.9	0.4	<0.05	5	1.5	<0.2
REP 1181824	QC	11	0.04	231	0.020	<1	0.65	0.002	0.04	0.2	0.06	0.8	0.3	<0.05	5	1.0	<0.2
1181843	Soil Pulp	21	0.15	557	0.016	<1	1.31	0.003	0.05	0.3	0.29	1.5	0.2	<0.05	6	1.8	<0.2
REP 1181843	QC	21	0.15	707	0.012	<1	1.31	0.003	0.05	0.2	0.37	1.3	0.3	<0.05	6	1.8	<0.2
1182451	Soil Pulp	53	0.27	644	0.002	1	0.78	0.003	0.11	<0.1	0.74	5.8	0.5	0.25	3	9.7	0.3
REP 1182451	QC	53	0.26	635	0.002	1	0.73	0.003	0.11	<0.1	0.74	5.9	0.5	0.25	3	8.2	0.3
1183067	Soil Pulp	23	0.14	223	0.004	2	0.84	0.005	0.10	<0.1	0.22	1.6	0.3	0.06	2	4.0	<0.2
REP 1183067	QC	22	0.13	200	0.003	1	0.76	0.004	0.08	0.1	0.21	1.6	0.3	0.06	2	4.0	<0.2
1183075	Soil Pulp	8	0.03	57	0.003	3	0.33	0.001	0.05	0.1	0.03	0.9	0.2	<0.05	4	1.2	<0.2
REP 1183075	QC	8	0.03	54	0.003	3	0.32	0.001	0.05	0.2	0.03	0.8	0.2	<0.05	4	1.2	<0.2
1183087	Soil Pulp	15	0.05	1358	0.008	2	0.68	0.003	0.08	0.2	0.36	0.5	0.6	0.13	4	3.4	<0.2
REP 1183087	QC	15	0.05	1331	0.008	2	0.68	0.003	0.08	0.2	0.37	0.4	0.6	0.12	4	3.4	<0.2
Reference Materials																	
STD DS8	Standard	120	0.61	277	0.107	2	0.91	0.086	0.41	3.1	0.21	2.0	5.7	0.17	5	4.7	5.1



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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD DS8	Standard	11.2	99.8	122.3	291	1.7	34.7	6.8	561	2.38	24.2	112.4	5.8	57	2.2	4.6	6.3	38	0.62	0.077	12
STD DS8	Standard	13.0	114.4	130.1	340	1.9	40.5	7.8	637	2.64	27.1	135.9	6.6	65	2.5	5.3	6.6	44	0.70	0.083	14
STD DS8	Standard	13.1	105.2	122.8	316	1.7	36.2	7.4	602	2.76	25.0	111.8	7.1	62	2.4	5.1	5.8	42	0.68	0.073	15
STD DS8	Standard	10.9	104.1	116.1	298	1.6	34.3	7.0	562	2.29	23.2	105.8	5.6	58	2.4	4.7	5.9	37	0.61	0.077	11
STD DS8	Standard	12.4	98.4	116.6	289	1.7	35.9	7.1	576	2.31	23.9	104.2	6.6	60	2.2	5.1	6.1	40	0.64	0.077	15
STD DS8	Standard	12.9	117.0	120.0	311	1.7	37.8	7.6	603	2.35	24.7	116.7	6.6	63	2.4	5.4	6.9	41	0.66	0.087	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
STD DS8	Standard	107	0.58	240	0.094	2	0.84	0.077	0.38	2.6	0.19	1.9	5.3	0.16	4	5.2
STD DS8	Standard	117	0.64	281	0.113	4	0.92	0.086	0.43	3.2	0.21	2.1	6.1	0.17	5	5.1
STD DS8	Standard	117	0.59	272	0.115	3	0.90	0.086	0.42	3.0	0.20	2.0	5.4	0.15	5	6.1
STD DS8	Standard	105	0.56	237	0.095	1	0.81	0.073	0.38	2.6	0.20	1.9	5.1	0.14	4	5.4
STD DS8	Standard	108	0.58	264	0.106	3	0.87	0.078	0.38	2.8	0.21	2.1	5.2	0.13	5	5.4
STD DS8	Standard	112	0.61	263	0.113	3	0.86	0.082	0.39	2.7	0.19	2.1	4.9	0.16	5	5.4
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23
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
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
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
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
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
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
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



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Submitted By: Confirmation Email List
Receiving Lab: Canada-Vancouver
Received: August 04, 2011
Report Date: September 03, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS

VAN11003705.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number: AZ-03
Number of Samples: 189

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	189	Sorting of samples on arrival and labeling			VAN
1DX2	189	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

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Vancouver BC V6C 2V6
Canada

CC: Report Email List



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



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Project: CCJV
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CERTIFICATE OF ANALYSIS

VAN11003705.1

Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	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
1183110	Soil Pulp	7.8	39.1	10.0	109	1.2	16.1	4.4	51	1.22	7.5	4.7	0.6	28	0.4	2.4	0.3	64	0.02	0.055	8
1183111	Soil Pulp	7.5	4.9	15.5	11	3.1	3.0	0.5	13	0.97	4.1	3.7	1.0	11	<0.1	2.3	0.4	39	0.02	0.032	11
1183112	Soil Pulp	6.9	104.8	8.3	309	2.2	168.9	19.7	227	5.41	16.2	6.2	2.1	42	1.1	5.1	0.2	93	0.07	0.178	10
1183113	Soil Pulp	7.2	7.3	20.0	15	8.0	4.2	0.5	12	1.54	2.7	2.5	0.5	22	0.1	1.3	0.3	64	<0.01	0.102	17
1183114	Soil Pulp	15.9	7.9	30.8	14	12.1	2.7	0.2	14	2.89	54.0	29.5	3.9	71	<0.1	18.1	0.5	84	0.05	0.939	12
1183115	Soil Pulp	16.0	106.2	17.3	859	5.5	157.0	19.5	557	3.72	42.3	9.4	1.2	151	10.4	17.9	0.3	207	0.89	0.182	10
1183116	Soil Pulp	30.4	74.4	15.5	560	1.1	142.0	12.4	329	2.45	28.6	2.2	1.9	128	4.2	11.6	0.3	73	2.13	0.110	19
1183117	Soil Pulp	16.6	69.9	31.8	333	1.1	80.7	14.7	511	3.17	35.7	17.5	2.5	112	1.2	8.2	0.5	43	1.22	0.131	20
1183118	Soil Pulp	40.3	86.2	11.3	709	1.7	134.7	8.6	184	2.43	44.0	7.9	4.0	103	4.5	23.8	0.2	87	0.96	0.112	30
1183119	Soil Pulp	4.3	124.2	24.1	136	0.8	39.4	25.6	469	2.74	18.1	12.1	3.9	140	0.7	4.3	0.4	15	5.69	0.297	20
1183120	Soil Pulp	5.9	105.8	30.9	123	0.7	45.4	25.5	571	4.54	26.4	8.3	3.4	113	0.5	5.5	0.3	27	2.57	0.220	23
1183121	Soil Pulp	3.6	79.2	17.1	80	0.5	32.9	16.4	497	2.93	13.9	8.2	1.0	108	0.2	1.7	0.2	26	2.30	0.150	17
1183122	Soil Pulp	1.6	29.6	15.9	71	0.3	17.6	11.0	658	2.55	8.2	4.4	1.5	71	0.2	1.3	0.2	21	1.43	0.173	19
1183123	Soil Pulp	4.2	68.6	10.6	185	1.6	45.8	7.2	437	2.40	29.7	18.9	1.3	80	1.2	5.2	0.3	52	1.06	0.183	17
1183124	Soil Pulp	3.3	41.5	12.2	165	0.6	35.3	10.6	398	2.74	17.9	6.2	3.3	48	0.5	3.0	0.2	56	0.54	0.141	23
1183125	Soil Pulp	4.0	48.9	15.0	156	2.1	34.6	11.9	1042	2.74	20.0	8.4	1.6	74	0.8	3.7	0.3	56	1.06	0.146	16
1183126	Soil Pulp	5.7	60.8	15.2	218	0.3	50.2	10.8	392	2.81	24.0	5.2	5.9	48	1.1	4.5	0.2	42	0.35	0.172	30
1183127	Soil Pulp	5.3	54.9	15.9	224	0.8	53.2	12.4	682	2.90	19.7	8.2	1.1	38	0.9	3.5	0.4	62	0.19	0.134	21
1183128	Soil Pulp	5.3	30.3	15.1	125	0.4	26.0	5.1	183	2.21	15.4	3.8	0.5	26	0.2	3.1	0.3	52	0.06	0.100	23
1183129	Soil Pulp	2.3	31.0	20.4	107	2.1	26.3	7.3	264	3.11	19.1	43.0	1.1	41	0.4	2.0	0.3	59	0.03	0.092	18
1183130	Soil Pulp	2.5	17.3	16.4	61	0.6	14.2	3.9	133	2.77	18.3	8.1	1.5	26	0.2	1.7	0.4	64	0.04	0.053	17
1183131	Soil Pulp	3.8	70.9	27.3	93	0.3	24.4	6.6	268	4.44	24.3	5.7	3.5	51	0.1	2.4	0.4	61	0.04	0.082	17
1183132	Soil Pulp	2.7	36.5	13.9	48	0.9	10.5	3.0	116	2.65	11.8	3.8	1.9	9	0.2	1.7	0.3	51	0.02	0.035	15
1183133	Soil Pulp	2.4	77.7	29.1	193	2.0	57.8	12.6	1977	12.76	19.2	8.4	5.7	20	0.2	2.6	0.3	48	0.02	0.083	23
1183134	Soil Pulp	2.0	65.4	16.1	84	0.7	18.1	7.5	803	2.95	9.4	1.5	1.0	12	0.2	1.0	0.4	53	0.04	0.053	10
1183135	Soil Pulp	2.5	55.3	13.8	91	0.8	22.2	5.2	128	3.12	19.2	4.5	1.5	28	<0.1	2.7	0.3	34	0.02	0.049	10
1183136	Soil Pulp	2.0	59.3	17.9	80	0.2	25.1	13.5	1056	3.03	6.5	3.0	1.1	20	0.3	0.8	0.5	36	0.06	0.054	10
1183137	Soil Pulp	1.3	60.6	9.8	74	0.2	25.5	7.2	404	2.93	2.8	1.9	0.8	15	<0.1	0.6	0.4	24	0.02	0.078	2
1183138	Soil Pulp	6.8	209.5	28.6	79	<0.1	27.2	8.3	659	3.45	17.7	2.1	2.6	21	0.2	1.4	0.3	40	0.07	0.060	9
1183139	Soil Pulp	17.9	153.6	33.4	126	0.1	27.9	10.9	405	4.86	41.8	5.2	2.6	17	<0.1	5.8	0.6	25	<0.01	0.050	4



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CERTIFICATE OF ANALYSIS

VAN11003705.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183110	Soil Pulp	11	0.02	224	0.002	1	0.52	0.002	0.04	<0.1	0.20	0.8	0.2	<0.05	2	2.3	<0.2
1183111	Soil Pulp	9	0.02	185	0.003	2	0.35	0.003	0.11	0.2	0.07	0.5	0.1	0.17	2	10.0	0.7
1183112	Soil Pulp	91	0.64	604	0.002	3	1.50	0.003	0.08	<0.1	0.25	5.2	0.1	<0.05	4	4.6	<0.2
1183113	Soil Pulp	18	0.02	347	0.003	<1	0.32	0.003	0.15	0.3	0.06	0.4	0.3	0.29	4	4.6	<0.2
1183114	Soil Pulp	39	0.02	435	0.008	2	0.38	0.004	0.22	0.8	0.45	4.7	0.6	0.28	5	16.4	0.6
1183115	Soil Pulp	57	0.29	792	0.002	1	0.91	0.004	0.07	<0.1	2.48	4.5	0.3	0.08	3	13.2	0.3
1183116	Soil Pulp	19	0.83	304	0.002	4	0.42	0.003	0.07	<0.1	0.80	3.3	0.3	<0.05	<1	3.1	<0.2
1183117	Soil Pulp	13	0.32	389	0.002	1	0.56	0.003	0.09	<0.1	0.46	3.2	0.2	0.08	1	2.1	<0.2
1183118	Soil Pulp	15	0.28	423	0.004	3	0.68	0.004	0.10	0.1	0.68	3.4	0.4	<0.05	2	5.1	<0.2
1183119	Soil Pulp	5	0.60	177	0.002	4	0.40	0.004	0.14	<0.1	0.22	2.7	<0.1	0.11	<1	1.4	<0.2
1183120	Soil Pulp	12	0.73	261	0.003	2	1.00	0.004	0.14	<0.1	0.24	4.2	<0.1	0.08	2	1.3	<0.2
1183121	Soil Pulp	13	0.64	265	0.003	3	0.97	0.005	0.11	<0.1	0.21	2.2	0.1	0.12	2	1.2	<0.2
1183122	Soil Pulp	11	0.39	192	0.002	<1	0.79	0.003	0.07	<0.1	0.09	2.9	<0.1	<0.05	2	<0.5	<0.2
1183123	Soil Pulp	20	0.34	807	0.005	3	1.07	0.004	0.15	<0.1	0.29	3.0	0.2	0.09	3	2.4	<0.2
1183124	Soil Pulp	27	0.47	729	0.007	2	1.31	0.004	0.15	<0.1	0.21	2.7	0.2	<0.05	4	1.2	<0.2
1183125	Soil Pulp	22	0.26	521	0.005	2	1.08	0.004	0.10	<0.1	0.29	3.7	0.2	<0.05	3	1.9	<0.2
1183126	Soil Pulp	20	0.36	379	0.016	<1	0.84	0.006	0.10	<0.1	0.09	2.5	0.1	<0.05	2	1.4	<0.2
1183127	Soil Pulp	24	0.43	753	0.005	2	1.43	0.006	0.17	0.1	0.23	1.7	0.3	<0.05	4	1.4	<0.2
1183128	Soil Pulp	16	0.13	281	0.003	1	0.80	0.006	0.11	<0.1	0.07	0.4	0.2	<0.05	4	1.3	<0.2
1183129	Soil Pulp	20	0.16	298	0.006	1	1.29	0.005	0.07	0.1	0.10	1.2	0.2	<0.05	5	0.9	<0.2
1183130	Soil Pulp	16	0.08	301	0.015	<1	0.91	0.002	0.05	0.2	0.08	1.0	0.1	<0.05	5	0.5	<0.2
1183131	Soil Pulp	25	0.28	342	0.013	<1	1.29	0.003	0.08	0.1	0.05	2.0	0.2	<0.05	6	1.4	<0.2
1183132	Soil Pulp	15	0.09	547	0.014	<1	0.84	0.002	0.05	0.1	0.05	1.0	0.1	<0.05	4	1.1	<0.2
1183133	Soil Pulp	35	0.62	747	0.004	2	2.22	0.004	0.06	<0.1	0.13	4.9	0.1	<0.05	5	6.9	<0.2
1183134	Soil Pulp	26	0.21	1105	0.012	<1	1.64	0.003	0.05	0.2	0.11	1.7	0.1	<0.05	5	0.7	<0.2
1183135	Soil Pulp	17	0.16	1012	0.007	1	0.78	0.003	0.05	<0.1	0.08	1.3	0.1	<0.05	3	1.4	<0.2
1183136	Soil Pulp	23	0.27	1037	0.009	1	1.19	0.004	0.07	0.1	0.05	1.4	<0.1	<0.05	4	0.6	<0.2
1183137	Soil Pulp	27	0.30	499	0.003	<1	1.10	0.004	0.04	<0.1	0.06	1.2	<0.1	0.06	4	<0.5	<0.2
1183138	Soil Pulp	29	0.32	162	0.014	<1	1.35	0.006	0.05	0.1	0.03	1.8	<0.1	<0.05	4	1.4	<0.2
1183139	Soil Pulp	25	0.04	248	0.001	<1	0.71	0.005	0.04	<0.1	0.07	2.5	0.2	<0.05	3	2.5	0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
1183140	Soil Pulp	1.0	133.6	21.5	116	0.2	49.3	22.6	1157	3.42	1.7	4.4	2.4	29	0.2	0.4	0.6	20	0.03	0.083	5
1183141	Soil Pulp	1.6	62.2	17.2	55	0.2	13.3	4.4	160	2.42	3.6	4.3	0.2	10	0.1	0.8	0.4	33	0.02	0.085	7
1183142	Soil Pulp	4.1	280.1	37.6	79	0.6	38.1	39.9	2581	6.11	13.5	55.2	1.2	36	0.1	1.6	1.0	22	0.02	0.154	8
1183143	Soil Pulp	5.8	208.9	24.9	91	0.6	30.0	9.6	377	4.16	21.9	29.6	2.5	59	<0.1	2.1	0.4	19	0.02	0.100	9
1183144	Soil Pulp	2.5	32.8	16.5	71	0.2	19.6	5.3	172	3.36	13.7	2.2	3.4	19	<0.1	2.0	0.3	60	0.05	0.037	14
1183145	Soil Pulp	1.9	34.9	14.0	38	0.6	9.3	1.9	32	1.68	8.2	6.1	0.1	13	<0.1	2.1	0.3	24	0.03	0.061	4
1183146	Soil Pulp	1.8	82.0	15.7	136	2.9	25.9	4.7	109	4.64	8.6	20.4	1.3	88	0.4	1.9	0.3	14	0.16	0.168	5
1183147	Soil Pulp	0.8	78.8	12.8	33	0.2	1.6	0.4	14	3.54	4.7	20.1	3.3	11	<0.1	1.1	0.2	4	<0.01	0.074	14
1183148	Soil Pulp	7.4	111.6	10.6	1432	3.0	142.7	18.6	1990	3.84	19.7	3.3	2.3	323	14.9	18.2	0.2	139	3.00	0.165	18
1183149	Soil Pulp	3.3	31.8	11.4	73	0.3	11.0	2.5	69	2.97	27.5	6.8	2.0	24	0.1	3.9	0.2	36	0.02	0.062	10
1183150	Soil Pulp	2.8	31.4	16.8	60	1.1	10.0	2.5	85	2.68	24.4	4.6	1.2	12	<0.1	2.1	0.4	47	0.01	0.080	7
1183171	Soil Pulp	8.2	63.9	29.3	166	0.2	41.1	25.4	509	5.92	33.1	2.6	2.8	21	0.2	7.0	0.3	35	0.17	0.085	17
1183172	Soil Pulp	2.7	39.8	15.0	84	0.2	25.9	11.4	518	3.42	10.7	1.9	5.0	15	0.3	1.3	0.2	38	0.09	0.058	22
1183173	Soil Pulp	3.2	48.5	18.3	88	0.3	28.2	15.9	622	3.25	10.1	4.4	2.6	43	0.4	1.5	0.2	32	0.49	0.089	17
1183174	Soil Pulp	2.8	48.4	20.5	71	0.4	27.3	15.0	688	2.76	14.1	2.9	2.0	70	0.3	1.4	0.2	26	1.39	0.096	15
1183175	Soil Pulp	3.1	46.6	15.4	113	0.3	33.3	13.4	376	3.33	12.1	6.5	5.8	41	0.3	1.9	0.3	32	0.51	0.103	22
1183176	Soil Pulp	2.2	36.9	14.0	57	0.4	25.2	11.2	362	2.65	9.7	4.2	1.5	62	0.2	1.4	0.1	21	1.32	0.122	18
1183177	Soil Pulp	1.9	44.7	10.9	58	0.4	25.1	8.0	411	2.32	8.0	7.2	1.0	83	0.3	1.1	0.2	18	1.90	0.129	14
1183178	Soil Pulp	2.0	28.0	10.7	81	<0.1	23.2	11.1	487	2.54	16.4	2.1	3.1	27	0.5	1.5	0.1	35	0.34	0.120	18
1183179	Soil Pulp	1.3	27.5	9.8	67	0.3	17.9	8.4	396	1.94	7.8	3.9	1.9	66	0.3	1.0	0.1	28	1.27	0.123	15
1183180	Soil Pulp	1.1	26.1	10.2	70	0.4	20.0	8.8	417	2.02	9.6	3.9	1.1	87	0.6	1.4	0.2	23	1.59	0.103	12
1183181	Soil Pulp	3.0	36.3	13.4	101	0.3	22.0	11.8	321	2.74	38.5	3.8	1.8	55	0.5	3.9	0.2	30	0.94	0.110	15
1183183	Soil Pulp	2.6	34.9	10.7	117	0.5	25.0	9.0	628	2.68	29.2	6.9	2.3	51	0.7	2.2	0.2	37	0.78	0.151	18
1183184	Soil Pulp	2.1	33.6	8.9	88	0.4	22.1	8.7	452	2.37	22.1	5.4	1.6	61	0.4	2.0	0.2	34	1.14	0.144	14
1183185	Soil Pulp	1.3	21.0	10.3	66	0.3	14.3	8.3	479	2.01	18.1	3.5	0.9	65	0.4	1.2	0.1	28	1.29	0.105	11
1183186	Soil Pulp	1.5	28.9	10.1	83	0.4	22.0	8.7	329	2.15	21.8	5.0	1.3	67	0.3	1.6	0.1	33	1.22	0.116	15
1183187	Soil Pulp	1.9	44.4	11.3	93	0.3	25.6	10.8	496	2.33	23.8	8.1	1.9	70	0.5	1.9	0.1	33	1.12	0.131	17
1183188	Soil Pulp	1.8	38.7	9.6	80	0.5	24.1	8.9	328	2.16	37.2	10.8	1.2	77	0.5	2.3	0.1	31	1.52	0.092	14
1183189	Soil Pulp	2.5	32.8	11.1	89	0.2	28.5	12.5	445	3.25	31.7	4.5	3.1	16	0.5	1.7	0.2	45	0.20	0.093	18
1183190	Soil Pulp	4.8	55.6	14.1	96	0.3	33.5	15.5	349	3.59	14.3	3.3	1.9	27	0.7	1.7	0.2	34	0.37	0.139	21



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183140	Soil Pulp	25	0.54	1512	0.003	<1	1.37	0.003	0.04	<0.1	0.06	1.7	<0.1	0.07	4	0.8	<0.2
1183141	Soil Pulp	19	0.11	654	0.004	1	0.96	0.004	0.04	<0.1	0.07	0.4	<0.1	0.09	4	0.5	<0.2
1183142	Soil Pulp	19	0.31	1009	0.005	2	1.24	0.008	0.05	<0.1	0.13	2.1	<0.1	0.15	3	1.8	0.6
1183143	Soil Pulp	16	0.23	1006	0.004	<1	1.02	0.013	0.05	<0.1	0.08	3.0	0.3	0.14	2	1.5	0.3
1183144	Soil Pulp	24	0.25	158	0.022	<1	1.26	0.004	0.05	0.1	0.04	1.7	0.1	<0.05	6	2.3	<0.2
1183145	Soil Pulp	13	0.03	212	0.004	1	0.39	0.003	0.04	<0.1	0.07	0.4	<0.1	0.08	2	1.2	<0.2
1183146	Soil Pulp	8	0.05	1002	0.003	2	0.63	0.013	0.04	0.1	0.39	2.1	<0.1	0.11	1	11.5	<0.2
1183147	Soil Pulp	4	<0.01	930	0.003	<1	0.22	0.002	0.02	<0.1	0.12	0.5	<0.1	0.10	1	<0.5	<0.2
1183148	Soil Pulp	25	1.70	5768	0.016	2	2.85	0.007	0.03	0.2	0.60	14.0	0.4	0.06	4	4.6	<0.2
1183149	Soil Pulp	12	0.10	160	0.014	1	0.61	0.003	0.03	<0.1	0.05	1.2	<0.1	<0.05	3	2.1	<0.2
1183150	Soil Pulp	9	0.04	115	0.017	1	0.42	0.002	0.03	0.2	0.04	1.0	<0.1	<0.05	4	0.8	<0.2
1183171	Soil Pulp	13	0.12	148	0.002	2	0.85	0.004	0.09	<0.1	0.18	2.6	0.1	<0.05	2	1.6	<0.2
1183172	Soil Pulp	19	0.48	206	0.003	1	1.64	0.005	0.09	<0.1	0.05	2.4	0.1	<0.05	4	<0.5	<0.2
1183173	Soil Pulp	15	0.39	288	0.004	2	1.10	0.006	0.10	<0.1	0.14	2.5	<0.1	<0.05	3	0.7	<0.2
1183174	Soil Pulp	16	0.49	266	0.005	3	1.07	0.006	0.09	<0.1	0.17	2.4	0.1	0.07	3	0.8	<0.2
1183175	Soil Pulp	18	0.57	218	0.007	2	1.22	0.006	0.09	<0.1	0.13	2.8	<0.1	<0.05	4	<0.5	<0.2
1183176	Soil Pulp	13	0.40	406	0.005	3	0.85	0.004	0.10	<0.1	0.23	2.6	0.1	0.05	2	0.8	<0.2
1183177	Soil Pulp	13	0.44	291	0.004	4	0.78	0.004	0.09	<0.1	0.19	1.9	<0.1	0.12	2	1.3	<0.2
1183178	Soil Pulp	18	0.46	299	0.014	2	1.07	0.007	0.10	0.1	0.05	2.1	<0.1	<0.05	3	0.5	<0.2
1183179	Soil Pulp	14	0.55	234	0.011	3	0.96	0.005	0.12	<0.1	0.14	2.4	0.1	0.06	3	0.7	<0.2
1183180	Soil Pulp	14	0.45	353	0.006	3	0.86	0.005	0.08	<0.1	0.16	1.9	0.1	0.08	2	1.2	<0.2
1183181	Soil Pulp	15	0.38	330	0.005	2	1.00	0.005	0.11	<0.1	0.13	2.6	0.1	0.06	3	0.7	<0.2
1183183	Soil Pulp	19	0.48	375	0.010	3	1.14	0.006	0.12	<0.1	0.19	2.9	0.1	<0.05	3	1.1	<0.2
1183184	Soil Pulp	17	0.44	409	0.009	3	1.00	0.005	0.10	<0.1	0.14	2.6	<0.1	0.06	3	0.7	<0.2
1183185	Soil Pulp	14	0.41	278	0.006	3	0.88	0.004	0.08	<0.1	0.13	1.8	<0.1	0.09	3	1.1	<0.2
1183186	Soil Pulp	15	0.46	321	0.009	3	1.01	0.006	0.11	<0.1	0.13	2.2	<0.1	0.08	3	0.6	<0.2
1183187	Soil Pulp	16	0.48	267	0.009	2	0.99	0.007	0.10	<0.1	0.15	2.5	0.1	0.09	3	1.0	<0.2
1183188	Soil Pulp	16	0.44	299	0.008	4	0.99	0.007	0.10	<0.1	0.18	2.6	<0.1	0.09	3	1.2	<0.2
1183189	Soil Pulp	22	0.42	281	0.008	2	1.42	0.005	0.14	<0.1	0.05	2.4	0.1	<0.05	4	<0.5	<0.2
1183190	Soil Pulp	21	0.64	251	0.007	3	1.25	0.004	0.18	<0.1	0.11	2.8	0.2	<0.05	3	0.8	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1183192	Soil Pulp	2.4	47.9	13.0	81	0.4	22.3	9.8	482	2.73	16.7	4.5	0.9	59	0.5	2.0	0.2	35	0.78	0.126
1183193	Soil Pulp	2.5	50.5	14.9	30	<0.1	8.6	2.9	76	2.11	7.2	1.8	0.8	6	0.1	0.8	0.4	56	0.03	0.032
1183194	Soil Pulp	1.7	25.1	14.2	68	<0.1	17.7	6.5	271	3.34	11.0	1.2	2.3	9	0.2	1.0	0.3	55	0.06	0.035
1183195	Soil Pulp	3.1	21.4	30.3	95	<0.1	23.4	13.8	710	3.45	10.0	1.5	2.3	17	0.2	1.1	0.2	32	0.17	0.096
1183196	Soil Pulp	9.4	26.0	14.3	84	0.1	21.5	7.4	787	3.91	14.9	1.6	2.3	7	0.4	0.9	0.3	26	0.03	0.054
1183197	Soil Pulp	2.4	121.8	22.8	106	0.2	30.5	16.4	1092	3.32	8.4	5.2	1.4	10	0.1	1.6	0.4	28	0.02	0.062
1183198	Soil Pulp	1.7	89.2	22.3	101	0.2	31.2	20.4	1970	3.04	12.5	7.8	0.8	17	0.3	2.5	0.4	35	0.05	0.083
1183199	Soil Pulp	2.0	36.2	12.2	59	<0.1	14.7	5.5	370	2.74	9.8	2.1	0.3	8	0.1	1.4	0.3	48	0.03	0.063
1183200	Soil Pulp	1.8	83.2	19.1	109	0.2	31.8	12.6	713	2.90	33.3	4.1	0.5	22	0.2	3.3	0.4	28	0.03	0.103
1183225	Soil Pulp	2.5	40.2	16.0	81	0.1	28.4	15.0	434	3.46	11.2	2.7	3.5	14	0.4	1.2	0.2	41	0.16	0.084
1183226	Soil Pulp	2.3	32.6	15.2	68	0.2	22.2	13.5	444	3.68	11.2	2.4	3.3	14	0.3	1.2	0.2	47	0.13	0.110
1183227	Soil Pulp	1.7	17.0	11.2	49	0.1	14.3	6.3	398	2.61	9.8	1.2	0.5	9	0.2	0.9	0.2	49	0.09	0.096
1183228	Soil Pulp	2.2	16.1	12.5	56	<0.1	16.4	7.2	297	2.73	10.7	3.0	3.2	6	0.1	0.8	0.2	49	0.05	0.050
1183229	Soil Pulp	2.5	16.2	14.7	67	0.5	13.6	10.5	799	3.72	24.6	5.0	0.4	7	0.3	1.2	0.2	53	0.06	0.109
1183230	Soil Pulp	2.2	18.4	11.2	71	0.1	20.8	6.7	245	2.68	21.7	4.5	0.4	10	0.4	1.3	0.2	44	0.10	0.085
1183231	Soil Pulp	3.2	44.7	12.9	102	0.4	33.1	12.7	558	2.81	18.5	5.1	2.2	26	0.7	2.5	0.2	35	0.35	0.174
1183232	Soil Pulp	2.0	12.6	11.3	46	0.5	11.8	3.7	114	2.11	11.9	3.1	0.3	7	0.6	0.7	0.2	49	0.07	0.057
1183233	Soil Pulp	2.6	20.0	11.3	73	0.3	22.4	7.3	326	2.80	25.1	4.6	0.3	11	0.5	1.5	0.2	47	0.11	0.084
1183234	Soil Pulp	7.7	95.7	18.8	197	2.0	69.5	14.3	453	4.20	508.3	49.8	1.0	41	0.4	7.9	0.3	57	0.12	0.135
1183235	Soil Pulp	4.4	33.4	12.2	170	0.2	34.2	9.7	628	2.92	30.8	1.9	0.4	14	0.5	2.6	0.2	49	0.10	0.069
1183236	Soil Pulp	4.8	105.3	12.7	291	1.6	146.1	33.6	883	5.80	26.5	5.6	3.1	29	2.2	5.0	0.2	69	0.20	0.142
1183237	Soil Pulp	4.7	23.9	13.5	122	0.8	31.1	12.1	635	3.24	14.2	6.1	0.9	16	0.5	2.1	0.2	60	0.17	0.106
1183238	Soil Pulp	1.1	3.9	2.9	9	2.0	2.9	0.5	8	0.17	0.9	1.7	0.3	3	<0.1	1.0	0.1	13	0.03	0.031
1183239	Soil Pulp	3.2	13.9	8.9	55	0.8	11.2	2.1	80	1.07	6.5	1.5	0.1	9	0.3	0.9	0.2	42	0.06	0.078
1183240	Soil Pulp	23.9	53.1	11.7	491	1.1	108.1	9.0	569	3.27	36.4	3.3	1.0	45	3.9	7.8	0.2	314	0.88	0.168
1183241	Soil Pulp	4.5	22.6	9.8	108	0.5	25.7	3.7	114	2.08	14.8	3.2	0.6	10	0.7	2.5	0.2	56	0.05	0.066
1183242	Soil Pulp	12.7	46.9	10.5	329	3.2	67.6	7.5	182	2.29	29.9	7.6	1.1	49	1.2	6.8	0.2	110	0.65	0.151
1183243	Soil Pulp	10.7	35.1	10.2	109	2.0	20.6	3.0	52	1.67	13.6	5.6	1.6	36	0.5	4.4	0.1	49	0.04	0.070
1183244	Soil Pulp	5.5	40.8	14.1	109	2.1	30.6	11.9	250	3.10	15.0	5.6	4.0	33	0.6	2.1	0.2	64	0.09	0.099
1183245	Soil Pulp	6.7	30.2	12.0	118	1.7	25.8	6.5	195	2.77	15.1	4.2	1.8	27	0.4	1.9	0.2	70	0.04	0.097



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183192	Soil Pulp	17	0.42	305	0.006	3	1.12	0.007	0.16	<0.1	0.09	1.7	0.1	0.07	3	0.7	<0.2
1183193	Soil Pulp	18	0.06	284	0.017	<1	0.81	0.004	0.02	0.1	0.03	1.1	<0.1	<0.05	6	<0.5	<0.2
1183194	Soil Pulp	28	0.31	112	0.025	<1	1.37	0.005	0.05	0.2	0.04	1.7	0.1	<0.05	6	<0.5	<0.2
1183195	Soil Pulp	13	0.30	375	0.004	1	1.44	0.005	0.09	<0.1	0.05	2.5	0.1	0.05	4	<0.5	<0.2
1183196	Soil Pulp	19	0.21	150	0.004	<1	0.85	0.004	0.04	<0.1	0.08	1.6	0.2	<0.05	3	1.1	<0.2
1183197	Soil Pulp	34	0.39	275	0.005	1	1.17	0.005	0.04	<0.1	0.06	2.0	<0.1	<0.05	4	<0.5	<0.2
1183198	Soil Pulp	23	0.29	915	0.012	2	1.22	0.006	0.06	<0.1	0.08	1.3	0.1	0.08	4	0.6	<0.2
1183199	Soil Pulp	20	0.16	148	0.014	3	0.88	0.003	0.04	0.1	0.07	0.7	0.1	0.06	5	0.7	<0.2
1183200	Soil Pulp	19	0.18	223	0.006	2	1.01	0.004	0.05	<0.1	0.06	0.9	0.1	0.08	3	0.5	<0.2
1183225	Soil Pulp	22	0.66	249	0.004	3	1.82	0.004	0.16	<0.1	0.04	2.3	0.1	<0.05	4	<0.5	<0.2
1183226	Soil Pulp	22	0.52	339	0.005	1	1.80	0.004	0.13	<0.1	0.05	2.6	0.1	<0.05	5	<0.5	<0.2
1183227	Soil Pulp	22	0.33	211	0.008	2	1.40	0.003	0.07	<0.1	0.05	0.8	0.1	<0.05	5	<0.5	<0.2
1183228	Soil Pulp	22	0.35	125	0.012	1	1.60	0.003	0.05	0.2	0.02	1.8	0.2	<0.05	5	<0.5	<0.2
1183229	Soil Pulp	23	0.20	146	0.009	1	1.30	0.003	0.05	0.2	0.07	0.9	0.1	<0.05	5	0.6	<0.2
1183230	Soil Pulp	21	0.30	191	0.007	2	1.36	0.003	0.05	0.1	0.03	0.6	0.1	<0.05	4	0.7	<0.2
1183231	Soil Pulp	19	0.48	482	0.011	2	1.02	0.004	0.08	<0.1	0.16	1.8	0.1	<0.05	3	0.9	<0.2
1183232	Soil Pulp	18	0.18	218	0.009	<1	1.04	0.003	0.04	0.2	0.06	0.6	0.1	<0.05	5	0.7	<0.2
1183233	Soil Pulp	18	0.19	242	0.008	<1	0.96	0.003	0.05	0.2	0.06	0.8	0.1	<0.05	4	0.8	<0.2
1183234	Soil Pulp	23	0.25	2944	0.004	2	1.44	0.003	0.12	0.2	0.87	3.2	0.2	0.10	4	2.9	<0.2
1183235	Soil Pulp	19	0.24	297	0.007	1	0.92	0.003	0.07	0.2	0.07	0.9	0.1	<0.05	3	1.1	<0.2
1183236	Soil Pulp	42	0.36	572	0.003	1	1.04	0.005	0.09	<0.1	0.90	10.9	0.2	<0.05	3	3.1	<0.2
1183237	Soil Pulp	26	0.41	392	0.008	1	1.42	0.003	0.08	0.1	0.46	1.2	0.2	<0.05	4	1.6	<0.2
1183238	Soil Pulp	5	0.01	69	0.003	1	0.16	0.002	0.03	<0.1	0.05	0.4	<0.1	<0.05	1	<0.5	<0.2
1183239	Soil Pulp	18	0.05	121	0.004	1	0.52	0.003	0.04	0.1	0.10	0.2	0.2	<0.05	5	1.2	<0.2
1183240	Soil Pulp	40	0.23	943	0.003	2	1.24	0.003	0.11	0.1	0.68	2.1	0.7	<0.05	4	6.6	<0.2
1183241	Soil Pulp	15	0.09	232	0.006	1	0.62	0.002	0.07	0.1	0.05	0.8	0.2	<0.05	3	1.9	<0.2
1183242	Soil Pulp	24	0.20	1197	0.003	2	0.82	0.003	0.08	0.1	0.98	1.4	0.3	<0.05	2	4.4	<0.2
1183243	Soil Pulp	11	0.06	319	0.004	1	0.33	0.001	0.07	<0.1	0.29	1.0	0.3	0.11	1	9.2	<0.2
1183244	Soil Pulp	27	0.25	254	0.008	1	1.44	0.004	0.08	0.2	0.30	2.7	0.2	<0.05	4	3.6	<0.2
1183245	Soil Pulp	21	0.15	208	0.006	<1	1.25	0.002	0.06	0.2	0.19	1.6	0.3	<0.05	4	2.7	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1183246	Soil Pulp	14.7	4.6	11.7	8	10.0	2.0	0.2	4	0.91	<0.5	6.2	0.2	15	<0.1	4.7	0.2	37	<0.01	0.053
1183247	Soil Pulp	26.2	48.1	20.4	206	0.9	27.0	4.0	45	2.86	39.7	2.5	2.9	75	0.3	4.7	0.3	77	0.01	0.069
1183248	Soil Pulp	14.7	37.5	17.8	209	0.5	38.1	5.3	63	2.12	16.5	1.2	0.2	35	0.3	3.9	0.2	103	0.02	0.069
1183249	Soil Pulp	4.9	20.8	15.0	111	0.4	21.6	6.3	288	3.07	14.7	2.7	1.1	14	0.4	1.5	0.2	68	0.04	0.081
1183250	Soil Pulp	5.8	32.4	14.5	160	1.1	27.1	4.4	50	1.78	10.0	0.9	0.2	17	0.2	1.7	0.2	66	0.01	0.055
1183351	Soil Pulp	2.9	21.5	16.7	57	0.3	11.3	3.1	143	3.11	30.3	4.2	0.6	20	<0.1	1.6	0.3	53	0.03	0.092
1183352	Soil Pulp	3.2	26.5	12.1	61	0.9	10.2	2.7	59	2.30	17.4	1.5	0.2	12	0.1	1.8	0.2	67	0.02	0.049
1183353	Soil Pulp	3.4	42.4	16.5	81	1.2	16.7	4.1	105	3.74	25.5	5.7	1.3	23	0.1	1.7	0.3	45	0.02	0.061
1183354	Soil Pulp	2.5	57.8	18.1	79	1.6	18.7	4.1	144	3.90	18.6	10.7	1.6	17	<0.1	1.7	0.2	22	0.02	0.052
1183355	Soil Pulp	2.7	45.8	15.8	81	1.1	20.3	5.9	250	3.74	22.4	5.9	2.0	15	0.1	1.8	0.3	39	0.03	0.050
1183356	Soil Pulp	4.3	61.3	18.8	95	0.3	27.9	9.1	421	3.87	19.7	7.6	1.1	12	0.2	1.8	0.3	28	0.02	0.074
1183357	Soil Pulp	2.1	19.3	9.0	34	0.4	5.9	1.4	27	1.20	8.5	1.5	<0.1	7	<0.1	1.0	0.2	33	0.01	0.038
1183358	Soil Pulp	3.8	14.1	11.1	55	0.4	11.1	2.9	118	2.76	18.1	2.3	1.2	13	0.1	2.2	0.2	54	0.03	0.074
1183359	Soil Pulp	4.3	20.6	16.0	58	1.7	14.2	3.1	132	3.53	23.3	1.9	2.4	13	0.1	2.0	0.3	75	0.03	0.083
1183360	Soil Pulp	2.8	24.5	17.7	48	0.4	18.5	2.7	89	3.02	25.3	2.9	2.2	11	0.1	1.9	0.4	56	0.02	0.042
1183361	Soil Pulp	2.4	16.6	3.6	25	0.6	9.7	1.1	40	1.04	11.3	3.4	0.1	7	<0.1	1.0	0.1	37	0.02	0.026
1183362	Soil Pulp	5.3	16.5	17.0	59	0.2	9.3	2.5	100	2.50	22.4	2.1	0.4	24	0.1	2.8	0.3	80	0.02	0.055
1183363	Soil Pulp	6.3	32.5	10.9	99	1.2	20.7	4.2	98	2.32	19.3	6.8	1.7	47	0.5	4.5	0.1	49	0.07	0.080
1183364	Soil Pulp	5.6	52.9	9.6	125	1.1	22.8	5.3	105	2.36	24.7	9.8	2.8	54	0.6	5.8	0.2	47	0.06	0.080
1183365	Soil Pulp	6.7	44.8	13.2	93	1.9	17.7	2.9	63	1.93	17.6	11.9	1.4	72	0.4	5.3	0.2	48	0.05	0.097
1183366	Soil Pulp	8.3	45.4	15.2	109	0.8	10.9	2.0	77	4.71	51.7	17.3	0.7	87	0.3	4.4	0.2	61	0.03	0.348
1183367	Soil Pulp	6.0	61.5	12.1	110	1.0	20.2	4.4	114	3.12	24.6	9.4	3.3	43	0.3	4.3	0.2	68	0.04	0.090
1183368	Soil Pulp	3.5	9.7	11.1	35	1.3	3.5	0.6	12	0.39	4.2	1.2	<0.1	80	0.3	1.7	0.2	56	0.03	0.049
1183369	Soil Pulp	18.1	26.0	19.7	57	5.6	8.5	1.5	41	2.19	39.4	1.4	0.1	150	0.4	6.7	0.3	121	0.03	0.165
1183370	Soil Pulp	6.7	19.9	13.9	98	4.0	14.7	2.9	65	2.55	21.4	4.4	0.7	23	2.3	5.6	0.3	127	0.05	0.249
1183371	Soil Pulp	5.0	26.0	12.8	53	0.4	9.5	2.2	56	1.98	34.7	3.1	0.5	28	<0.1	3.3	0.2	58	0.02	0.052
1183372	Soil Pulp	4.2	67.5	14.6	57	1.8	16.5	2.4	52	2.02	27.1	43.8	0.2	45	0.2	2.9	0.2	35	0.02	0.063
1183373	Soil Pulp	4.6	28.7	14.8	57	0.6	11.1	2.4	74	2.32	35.9	4.1	0.9	25	0.2	2.9	0.3	65	0.01	0.079
1183374	Soil Pulp	4.3	20.6	15.6	51	0.6	9.6	2.5	61	2.41	32.3	2.3	1.5	17	<0.1	2.6	0.3	81	0.02	0.093
1183375	Soil Pulp	7.9	19.5	18.0	62	1.5	11.3	2.4	86	3.54	42.0	6.4	1.9	39	<0.1	4.6	0.3	97	0.02	0.161



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.1	0.05	1	0.5
1183246	Soil Pulp	13	<0.01	412	0.003	1	0.16	0.001	0.11	0.3	0.60	0.2	0.7	0.23	1	42.7	<0.2
1183247	Soil Pulp	21	0.02	425	0.002	2	0.35	0.002	0.13	<0.1	2.70	1.3	1.5	0.36	5	19.1	<0.2
1183248	Soil Pulp	11	0.03	151	0.004	2	0.47	0.002	0.08	0.1	0.04	0.4	0.3	<0.05	3	3.1	<0.2
1183249	Soil Pulp	26	0.21	138	0.014	1	1.22	0.003	0.07	0.2	0.06	1.3	0.2	<0.05	5	1.7	<0.2
1183250	Soil Pulp	10	0.03	104	0.005	<1	0.49	0.002	0.05	0.1	0.03	0.3	0.2	<0.05	4	1.7	<0.2
1183351	Soil Pulp	15	0.09	178	0.016	1	0.69	0.003	0.05	0.1	0.03	0.7	0.1	<0.05	5	1.1	<0.2
1183352	Soil Pulp	16	0.12	276	0.013	1	0.66	0.003	0.07	0.1	0.03	0.6	0.1	<0.05	5	1.1	<0.2
1183353	Soil Pulp	18	0.13	307	0.011	1	0.88	0.005	0.04	<0.1	0.04	1.2	0.1	<0.05	4	1.5	<0.2
1183354	Soil Pulp	20	0.16	164	0.009	1	0.84	0.006	0.03	<0.1	0.06	1.3	<0.1	<0.05	3	2.7	<0.2
1183355	Soil Pulp	22	0.21	457	0.022	1	0.93	0.005	0.05	0.1	0.04	1.5	<0.1	<0.05	4	1.9	<0.2
1183356	Soil Pulp	27	0.30	208	0.008	<1	1.16	0.004	0.03	<0.1	0.05	1.3	0.1	<0.05	4	1.2	<0.2
1183357	Soil Pulp	9	0.02	226	0.005	1	0.47	0.002	0.03	<0.1	0.02	0.2	<0.1	<0.05	3	0.9	<0.2
1183358	Soil Pulp	16	0.13	190	0.023	<1	0.70	0.003	0.04	0.2	0.06	1.0	0.1	<0.05	4	1.4	<0.2
1183359	Soil Pulp	22	0.12	237	0.035	1	0.86	0.004	0.05	0.2	0.05	1.2	0.2	<0.05	6	1.4	<0.2
1183360	Soil Pulp	26	0.09	166	0.035	1	0.73	0.003	0.05	0.2	0.02	1.1	0.1	<0.05	6	1.0	<0.2
1183361	Soil Pulp	14	0.01	251	0.005	2	0.17	0.002	0.04	0.1	<0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
1183362	Soil Pulp	15	0.06	279	0.015	1	0.65	0.003	0.04	0.2	0.02	0.8	0.2	<0.05	6	1.7	<0.2
1183363	Soil Pulp	15	0.22	1418	0.014	2	0.84	0.004	0.05	0.1	0.23	1.4	0.2	0.06	3	2.1	<0.2
1183364	Soil Pulp	16	0.22	1669	0.013	2	0.83	0.003	0.05	0.1	0.39	1.8	0.2	<0.05	2	2.5	<0.2
1183365	Soil Pulp	16	0.17	2104	0.008	3	0.92	0.003	0.06	0.2	0.44	1.5	0.3	<0.05	3	3.7	<0.2
1183366	Soil Pulp	17	0.06	516	0.007	2	0.66	0.005	0.05	0.1	0.14	0.8	0.2	0.06	3	3.1	<0.2
1183367	Soil Pulp	21	0.23	467	0.011	2	1.14	0.004	0.06	0.1	0.26	1.6	0.2	<0.05	4	1.7	<0.2
1183368	Soil Pulp	9	0.01	491	0.003	3	0.29	0.002	0.04	<0.1	0.02	0.1	0.2	<0.05	2	1.0	<0.2
1183369	Soil Pulp	18	0.04	1026	0.005	2	0.57	0.004	0.09	0.2	0.15	0.2	0.7	0.12	5	6.5	<0.2
1183370	Soil Pulp	22	0.08	2031	0.013	2	0.82	0.003	0.05	0.2	0.20	1.0	0.3	<0.05	5	2.9	<0.2
1183371	Soil Pulp	11	0.05	357	0.010	2	0.45	0.003	0.05	0.1	0.03	0.7	0.2	<0.05	3	1.5	<0.2
1183372	Soil Pulp	12	0.07	1701	0.004	2	0.53	0.004	0.04	0.1	0.26	0.6	0.2	0.05	2	2.5	<0.2
1183373	Soil Pulp	13	0.05	255	0.008	1	0.52	0.004	0.05	0.1	0.03	1.0	0.1	<0.05	4	1.5	<0.2
1183374	Soil Pulp	13	0.05	234	0.019	2	0.60	0.003	0.05	0.2	0.03	0.9	0.2	<0.05	5	1.4	<0.2
1183375	Soil Pulp	19	0.08	409	0.012	2	0.81	0.004	0.08	0.2	0.13	1.1	0.3	<0.05	5	2.9	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1183376	Soil Pulp	4.3	40.6	12.8	59	0.9	14.3	3.1	63	2.53	48.3	3.3	1.5	18	<0.1	3.0	0.2	57	0.01	0.080
1183377	Soil Pulp	3.1	42.9	13.0	47	1.3	13.1	2.5	57	1.89	19.6	11.1	0.2	19	0.1	1.9	0.2	27	0.01	0.072
1183378	Soil Pulp	2.6	50.3	15.0	30	1.1	9.3	2.2	43	1.39	26.1	5.1	<0.1	20	0.2	1.2	0.2	26	0.02	0.093
1183379	Soil Pulp	2.9	23.3	14.6	51	0.7	12.0	3.5	117	2.86	41.1	8.2	2.1	13	<0.1	2.1	0.3	59	0.03	0.066
1183380	Soil Pulp	3.4	30.8	14.9	54	1.8	12.1	3.1	92	3.23	35.8	6.2	2.9	14	<0.1	2.7	0.3	59	0.02	0.059
1183381	Soil Pulp	2.4	16.4	13.7	61	1.6	11.6	3.4	108	3.20	18.4	1.5	3.0	8	0.1	1.4	0.3	71	0.04	0.054
1183382	Soil Pulp	5.1	33.6	15.3	65	0.5	14.0	3.1	82	3.12	44.9	6.5	2.2	21	<0.1	3.6	0.2	62	0.02	0.063
1183451	Soil Pulp	3.7	161.7	29.7	142	0.5	37.4	15.0	583	4.57	20.9	26.2	0.7	32	0.2	3.6	0.2	38	0.04	0.099
1183452	Soil Pulp	2.0	33.4	12.3	66	0.2	17.8	5.2	258	2.84	10.8	2.0	0.9	9	0.2	1.2	0.2	57	0.06	0.045
1183453	Soil Pulp	2.2	49.2	14.1	73	0.3	20.2	7.1	311	3.31	15.7	3.0	0.4	8	0.2	1.5	0.3	58	0.03	0.066
1183454	Soil Pulp	2.0	22.5	10.9	55	0.3	13.8	4.0	173	3.06	10.7	3.7	0.8	9	0.2	1.1	0.3	61	0.04	0.057
1183455	Soil Pulp	2.4	35.7	13.5	46	0.3	11.9	3.7	132	2.37	10.9	2.9	0.1	10	<0.1	0.9	0.3	58	0.05	0.090
1183456	Soil Pulp	1.6	46.0	16.5	92	0.4	26.8	6.1	182	2.85	24.2	6.6	0.5	18	<0.1	1.5	0.3	31	0.04	0.070
1183457	Soil Pulp	2.2	24.0	14.2	63	0.1	16.6	5.9	240	3.34	15.0	2.3	1.1	8	0.1	1.3	0.3	77	0.04	0.043
1183458	Soil Pulp	2.1	61.8	15.7	77	0.2	24.9	5.4	189	3.60	16.6	5.6	1.8	32	<0.1	1.4	0.3	31	0.02	0.071
1183459	Soil Pulp	1.9	64.3	35.3	121	0.4	30.8	15.7	1312	3.21	27.3	50.9	0.7	9	0.2	1.3	0.3	40	0.05	0.078
1183460	Soil Pulp	1.5	44.0	13.8	84	0.3	30.1	9.8	537	2.47	127.7	9.3	2.0	8	0.1	4.9	0.3	23	0.03	0.062
1183461	Soil Pulp	5.4	252.1	34.0	136	0.5	73.6	50.3	3788	4.61	18.7	40.6	3.1	83	0.2	3.1	0.5	38	0.18	0.137
1183462	Soil Pulp	26.7	280.6	33.6	140	0.6	50.7	41.9	3680	4.55	21.1	23.7	1.9	53	0.2	5.2	0.4	62	0.11	0.116
1183463	Soil Pulp	1.7	139.6	20.2	119	0.3	35.1	26.3	1511	4.12	10.7	5.8	0.7	20	0.1	0.9	0.3	31	0.03	0.115
1183464	Soil Pulp	1.6	28.9	14.4	39	0.5	9.7	1.2	17	1.94	11.5	4.3	0.8	15	<0.1	0.7	0.3	38	0.01	0.080
1183465	Soil Pulp	2.9	58.2	17.9	69	0.9	19.2	4.5	165	3.27	15.3	8.3	0.5	11	0.2	1.7	0.3	47	0.05	0.066
1183466	Soil Pulp	2.2	37.6	9.5	44	0.5	11.1	2.2	54	1.80	9.2	4.6	0.2	9	0.1	1.0	0.2	43	0.03	0.054
1183467	Soil Pulp	3.3	20.5	17.6	69	0.5	16.9	5.1	243	3.67	18.6	1.2	1.7	13	0.1	1.6	0.3	79	0.06	0.170
1183468	Soil Pulp	13.0	31.7	14.5	90	8.5	22.8	3.2	84	2.97	27.6	2.3	3.0	36	0.7	4.6	0.3	97	0.05	0.127
1183469	Soil Pulp	7.7	67.3	17.4	114	1.0	29.6	5.4	111	3.37	24.8	6.6	3.0	62	0.2	6.5	0.3	38	0.01	0.094
1183470	Soil Pulp	5.5	40.4	11.4	94	0.7	22.4	3.9	98	2.42	18.4	4.0	1.4	43	0.4	3.7	0.2	43	0.04	0.100
1183471	Soil Pulp	4.2	35.9	10.6	77	0.7	18.0	4.5	104	2.29	16.3	3.1	3.1	16	0.4	2.4	0.2	43	0.03	0.056
1183472	Soil Pulp	7.2	20.4	12.3	58	4.8	12.5	3.3	85	2.53	19.0	1.7	3.0	13	0.2	2.4	0.3	101	0.03	0.070
1183473	Soil Pulp	7.5	11.1	14.5	61	10.9	10.4	3.5	170	3.28	22.6	1.3	2.2	12	0.3	1.7	0.3	150	0.04	0.192



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183376	Soil Pulp	14	0.07	399	0.006	2	0.56	0.003	0.04	0.1	0.05	1.0	0.1	<0.05	4	1.5	<0.2
1183377	Soil Pulp	14	0.10	496	0.004	2	0.59	0.003	0.04	<0.1	0.17	0.4	0.1	<0.05	2	1.7	<0.2
1183378	Soil Pulp	16	0.02	941	0.001	3	0.60	0.005	0.06	<0.1	0.09	<0.1	<0.1	<0.05	2	1.2	<0.2
1183379	Soil Pulp	17	0.14	525	0.024	1	0.81	0.003	0.05	0.2	0.08	1.2	0.1	<0.05	5	1.8	<0.2
1183380	Soil Pulp	20	0.10	289	0.015	2	0.83	0.003	0.06	0.1	0.07	1.3	0.1	<0.05	4	2.5	<0.2
1183381	Soil Pulp	21	0.12	197	0.016	<1	1.24	0.002	0.04	0.2	0.03	1.4	0.1	<0.05	6	1.1	<0.2
1183382	Soil Pulp	18	0.13	1127	0.008	3	0.89	0.004	0.11	0.1	0.03	1.4	0.2	0.06	4	2.9	<0.2
1183451	Soil Pulp	23	0.24	424	0.013	2	1.16	0.009	0.05	0.1	0.11	2.0	0.2	0.09	3	2.0	<0.2
1183452	Soil Pulp	24	0.18	202	0.018	1	1.23	0.004	0.05	0.2	0.04	1.3	0.2	<0.05	5	0.8	<0.2
1183453	Soil Pulp	23	0.16	177	0.022	2	0.99	0.003	0.06	0.2	0.09	1.1	0.1	<0.05	5	0.9	<0.2
1183454	Soil Pulp	23	0.15	138	0.021	2	1.06	0.004	0.05	0.2	0.05	1.1	0.1	<0.05	6	0.7	<0.2
1183455	Soil Pulp	25	0.16	88	0.017	1	1.01	0.006	0.04	0.1	0.07	0.6	0.1	0.05	6	1.2	<0.2
1183456	Soil Pulp	19	0.17	148	0.010	2	0.80	0.004	0.04	0.1	0.09	1.1	<0.1	<0.05	3	1.2	<0.2
1183457	Soil Pulp	27	0.20	130	0.052	2	1.09	0.003	0.04	0.3	0.03	1.5	0.1	<0.05	8	0.9	<0.2
1183458	Soil Pulp	25	0.33	234	0.007	2	1.21	0.004	0.06	<0.1	0.07	1.3	0.1	<0.05	4	0.5	<0.2
1183459	Soil Pulp	25	0.29	333	0.012	2	1.23	0.004	0.07	0.1	0.07	1.3	0.3	0.05	4	0.7	<0.2
1183460	Soil Pulp	18	0.18	691	0.004	2	0.82	0.003	0.05	<0.1	0.07	1.5	<0.1	<0.05	3	<0.5	<0.2
1183461	Soil Pulp	25	0.34	7933	0.020	2	1.67	0.007	0.06	0.1	0.16	5.5	<0.1	<0.05	4	1.1	<0.2
1183462	Soil Pulp	34	0.40	5320	0.017	2	2.10	0.006	0.06	0.1	0.18	3.2	0.1	<0.05	5	1.5	<0.2
1183463	Soil Pulp	29	0.36	275	0.007	2	1.27	0.005	0.06	<0.1	0.10	1.1	0.2	0.05	4	0.9	<0.2
1183464	Soil Pulp	21	0.07	417	0.003	1	0.84	0.002	0.04	<0.1	0.06	0.7	<0.1	<0.05	3	1.4	<0.2
1183465	Soil Pulp	28	0.17	236	0.019	1	0.82	0.004	0.05	0.2	0.15	1.1	0.1	<0.05	4	2.8	<0.2
1183466	Soil Pulp	18	0.04	363	0.011	1	0.54	0.002	0.04	0.1	0.05	0.5	<0.1	<0.05	3	0.8	<0.2
1183467	Soil Pulp	25	0.23	176	0.027	2	0.96	0.004	0.05	0.2	0.03	1.4	0.2	<0.05	6	0.9	<0.2
1183468	Soil Pulp	22	0.12	1345	0.009	1	1.40	0.003	0.06	0.4	0.63	1.7	0.5	0.10	4	2.8	<0.2
1183469	Soil Pulp	18	0.22	1600	0.003	3	0.95	0.004	0.08	<0.1	0.45	2.6	0.4	0.09	2	6.2	<0.2
1183470	Soil Pulp	18	0.23	1395	0.006	1	0.87	0.003	0.05	0.1	0.16	1.3	0.2	0.05	3	2.1	<0.2
1183471	Soil Pulp	18	0.19	275	0.008	1	0.93	0.002	0.04	0.1	0.09	1.6	0.1	<0.05	3	1.8	<0.2
1183472	Soil Pulp	22	0.14	265	0.011	<1	1.32	0.003	0.04	0.3	0.26	1.6	0.2	<0.05	5	2.4	<0.2
1183473	Soil Pulp	27	0.22	324	0.020	1	1.30	0.003	0.05	0.3	0.27	1.4	0.2	<0.05	6	1.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1183474	Soil Pulp	9.4	29.8	14.8	114	5.7	25.6	2.8	53	2.94	32.7	4.5	2.9	67	0.4	4.5	0.3	101	0.05	0.350
1183475	Soil Pulp	9.4	37.5	11.1	101	1.3	22.3	3.6	84	2.38	19.3	0.8	1.4	68	0.4	5.2	0.2	51	0.09	0.090
1183476	Soil Pulp	10.0	29.3	11.5	113	1.2	22.9	3.2	67	2.66	27.1	3.1	1.1	40	0.2	5.1	0.2	58	0.07	0.097
1183477	Soil Pulp	1.8	18.3	9.7	42	1.5	14.9	1.2	18	0.94	5.8	5.1	1.2	75	0.4	2.2	0.1	13	0.11	0.037
1183478	Soil Pulp	2.3	37.8	11.8	49	1.0	22.3	2.1	26	1.47	7.5	5.3	1.3	47	0.7	2.0	0.2	22	0.05	0.054
1183479	Soil Pulp	8.2	35.9	17.9	41	1.8	19.4	1.4	24	1.55	15.0	5.9	0.7	63	0.6	5.0	0.3	39	0.06	0.079
1183480	Soil Pulp	4.7	32.0	14.3	37	0.8	10.2	2.6	104	1.97	19.3	3.0	0.7	51	0.2	3.6	0.3	61	0.08	0.054
1183481	Soil Pulp	8.0	57.5	14.7	108	0.8	22.6	3.5	79	3.04	26.6	3.9	2.1	42	0.6	7.4	0.3	54	0.02	0.085
1183482	Soil Pulp	7.0	44.5	19.6	69	0.6	12.8	2.4	59	5.86	38.9	2.1	1.4	92	0.3	4.7	0.3	68	0.04	0.178
1183483	Soil Pulp	4.3	41.5	17.2	59	1.4	15.4	4.5	146	3.35	21.9	8.6	2.9	19	0.3	2.4	0.3	68	0.04	0.052
1183484	Soil Pulp	13.7	18.4	9.9	112	5.9	10.6	2.5	69	2.25	33.7	3.8	3.1	40	1.2	8.2	0.2	92	0.06	0.312
1183485	Soil Pulp	2.7	23.1	9.9	55	0.8	10.2	2.7	111	2.98	15.1	0.6	2.5	14	0.2	1.3	0.2	62	0.05	0.034
1183486	Soil Pulp	9.2	80.0	8.5	59	1.0	8.3	1.7	42	11.78	71.9	4.9	2.6	10	<0.1	6.4	0.3	88	0.01	0.226
1183487	Soil Pulp	5.6	19.9	15.6	91	6.4	18.1	5.4	212	3.61	21.1	3.3	3.1	18	0.4	3.0	0.2	84	0.05	0.122
1183488	Soil Pulp	5.8	39.6	14.6	69	1.1	14.0	2.8	150	3.14	50.5	1.3	1.9	50	0.5	7.7	0.3	63	0.05	0.087
1183601	Soil Pulp	21.8	80.1	20.1	470	1.3	81.3	6.6	104	3.52	36.0	4.6	0.6	62	1.2	8.2	0.2	179	0.05	0.216
1183602	Soil Pulp	6.1	28.6	14.5	124	2.7	29.3	5.1	163	3.17	21.4	2.6	1.6	23	0.3	2.6	0.2	95	0.03	0.084
1183603	Soil Pulp	4.5	13.8	13.7	87	12.9	14.6	5.1	278	3.35	14.6	1.2	3.1	12	0.5	1.5	0.3	90	0.06	0.119
1183604	Soil Pulp	7.7	18.4	14.3	89	2.3	17.0	3.6	192	2.66	18.1	0.8	0.8	13	0.2	2.5	0.3	85	0.03	0.070
1183605	Soil Pulp	8.6	27.9	12.1	135	1.9	36.8	5.3	81	1.77	18.0	<0.5	0.1	15	0.4	3.3	0.2	95	0.01	0.086
1183606	Soil Pulp	9.3	57.6	13.6	208	0.3	98.8	15.8	692	3.88	23.8	1.8	0.9	15	1.6	3.6	0.2	79	0.06	0.111
1183607	Soil Pulp	8.8	67.7	14.2	193	0.2	40.9	8.8	407	2.70	16.4	4.2	1.7	42	0.6	3.4	0.2	76	0.23	0.162
1183608	Soil Pulp	18.3	33.6	12.3	232	0.4	45.0	4.3	160	1.94	21.3	2.7	0.2	14	0.7	4.9	0.2	98	0.09	0.079
1183609	Soil Pulp	5.1	27.0	11.7	108	0.2	22.5	5.8	270	2.58	22.3	0.8	0.4	17	0.3	2.2	0.2	67	0.04	0.076
1183610	Soil Pulp	4.3	43.5	12.8	141	0.1	24.6	7.9	293	3.15	20.0	1.4	0.4	10	0.4	2.2	0.2	69	0.05	0.115
1183611	Soil Pulp	3.8	18.6	10.3	81	0.1	16.5	3.6	143	1.95	12.3	<0.5	0.1	9	0.1	1.7	0.2	71	0.03	0.086
1183612	Soil Pulp	2.1	14.1	9.0	52	0.2	9.4	2.6	92	1.58	14.4	<0.5	<0.1	11	0.3	0.8	0.2	56	0.10	0.130
1183613	Soil Pulp	2.4	31.3	14.3	93	0.3	21.2	8.3	377	3.24	14.5	3.9	1.3	14	0.5	1.3	0.2	70	0.12	0.114
1183614	Soil Pulp	2.2	19.2	13.9	69	<0.1	16.4	5.9	183	2.84	12.5	0.7	0.4	10	0.2	1.1	0.2	73	0.07	0.096
1183615	Soil Pulp	5.3	35.9	11.7	153	0.7	34.6	9.1	365	2.88	18.6	2.4	1.3	30	0.8	2.8	0.2	63	0.13	0.109



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183474	Soil Pulp	22	0.15	1034	0.006	1	1.40	0.004	0.10	0.3	0.64	2.1	0.5	0.13	4	4.3	<0.2
1183475	Soil Pulp	16	0.20	2065	0.006	2	0.76	0.003	0.06	0.2	0.35	1.2	0.2	<0.05	2	4.3	<0.2
1183476	Soil Pulp	16	0.17	1630	0.008	1	0.80	0.002	0.05	0.2	0.17	0.9	0.2	<0.05	3	3.0	<0.2
1183477	Soil Pulp	12	0.12	2170	0.002	1	0.51	0.002	0.03	<0.1	0.49	0.7	0.2	0.07	2	4.3	<0.2
1183478	Soil Pulp	14	0.16	2426	0.003	2	0.75	0.002	0.04	<0.1	0.34	1.2	0.2	0.08	2	4.5	<0.2
1183479	Soil Pulp	15	0.08	2649	0.002	2	0.69	0.004	0.07	<0.1	0.56	0.8	0.3	0.08	3	4.6	<0.2
1183480	Soil Pulp	13	0.11	619	0.018	1	0.66	0.003	0.05	0.2	0.07	0.9	0.2	<0.05	5	1.3	<0.2
1183481	Soil Pulp	20	0.21	2865	0.009	2	0.84	0.003	0.07	0.1	0.11	1.4	0.3	0.06	4	5.8	<0.2
1183482	Soil Pulp	17	0.06	975	0.024	<1	0.60	0.012	0.11	0.2	0.04	0.9	0.2	0.19	6	3.9	<0.2
1183483	Soil Pulp	23	0.20	786	0.012	1	1.32	0.003	0.06	0.2	0.20	1.9	0.2	<0.05	5	2.2	<0.2
1183484	Soil Pulp	19	0.14	749	0.017	<1	1.22	0.003	0.05	0.4	4.33	1.4	0.6	<0.05	6	8.4	<0.2
1183485	Soil Pulp	18	0.15	369	0.021	<1	1.18	0.003	0.03	0.2	0.09	1.3	0.1	<0.05	6	1.1	<0.2
1183486	Soil Pulp	17	0.04	113	0.035	<1	0.78	0.001	0.02	0.2	0.04	0.8	0.2	<0.05	6	4.2	<0.2
1183487	Soil Pulp	29	0.30	273	0.022	1	1.68	0.004	0.06	0.3	0.36	1.9	0.3	<0.05	5	3.8	<0.2
1183488	Soil Pulp	17	0.12	579	0.021	<1	0.70	0.006	0.06	0.2	0.05	1.2	0.2	<0.05	4	8.2	<0.2
1183601	Soil Pulp	25	0.07	284	0.003	2	0.83	0.002	0.08	<0.1	0.14	0.9	0.5	0.06	4	7.6	<0.2
1183602	Soil Pulp	23	0.16	169	0.012	1	1.16	0.002	0.06	0.1	0.08	1.5	0.2	<0.05	6	2.9	<0.2
1183603	Soil Pulp	26	0.20	128	0.025	<1	1.22	0.003	0.07	0.2	0.14	1.7	0.2	<0.05	7	2.2	<0.2
1183604	Soil Pulp	19	0.11	107	0.017	1	0.81	0.003	0.06	0.2	0.08	1.0	0.2	<0.05	6	1.6	<0.2
1183605	Soil Pulp	16	0.05	160	0.002	<1	0.61	0.002	0.05	0.1	0.35	0.2	0.2	<0.05	4	2.7	<0.2
1183606	Soil Pulp	19	0.08	218	0.002	1	1.03	0.002	0.05	<0.1	0.25	1.3	0.2	<0.05	4	1.9	<0.2
1183607	Soil Pulp	24	0.42	694	0.005	4	1.20	0.008	0.18	<0.1	0.09	1.9	0.3	0.05	4	1.3	<0.2
1183608	Soil Pulp	18	0.14	275	0.007	1	0.91	0.003	0.08	0.1	0.16	0.5	0.5	<0.05	5	3.3	<0.2
1183609	Soil Pulp	18	0.14	372	0.010	2	0.87	0.003	0.08	0.1	0.05	0.9	0.1	<0.05	5	1.2	<0.2
1183610	Soil Pulp	23	0.40	279	0.005	1	1.35	0.002	0.13	<0.1	0.06	0.7	0.2	<0.05	5	1.2	<0.2
1183611	Soil Pulp	18	0.12	209	0.004	1	1.09	0.002	0.09	<0.1	0.04	0.1	0.3	<0.05	6	1.4	<0.2
1183612	Soil Pulp	17	0.11	152	0.003	1	0.80	0.003	0.06	<0.1	0.05	0.1	0.2	<0.05	6	0.5	<0.2
1183613	Soil Pulp	31	0.55	172	0.016	2	1.72	0.005	0.12	0.2	0.11	1.8	0.2	<0.05	6	1.4	<0.2
1183614	Soil Pulp	28	0.38	212	0.009	<1	1.95	0.003	0.06	0.2	0.04	0.8	0.2	<0.05	7	0.7	<0.2
1183615	Soil Pulp	20	0.24	302	0.009	1	1.13	0.003	0.07	0.2	0.10	1.6	0.2	<0.05	4	2.4	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	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
1183616	Soil Pulp	6.0	45.4	11.9	213	0.7	55.1	14.8	569	3.89	20.7	4.9	1.2	31	1.0	3.7	0.3	49	0.16	0.153
1183617	Soil Pulp	4.9	34.3	13.0	174	0.6	36.5	8.6	281	4.01	20.3	4.7	1.4	16	0.7	2.6	0.2	55	0.05	0.088
1183618	Soil Pulp	4.0	22.0	9.7	107	0.2	21.5	5.4	207	1.89	15.3	1.0	0.2	15	0.4	2.1	0.2	38	0.06	0.080
1183619	Soil Pulp	2.1	32.2	14.2	73	0.1	14.7	7.3	266	2.92	29.5	3.1	0.5	12	0.2	2.3	0.2	37	0.19	0.134
1183620	Soil Pulp	1.7	43.8	12.4	61	0.5	18.6	9.0	732	2.64	9.1	5.9	0.9	59	0.3	0.9	0.2	29	1.10	0.160
1183621	Soil Pulp	1.3	49.8	19.4	92	0.1	23.3	30.5	1536	5.51	7.2	1.2	2.1	43	0.3	0.7	0.2	94	0.37	0.171
1183622	Soil Pulp	3.7	44.7	16.5	98	<0.1	27.2	12.6	386	4.14	20.6	2.6	2.3	29	0.5	2.1	0.2	31	0.21	0.123
1183623	Soil Pulp	2.8	35.9	14.4	96	0.2	20.3	7.9	321	3.39	25.4	4.9	0.6	13	0.6	2.9	0.2	35	0.12	0.132
1183624	Soil Pulp	2.6	20.7	10.7	72	0.2	12.1	5.6	275	2.49	18.4	<0.5	0.3	7	0.2	1.5	0.3	50	0.03	0.064



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CERTIFICATE OF ANALYSIS

VAN11003705.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183616	Soil Pulp	26	0.22	224	0.005	1	0.95	0.003	0.06	0.1	0.12	1.4	0.2	<0.05	3	2.2	<0.2
1183617	Soil Pulp	23	0.24	263	0.006	<1	1.39	0.003	0.06	0.2	0.11	1.6	0.2	<0.05	4	1.9	<0.2
1183618	Soil Pulp	12	0.15	134	0.006	<1	0.57	0.002	0.05	0.1	0.02	0.4	0.1	<0.05	3	0.8	<0.2
1183619	Soil Pulp	15	0.35	191	0.003	<1	1.11	0.003	0.08	0.1	0.05	0.6	0.2	<0.05	4	0.8	<0.2
1183620	Soil Pulp	17	0.42	431	0.007	1	1.22	0.004	0.06	<0.1	0.21	2.1	0.1	0.07	3	1.8	<0.2
1183621	Soil Pulp	24	0.71	287	0.009	1	2.18	0.004	0.12	<0.1	0.07	6.9	0.1	<0.05	7	1.1	<0.2
1183622	Soil Pulp	17	0.48	229	0.004	<1	1.30	0.010	0.13	<0.1	0.06	2.0	0.1	0.10	3	1.0	<0.2
1183623	Soil Pulp	15	0.37	385	0.005	2	1.04	0.003	0.10	<0.1	0.03	1.0	0.1	<0.05	3	0.5	<0.2
1183624	Soil Pulp	14	0.19	137	0.006	<1	1.03	0.002	0.07	0.1	0.04	0.5	0.2	<0.05	5	1.3	<0.2



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1183125	Soil Pulp	4.0	48.9	15.0	156	2.1	34.6	11.9	1042	2.74	20.0	8.4	1.6	74	0.8	3.7	0.3	56	1.06	0.146	16
REP 1183125	QC	3.8	49.2	14.3	150	2.0	33.9	11.7	1022	2.71	19.6	6.7	1.5	73	0.7	3.5	0.2	58	1.07	0.139	16
1183131	Soil Pulp	3.8	70.9	27.3	93	0.3	24.4	6.6	268	4.44	24.3	5.7	3.5	51	0.1	2.4	0.4	61	0.04	0.082	17
REP 1183131	QC	3.7	69.3	27.5	93	0.3	23.7	6.8	265	4.40	24.0	7.4	3.4	52	0.2	2.4	0.4	61	0.04	0.081	17
1183172	Soil Pulp	2.7	39.8	15.0	84	0.2	25.9	11.4	518	3.42	10.7	1.9	5.0	15	0.3	1.3	0.2	38	0.09	0.058	22
REP 1183172	QC	3.0	41.7	15.5	86	0.2	27.2	12.0	523	3.50	11.2	2.8	5.0	17	0.3	1.4	0.2	39	0.12	0.064	24
1183225	Soil Pulp	2.5	40.2	16.0	81	0.1	28.4	15.0	434	3.46	11.2	2.7	3.5	14	0.4	1.2	0.2	41	0.16	0.084	20
REP 1183225	QC	2.4	40.5	16.3	82	0.1	28.3	15.5	450	3.41	11.3	3.7	3.4	14	0.4	1.3	0.2	43	0.17	0.087	21
1183245	Soil Pulp	6.7	30.2	12.0	118	1.7	25.8	6.5	195	2.77	15.1	4.2	1.8	27	0.4	1.9	0.2	70	0.04	0.097	14
REP 1183245	QC	6.7	30.7	12.0	116	1.7	26.2	6.6	201	2.75	15.2	4.7	1.7	27	0.4	2.1	0.2	71	0.04	0.091	14
1183356	Soil Pulp	4.3	61.3	18.8	95	0.3	27.9	9.1	421	3.87	19.7	7.6	1.1	12	0.2	1.8	0.3	28	0.02	0.074	7
REP 1183356	QC	4.3	60.1	18.3	96	0.3	28.5	9.3	388	3.78	19.6	6.0	1.1	12	0.2	1.7	0.3	27	0.02	0.073	7
1183380	Soil Pulp	3.4	30.8	14.9	54	1.8	12.1	3.1	92	3.23	35.8	6.2	2.9	14	<0.1	2.7	0.3	59	0.02	0.059	9
REP 1183380	QC	3.7	30.0	14.6	53	1.8	11.7	3.1	90	3.19	35.5	5.9	2.7	14	<0.1	2.8	0.3	58	0.02	0.061	9
1183382	Soil Pulp	5.1	33.6	15.3	65	0.5	14.0	3.1	82	3.12	44.9	6.5	2.2	21	<0.1	3.6	0.2	62	0.02	0.063	11
REP 1183382	QC	5.1	33.3	14.7	62	0.5	13.5	3.1	83	3.16	43.6	6.5	2.1	21	<0.1	3.6	0.2	61	0.02	0.059	10
1183469	Soil Pulp	7.7	67.3	17.4	114	1.0	29.6	5.4	111	3.37	24.8	6.6	3.0	62	0.2	6.5	0.3	38	0.01	0.094	7
REP 1183469	QC	7.7	67.6	17.2	114	1.0	28.9	5.3	109	3.28	24.7	5.7	2.9	59	0.2	5.8	0.3	36	<0.01	0.091	7
1183604	Soil Pulp	7.7	18.4	14.3	89	2.3	17.0	3.6	192	2.66	18.1	0.8	0.8	13	0.2	2.5	0.3	85	0.03	0.070	14
REP 1183604	QC	7.7	18.3	14.6	89	2.3	17.3	3.6	193	2.68	18.4	1.0	0.8	13	0.3	2.5	0.3	87	0.03	0.073	13
1183617	Soil Pulp	4.9	34.3	13.0	174	0.6	36.5	8.6	281	4.01	20.3	4.7	1.4	16	0.7	2.6	0.2	55	0.05	0.088	12
REP 1183617	QC	4.3	35.3	13.3	175	0.6	37.4	8.5	290	4.05	19.8	4.1	1.4	16	0.7	2.7	0.3	53	0.06	0.094	12
Reference Materials																					
STD DS8	Standard	12.1	105.1	120.0	295	1.7	35.8	7.4	571	2.36	23.8	104.8	6.8	65	2.3	5.4	6.5	40	0.66	0.078	14
STD DS8	Standard	15.2	109.3	123.6	312	1.8	37.5	7.5	616	2.52	24.4	102.4	7.8	76	2.2	6.1	6.9	43	0.69	0.077	18
STD DS8	Standard	11.8	100.2	121.2	303	1.8	34.0	7.1	561	2.33	23.9	119.1	6.2	57	2.0	5.4	5.3	39	0.62	0.078	13
STD DS8	Standard	14.2	101.9	133.3	318	1.9	40.2	8.0	630	2.53	22.5	129.9	7.1	62	2.1	4.8	5.8	44	0.73	0.081	15
STD DS8	Standard	13.3	111.9	126.7	342	1.8	39.2	7.8	660	2.59	26.1	127.9	6.5	68	2.3	5.7	6.1	43	0.74	0.078	16



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1183125	Soil Pulp	22	0.26	521	0.005	2	1.08	0.004	0.10	<0.1	0.29	3.7	0.2	<0.05	3	1.9	<0.2
REP 1183125	QC	22	0.26	506	0.006	1	1.10	0.004	0.11	<0.1	0.29	3.6	0.2	0.06	4	1.6	<0.2
1183131	Soil Pulp	25	0.28	342	0.013	<1	1.29	0.003	0.08	0.1	0.05	2.0	0.2	<0.05	6	1.4	<0.2
REP 1183131	QC	25	0.28	332	0.013	1	1.30	0.003	0.08	0.2	0.05	1.9	0.2	<0.05	6	0.9	<0.2
1183172	Soil Pulp	19	0.48	206	0.003	1	1.64	0.005	0.09	<0.1	0.05	2.4	0.1	<0.05	4	<0.5	<0.2
REP 1183172	QC	20	0.51	222	0.005	2	1.73	0.005	0.10	<0.1	0.05	2.6	0.1	<0.05	5	<0.5	<0.2
1183225	Soil Pulp	22	0.66	249	0.004	3	1.82	0.004	0.16	<0.1	0.04	2.3	0.1	<0.05	4	<0.5	<0.2
REP 1183225	QC	24	0.68	258	0.005	2	1.89	0.004	0.18	<0.1	0.04	2.3	0.1	<0.05	5	<0.5	<0.2
1183245	Soil Pulp	21	0.15	208	0.006	<1	1.25	0.002	0.06	0.2	0.19	1.6	0.3	<0.05	4	2.7	<0.2
REP 1183245	QC	21	0.15	205	0.006	1	1.18	0.002	0.06	0.1	0.18	1.6	0.3	<0.05	4	2.8	<0.2
1183356	Soil Pulp	27	0.30	208	0.008	<1	1.16	0.004	0.03	<0.1	0.05	1.3	0.1	<0.05	4	1.2	<0.2
REP 1183356	QC	26	0.30	201	0.008	<1	1.14	0.004	0.03	<0.1	0.05	1.3	0.1	<0.05	4	1.1	<0.2
1183380	Soil Pulp	20	0.10	289	0.015	2	0.83	0.003	0.06	0.1	0.07	1.3	0.1	<0.05	4	2.5	<0.2
REP 1183380	QC	19	0.10	286	0.015	2	0.86	0.003	0.06	0.1	0.08	1.4	0.2	<0.05	4	2.0	<0.2
1183382	Soil Pulp	18	0.13	1127	0.008	3	0.89	0.004	0.11	0.1	0.03	1.4	0.2	0.06	4	2.9	<0.2
REP 1183382	QC	19	0.12	1059	0.009	3	0.87	0.004	0.10	0.1	0.03	1.4	0.2	0.06	4	3.2	<0.2
1183469	Soil Pulp	18	0.22	1600	0.003	3	0.95	0.004	0.08	<0.1	0.45	2.6	0.4	0.09	2	6.2	<0.2
REP 1183469	QC	18	0.21	1226	0.003	2	0.90	0.004	0.08	<0.1	0.48	2.6	0.4	0.07	2	6.7	<0.2
1183604	Soil Pulp	19	0.11	107	0.017	1	0.81	0.003	0.06	0.2	0.08	1.0	0.2	<0.05	6	1.6	<0.2
REP 1183604	QC	19	0.11	105	0.016	<1	0.86	0.002	0.05	0.2	0.07	0.9	0.2	<0.05	6	2.0	<0.2
1183617	Soil Pulp	23	0.24	263	0.006	<1	1.39	0.003	0.06	0.2	0.11	1.6	0.2	<0.05	4	1.9	<0.2
REP 1183617	QC	23	0.24	263	0.007	2	1.34	0.003	0.06	0.2	0.08	1.6	0.2	<0.05	4	1.4	<0.2
Reference Materials																	
STD DS8	Standard	110	0.60	273	0.107	3	0.92	0.105	0.41	2.8	0.18	2.4	5.2	0.15	5	5.3	4.7
STD DS8	Standard	119	0.62	282	0.121	3	0.94	0.092	0.41	3.0	0.19	2.1	5.4	0.11	5	4.9	5.5
STD DS8	Standard	105	0.53	264	0.099	1	0.85	0.074	0.38	2.8	0.20	1.8	5.3	0.14	4	4.9	4.4
STD DS8	Standard	130	0.65	281	0.116	3	0.96	0.087	0.44	3.2	0.21	2.1	5.7	0.17	5	5.5	5.3
STD DS8	Standard	123	0.63	286	0.117	3	0.98	0.092	0.47	3.1	0.19	2.7	5.5	0.17	5	6.1	5.3



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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD DS8	Standard	14.7	117.9	124.3	323	1.7	40.9	8.2	618	2.50	26.0	111.0	6.7	61	2.3	5.2	6.7	45	0.70	0.083	15
STD DS8	Standard	14.7	116.6	123.0	318	1.7	40.3	8.0	620	2.53	24.9	110.3	7.0	65	2.3	5.2	6.5	45	0.71	0.077	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<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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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	126	0.62	269	0.116	3	0.92	0.086	0.40	3.3	0.18	2.1	5.2	0.17	5	5.4	5.0
STD DS8	Standard	125	0.60	278	0.119	3	0.91	0.084	0.40	3.1	0.19	2.2	5.3	0.16	5	5.2	4.9
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Confirmation Email List
Receiving Lab: Canada-Vancouver
Received: August 04, 2011
Report Date: August 23, 2011
Page: 1 of 10

CERTIFICATE OF ANALYSIS

VAN11003706.1

CLIENT JOB INFORMATION

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	255	Sorting of samples on arrival and labeling			VAN
1DX2	251	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

Invoice To: Carlin Gold Corporation
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Vancouver BC V6C 2V6
Canada

CC: Report Email List



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



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Project: CCJV
Report Date: August 23, 2011

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CERTIFICATE OF ANALYSIS

VAN11003706.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1183626	Soil Pulp	2.0	19.8	11.5	80	0.2	13.6	6.7	593	2.24	17.7	2.4	0.2	27	0.4	1.4	0.2	44	0.40	0.098
1183627	Soil Pulp	1.9	29.3	13.2	69	0.2	15.1	6.9	269	2.78	28.1	6.7	1.1	7	0.2	2.3	0.2	44	0.05	0.084
1183628	Soil Pulp	1.2	12.4	6.2	38	0.3	8.4	3.3	141	1.30	17.6	3.5	0.2	7	0.2	1.0	0.2	29	0.06	0.149
1183629	Soil Pulp	1.9	23.9	8.1	43	0.2	11.0	4.8	139	1.62	53.4	5.2	0.6	10	<0.1	2.1	0.2	36	0.13	0.093
1183630	Soil Pulp	2.9	31.5	12.0	62	0.2	15.5	6.9	161	2.47	29.4	2.0	1.2	7	0.3	2.0	0.2	42	0.04	0.076
1183631	Soil Pulp	2.1	37.7	19.1	98	0.3	27.9	15.9	766	3.46	21.0	3.4	3.0	23	0.6	1.8	0.2	42	0.29	0.165
1183632	Soil Pulp	2.3	26.1	13.0	62	0.2	15.6	7.6	463	2.64	20.8	2.4	0.3	12	0.2	1.7	0.2	50	0.16	0.142
1183633	Soil Pulp	2.8	31.4	14.4	79	<0.1	20.4	8.3	302	3.37	24.4	1.2	0.9	10	0.3	2.1	0.2	42	0.08	0.098
1183634	Soil Pulp	2.4	29.8	13.9	73	0.1	18.7	9.0	285	3.23	19.1	1.5	3.0	14	0.3	1.5	0.2	37	0.17	0.119
1183635	Soil Pulp	3.0	45.7	14.8	77	0.1	26.5	14.1	380	3.17	30.6	3.0	3.2	14	0.4	2.4	0.2	35	0.17	0.119
1183636	Soil Pulp	2.3	39.4	13.8	68	0.2	19.8	9.5	319	2.80	22.3	2.5	2.3	16	0.3	1.6	0.2	41	0.20	0.135
1183637	Soil Pulp	1.8	18.8	10.8	51	0.2	14.1	5.7	215	2.39	22.5	4.0	0.7	8	0.1	1.4	0.2	52	0.07	0.090
1183638	Soil Pulp	1.6	28.3	14.8	59	<0.1	17.0	7.0	260	3.49	16.0	2.4	0.4	8	0.2	1.5	0.2	47	0.06	0.076
1183639	Soil Pulp	4.9	8.5	12.9	35	0.6	7.4	2.3	74	1.52	25.0	2.9	1.0	14	0.1	4.8	0.3	55	0.02	0.044
1183640	Soil Pulp	2.9	7.7	6.1	24	0.3	4.1	1.1	17	0.54	10.8	1.6	0.1	7	<0.1	2.3	0.1	32	<0.01	0.022
1183641	Soil Pulp	4.1	10.2	14.3	31	0.6	5.5	1.4	35	1.04	19.0	1.7	0.5	16	<0.1	3.6	0.3	47	0.01	0.033
1183642	Soil Pulp	8.3	17.5	17.1	49	3.4	8.0	1.8	21	1.96	46.5	5.4	1.0	34	0.1	10.5	0.2	66	<0.01	0.092
1183643	Soil Pulp	5.1	12.4	15.8	34	1.2	6.4	1.7	41	1.21	21.4	1.8	0.3	17	<0.1	4.5	0.2	50	<0.01	0.042
1183644	Soil Pulp	4.9	10.5	13.8	40	1.7	8.2	3.3	189	2.87	21.1	5.0	0.9	10	0.2	4.3	0.3	63	0.03	0.063
1183645	Soil Pulp	4.6	13.5	18.4	44	1.7	8.9	2.7	101	2.52	31.5	1.9	2.0	15	<0.1	4.9	0.3	84	0.02	0.086
1183646	Soil Pulp	9.2	13.1	17.6	40	1.1	6.3	1.6	29	1.74	41.1	7.4	0.5	33	<0.1	11.4	0.2	48	<0.01	0.069
1183647	Soil Pulp	3.8	10.6	14.2	42	1.1	8.3	3.1	140	2.81	22.2	4.2	1.9	13	0.1	3.2	0.3	59	0.04	0.057
1183648	Soil Pulp	5.9	21.1	19.5	72	1.9	12.9	3.0	57	2.14	44.8	1.9	0.5	26	0.2	7.6	0.3	48	0.01	0.097
1183649	Soil Pulp	7.8	16.8	17.7	102	1.1	15.6	5.0	205	2.41	23.8	6.8	1.1	46	0.7	6.2	0.3	42	0.04	0.072
1183650	Soil Pulp	3.6	11.4	12.5	33	0.5	6.1	1.5	41	1.27	15.5	2.3	0.7	14	<0.1	2.6	0.3	61	0.02	0.067
1183651	Soil Pulp	6.7	21.8	18.4	54	2.0	10.5	2.5	74	3.00	29.3	3.6	0.4	33	0.2	5.0	0.3	77	0.03	0.183
1183652	Soil Pulp	7.3	26.0	13.6	52	0.9	8.6	1.6	52	1.96	20.6	4.4	0.4	39	0.2	6.0	0.2	50	0.02	0.094
1183653	Soil Pulp	5.7	16.6	12.0	38	1.3	5.7	1.3	38	1.65	17.1	4.7	0.2	27	0.1	4.1	0.2	49	0.02	0.110
1183654	Soil Pulp	5.3	53.3	25.9	44	2.2	16.8	2.5	54	2.27	25.6	26.9	0.3	29	0.4	9.0	0.3	41	0.04	0.142
1183655	Soil Pulp	6.4	11.9	13.6	38	0.9	6.1	1.2	28	1.00	13.1	3.5	0.2	23	0.1	3.6	0.2	74	<0.01	0.049



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Report Date: August 23, 2011

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183626	Soil Pulp	17	0.25	259	0.005	1	0.79	0.003	0.09	<0.1	0.03	0.5	0.1	0.10	4	0.7	<0.2
1183627	Soil Pulp	17	0.30	197	0.005	2	1.35	0.002	0.08	0.1	0.06	1.4	0.1	0.09	4	0.7	<0.2
1183628	Soil Pulp	15	0.21	223	0.003	1	0.99	0.003	0.08	<0.1	0.05	0.3	0.2	0.10	4	<0.5	<0.2
1183629	Soil Pulp	12	0.17	288	0.003	<1	0.95	0.002	0.08	<0.1	0.07	0.9	0.2	0.08	4	0.5	<0.2
1183630	Soil Pulp	14	0.24	438	0.004	1	1.11	0.002	0.07	<0.1	0.06	1.3	0.2	<0.05	4	<0.5	<0.2
1183631	Soil Pulp	21	0.53	329	0.005	1	1.91	0.003	0.13	<0.1	0.07	2.7	0.2	<0.05	4	0.7	<0.2
1183632	Soil Pulp	19	0.29	373	0.005	<1	1.33	0.002	0.08	<0.1	0.08	0.7	0.2	0.08	5	<0.5	<0.2
1183633	Soil Pulp	20	0.40	251	0.007	1	1.34	0.002	0.11	0.1	0.04	1.3	0.2	0.07	4	<0.5	<0.2
1183634	Soil Pulp	17	0.49	174	0.006	3	1.29	0.003	0.11	<0.1	0.05	2.0	0.1	0.05	4	0.7	<0.2
1183635	Soil Pulp	16	0.48	160	0.004	3	1.26	0.002	0.15	<0.1	0.07	2.2	0.2	0.05	4	1.0	<0.2
1183636	Soil Pulp	16	0.44	234	0.008	2	1.33	0.003	0.11	<0.1	0.09	2.1	0.2	<0.05	5	0.6	<0.2
1183637	Soil Pulp	21	0.31	234	0.009	2	1.39	0.003	0.06	0.1	0.06	1.2	0.2	0.07	5	0.6	<0.2
1183638	Soil Pulp	17	0.37	164	0.008	2	1.21	0.003	0.12	<0.1	0.05	0.9	0.1	0.07	5	<0.5	<0.2
1183639	Soil Pulp	11	0.08	121	0.014	2	0.46	0.003	0.05	0.2	0.09	0.8	0.3	0.06	4	1.1	<0.2
1183640	Soil Pulp	5	0.01	73	0.005	2	0.22	0.002	0.03	<0.1	0.02	0.2	0.1	<0.05	3	0.7	<0.2
1183641	Soil Pulp	8	0.03	124	0.012	1	0.37	0.002	0.04	<0.1	0.04	0.6	0.2	0.06	5	1.5	<0.2
1183642	Soil Pulp	9	0.02	187	0.002	1	0.32	0.002	0.04	<0.1	0.63	0.8	0.2	0.08	2	4.1	<0.2
1183643	Soil Pulp	8	0.03	121	0.008	2	0.33	0.003	0.04	0.1	0.05	0.5	0.3	<0.05	4	2.6	<0.2
1183644	Soil Pulp	18	0.16	109	0.022	1	0.68	0.003	0.05	0.2	0.15	1.0	0.2	<0.05	6	1.7	<0.2
1183645	Soil Pulp	12	0.09	105	0.034	<1	0.48	0.002	0.05	0.2	0.13	1.0	0.2	<0.05	6	2.1	<0.2
1183646	Soil Pulp	8	0.02	197	0.005	2	0.27	0.002	0.06	<0.1	0.10	0.6	0.4	0.10	2	5.2	<0.2
1183647	Soil Pulp	18	0.17	95	0.024	2	0.81	0.003	0.05	0.2	0.13	1.3	0.2	0.05	5	1.6	<0.2
1183648	Soil Pulp	11	0.04	204	0.005	3	0.41	0.003	0.06	<0.1	0.09	0.7	0.4	0.05	3	2.7	<0.2
1183649	Soil Pulp	15	0.16	740	0.005	2	0.69	0.003	0.06	0.1	0.57	1.2	0.5	0.06	3	4.3	<0.2
1183650	Soil Pulp	10	0.05	148	0.015	2	0.40	0.002	0.04	0.1	0.03	0.6	0.2	0.05	6	1.2	<0.2
1183651	Soil Pulp	17	0.10	283	0.009	3	0.66	0.004	0.05	0.1	0.14	0.7	0.3	0.06	5	3.5	<0.2
1183652	Soil Pulp	11	0.07	362	0.008	2	0.46	0.003	0.05	0.1	0.13	0.7	0.3	0.08	3	3.7	<0.2
1183653	Soil Pulp	11	0.05	259	0.007	2	0.39	0.003	0.04	0.1	0.10	0.4	0.2	0.05	4	2.5	<0.2
1183654	Soil Pulp	17	0.19	437	0.006	3	1.09	0.003	0.06	0.1	1.20	0.8	0.6	0.07	4	5.5	<0.2
1183655	Soil Pulp	10	0.02	272	0.007	1	0.30	0.002	0.04	0.1	0.02	0.2	0.3	<0.05	4	1.5	<0.2



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Project: CCJV
Report Date: August 23, 2011

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1183656	Soil Pulp	8.2	15.5	21.0	61	1.7	13.2	4.2	158	3.81	28.4	8.6	1.3	26	0.2	8.7	0.3	53	0.03	0.080	9
1183657	Soil Pulp	6.1	46.7	21.7	69	1.3	10.1	2.2	73	1.87	27.2	4.0	0.8	90	0.3	4.1	0.3	44	0.02	0.095	12
1183658	Soil Pulp	5.5	19.5	16.0	54	0.5	10.3	2.9	92	1.71	15.4	6.9	1.3	25	0.2	5.7	0.2	35	0.05	0.058	12
1183659	Soil Pulp	7.6	23.7	18.9	26	1.9	5.5	1.5	60	1.34	19.3	10.3	0.3	27	0.2	4.7	0.3	39	0.02	0.112	11
1183660	Soil Pulp	5.0	22.4	14.6	62	1.3	13.7	3.7	98	2.78	21.5	5.7	2.5	37	0.2	5.2	0.2	38	0.03	0.060	8
1183661	Soil Pulp	7.3	24.0	19.0	60	1.2	11.5	4.1	141	2.27	30.7	4.5	0.9	39	0.1	7.2	0.3	46	0.02	0.099	10
1183662	Soil Pulp	7.4	33.3	15.8	101	0.8	22.0	6.8	226	2.90	25.4	8.1	2.5	35	0.4	8.9	0.3	37	0.04	0.083	7
1183663	Soil Pulp	6.6	48.2	17.0	98	1.2	22.7	6.0	175	3.19	29.4	9.4	1.4	45	0.3	6.5	0.3	37	0.02	0.100	7
1183664	Soil Pulp	7.1	28.8	21.4	118	0.5	15.8	3.5	193	3.71	67.3	3.2	2.3	44	0.1	5.2	0.4	67	0.02	0.070	9
1183665	Soil Pulp	7.3	13.7	16.3	36	0.4	7.7	2.4	78	2.26	19.2	4.0	1.0	19	<0.1	5.1	0.3	53	<0.01	0.044	8
1183666	Soil Pulp	7.3	32.0	16.4	84	1.1	21.5	5.8	179	3.16	24.3	8.9	1.0	55	0.3	5.0	0.3	50	0.06	0.195	6
1183667	Soil Pulp	5.4	39.7	10.9	117	0.8	27.0	5.2	117	3.05	19.0	5.6	1.7	35	0.6	4.0	0.2	40	0.05	0.086	7
1183668	Soil Pulp	3.9	32.3	17.0	82	0.6	20.5	5.5	270	3.41	20.2	3.1	1.2	18	0.3	2.5	0.3	60	0.03	0.111	6
1183669	Soil Pulp	4.3	25.6	15.9	54	1.0	12.4	2.5	64	2.57	18.2	2.5	1.1	26	0.1	2.7	0.3	45	0.02	0.099	8
1183670	Soil Pulp	4.2	55.6	11.5	111	1.1	27.0	4.8	105	2.58	22.2	7.4	1.9	48	0.4	3.7	0.2	31	0.02	0.069	7
1183671	Soil Pulp	4.8	45.8	14.4	118	1.7	28.1	4.5	122	2.87	18.3	3.8	1.8	40	0.3	3.2	0.2	40	0.04	0.079	8
1183672	Soil Pulp	5.0	46.1	16.7	83	0.5	20.9	3.5	87	2.87	24.8	6.8	1.1	45	0.2	3.8	0.3	31	0.01	0.095	6
1183673	Soil Pulp	3.6	41.4	9.1	71	0.6	20.0	3.3	80	2.31	18.1	5.5	1.9	44	0.2	3.6	0.2	37	0.03	0.066	5
1183674	Soil Pulp	3.4	23.5	11.4	44	0.5	9.7	2.3	66	2.39	17.2	4.0	2.1	17	<0.1	2.5	0.2	41	0.01	0.066	8
1183675	Soil Pulp	3.2	32.6	10.4	59	0.4	16.1	3.0	112	2.52	18.2	5.9	2.9	22	<0.1	2.9	0.2	33	0.02	0.059	8
1183676	Soil Pulp	3.6	33.9	14.5	55	0.8	13.9	2.7	72	2.96	22.5	4.2	2.2	13	<0.1	2.6	0.3	41	0.01	0.065	8
1183677	Soil Pulp	4.8	55.2	26.7	99	1.2	24.2	6.9	308	4.48	28.8	9.8	3.2	16	0.2	3.8	0.4	49	0.02	0.090	7
1183678	Soil Pulp	2.4	67.7	12.0	69	0.7	19.6	3.2	74	2.97	24.6	9.4	2.5	21	<0.1	3.0	0.2	25	<0.01	0.056	7
1183679	Soil Pulp	2.5	102.6	11.9	101	0.3	34.2	7.7	264	2.68	23.8	9.7	2.2	46	0.2	2.5	0.3	19	0.02	0.037	5
1183680	Soil Pulp	3.1	87.0	13.8	69	0.2	28.5	4.8	183	3.08	13.6	4.5	1.9	93	<0.1	1.1	0.3	21	0.18	0.038	3
1183681	Soil Pulp	2.2	43.2	12.7	41	0.4	10.9	3.3	152	1.81	9.2	4.7	2.4	9	<0.1	0.9	0.3	36	0.02	0.027	8
1183682	Soil Pulp	3.5	57.1	13.3	52	0.3	18.1	5.2	222	3.12	16.2	1.9	1.9	7	0.1	1.7	0.4	48	0.01	0.025	5
1183683	Soil Pulp	5.6	26.0	17.9	121	0.4	20.1	5.7	248	4.26	21.7	1.4	2.6	7	0.2	1.9	0.3	77	0.02	0.073	7
1183684	Soil Pulp	3.5	35.3	15.0	54	0.6	14.3	3.0	74	3.26	24.6	4.1	1.8	20	0.2	3.0	0.2	38	<0.01	0.082	5
1183685	Soil Pulp	3.5	67.1	12.3	93	0.6	24.2	4.5	126	2.57	27.3	5.0	2.4	41	0.3	3.8	0.2	25	<0.01	0.071	7



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183656	Soil Pulp	20	0.22	231	0.015	<1	0.96	0.003	0.06	0.2	0.37	1.2	0.3	0.07	5	6.6	<0.2
1183657	Soil Pulp	11	0.04	307	0.005	2	0.48	0.003	0.08	<0.1	0.13	0.9	0.4	0.15	3	3.4	<0.2
1183658	Soil Pulp	11	0.14	267	0.010	<1	0.49	0.003	0.07	0.1	0.31	1.0	0.2	0.08	2	2.8	<0.2
1183659	Soil Pulp	11	0.07	298	0.005	3	0.58	0.002	0.05	0.1	0.95	0.5	0.6	0.06	3	4.8	<0.2
1183660	Soil Pulp	17	0.21	201	0.005	2	0.73	0.004	0.05	<0.1	0.22	1.4	0.3	0.09	3	4.2	<0.2
1183661	Soil Pulp	13	0.09	272	0.003	3	0.51	0.003	0.08	<0.1	0.20	0.9	0.4	0.13	3	4.1	<0.2
1183662	Soil Pulp	17	0.29	327	0.022	1	0.87	0.003	0.05	0.1	0.31	1.7	0.3	0.06	3	4.2	<0.2
1183663	Soil Pulp	19	0.30	842	0.008	1	0.88	0.003	0.06	0.1	0.29	1.6	0.3	0.08	3	3.3	<0.2
1183664	Soil Pulp	17	0.11	197	0.008	<1	0.78	0.003	0.06	0.1	0.34	1.7	0.4	<0.05	5	2.8	<0.2
1183665	Soil Pulp	12	0.09	207	0.007	<1	0.54	0.002	0.04	0.1	0.21	0.7	0.3	<0.05	4	2.8	<0.2
1183666	Soil Pulp	18	0.24	735	0.006	<1	0.91	0.003	0.05	0.1	0.30	1.0	0.3	0.06	3	3.0	<0.2
1183667	Soil Pulp	18	0.33	770	0.014	<1	0.86	0.003	0.04	0.1	0.25	1.7	0.3	<0.05	3	2.4	<0.2
1183668	Soil Pulp	22	0.28	363	0.010	<1	1.50	0.004	0.04	0.2	0.07	1.2	0.1	<0.05	4	2.1	<0.2
1183669	Soil Pulp	13	0.10	603	0.007	<1	0.69	0.004	0.05	<0.1	0.08	1.0	0.1	<0.05	3	1.7	<0.2
1183670	Soil Pulp	15	0.27	1782	0.004	<1	0.75	0.003	0.05	<0.1	0.20	1.5	0.1	<0.05	2	2.0	<0.2
1183671	Soil Pulp	17	0.25	943	0.004	<1	0.92	0.004	0.06	0.1	0.18	1.4	0.1	<0.05	3	1.8	<0.2
1183672	Soil Pulp	16	0.24	1091	0.003	<1	0.88	0.004	0.06	<0.1	0.24	1.4	0.1	0.06	2	2.1	<0.2
1183673	Soil Pulp	13	0.24	1635	0.006	<1	0.64	0.003	0.03	<0.1	0.16	1.2	0.1	0.06	2	2.2	<0.2
1183674	Soil Pulp	11	0.10	399	0.008	<1	0.71	0.003	0.03	0.1	0.10	0.9	0.1	<0.05	3	1.8	<0.2
1183675	Soil Pulp	15	0.24	780	0.009	<1	0.83	0.004	0.05	0.1	0.12	1.3	0.1	<0.05	2	2.5	<0.2
1183676	Soil Pulp	15	0.15	294	0.009	<1	0.76	0.002	0.04	0.1	0.06	1.0	0.1	<0.05	3	2.6	<0.2
1183677	Soil Pulp	27	0.31	597	0.011	<1	1.44	0.003	0.06	0.2	0.14	1.8	0.1	<0.05	5	2.1	<0.2
1183678	Soil Pulp	15	0.22	1201	0.003	<1	0.81	0.002	0.04	<0.1	0.19	1.6	<0.1	<0.05	2	3.1	<0.2
1183679	Soil Pulp	18	0.39	2576	0.002	1	0.87	0.002	0.04	<0.1	0.13	1.7	<0.1	<0.05	2	1.9	<0.2
1183680	Soil Pulp	23	0.55	1584	0.003	<1	1.13	0.002	0.02	<0.1	0.10	1.5	<0.1	<0.05	3	0.8	<0.2
1183681	Soil Pulp	15	0.14	695	0.005	<1	1.12	0.002	0.03	0.1	0.08	1.4	<0.1	<0.05	4	0.9	<0.2
1183682	Soil Pulp	20	0.31	419	0.011	<1	1.09	0.002	0.02	0.1	0.03	1.3	<0.1	<0.05	5	0.8	<0.2
1183683	Soil Pulp	26	0.24	185	0.012	<1	1.46	0.002	0.04	0.3	0.03	1.5	0.1	<0.05	5	1.2	<0.2
1183684	Soil Pulp	16	0.15	356	0.003	<1	0.78	0.002	0.04	<0.1	0.07	0.9	<0.1	<0.05	3	1.9	<0.2
1183685	Soil Pulp	14	0.29	1682	0.004	<1	0.72	0.002	0.04	<0.1	0.16	1.5	0.1	<0.05	2	2.7	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1183686	Soil Pulp	3.7	15.4	14.8	35	0.4	7.1	1.6	46	1.70	31.3	4.8	1.1	12	0.1	2.4	0.3	53	0.01	0.067
1183687	Soil Pulp	11.3	31.8	15.1	83	1.4	17.2	2.1	41	2.61	87.8	11.1	2.5	64	0.2	12.2	0.2	80	0.02	0.156
1183688	Soil Pulp	6.2	35.1	17.0	72	1.2	15.9	3.5	115	2.99	41.6	8.5	2.8	19	0.3	5.9	0.2	52	0.02	0.112
1183689	Soil Pulp	7.5	41.5	15.0	100	1.0	18.1	2.9	86	2.58	29.3	5.8	1.2	50	0.8	6.1	0.2	73	0.05	0.127
1183690	Soil Pulp	3.6	13.3	13.2	84	1.9	11.3	2.6	102	2.30	19.2	3.6	2.5	15	0.5	2.5	0.2	73	0.02	0.112
1183691	Soil Pulp	7.1	14.5	12.8	76	1.0	12.6	2.6	122	1.90	42.0	2.2	1.2	25	0.5	5.0	0.2	82	0.04	0.129
1183692	Soil Pulp	8.2	56.4	18.7	151	1.7	29.9	2.7	84	2.69	51.7	12.6	2.3	81	1.0	6.3	0.3	102	0.11	0.143
1185741	Soil Pulp	2.8	75.1	15.3	112	0.6	32.3	13.2	568	2.45	33.5	15.1	1.6	80	0.7	3.2	0.2	27	1.33	0.180
1185742	Soil Pulp	4.0	58.5	22.8	98	0.6	34.5	18.9	653	3.62	13.9	4.3	2.4	58	0.5	2.5	0.2	12	1.15	0.216
1185743	Soil Pulp	7.8	89.7	29.0	98	1.0	46.9	20.3	444	4.43	35.9	8.6	2.6	74	0.5	5.3	0.2	21	1.15	0.199
1185744	Soil Pulp	3.7	132.4	27.6	152	0.5	54.0	30.4	383	4.94	75.5	16.7	3.1	141	0.4	6.6	0.2	14	5.48	0.289
1185745	Soil Pulp	3.6	67.2	22.6	86	0.3	33.4	27.2	666	3.96	12.3	3.6	3.7	20	0.4	1.5	0.2	58	0.28	0.074
1185746	Soil Pulp	1.7	37.7	30.2	66	0.4	22.7	9.4	556	1.85	11.4	3.8	1.1	92	0.6	4.5	0.2	25	1.65	0.103
1185747	Soil Pulp	2.2	42.9	19.7	83	0.5	20.6	12.1	702	2.11	40.5	5.7	1.2	87	0.9	3.8	0.2	43	1.50	0.065
1185748	Soil Pulp	1.6	33.0	12.0	44	0.5	22.1	6.7	418	1.80	24.6	8.5	0.7	87	0.4	2.3	0.2	22	1.43	0.083
1185749	Soil Pulp	8.7	177.9	48.4	140	0.5	52.5	36.5	2145	5.22	11.5	9.7	2.6	20	0.3	1.4	1.4	24	0.03	0.102
1185750	Soil Pulp	2.1	56.1	23.1	65	1.6	15.3	1.2	136	3.80	9.9	6.8	2.8	33	<0.1	2.2	0.3	27	0.02	0.065
1185751	Soil Pulp	5.1	40.1	13.1	44	1.7	9.3	1.6	46	3.22	23.0	3.0	1.0	13	0.2	2.2	0.3	61	0.01	0.054
1185752	Soil Pulp	3.9	30.3	16.5	63	0.6	12.6	3.2	147	3.43	24.7	2.9	1.6	20	0.3	2.2	0.4	60	0.03	0.095
1185753	Soil Pulp	3.0	28.6	18.8	50	0.3	8.3	1.9	87	1.63	15.9	0.7	0.2	23	0.3	1.6	0.5	47	0.01	0.050
1185754	Soil Pulp	5.5	32.2	16.4	65	1.8	13.9	4.5	1775	2.26	17.3	3.4	0.2	35	0.4	2.4	0.3	48	0.03	0.152
1185755	Soil Pulp	4.0	46.3	14.0	50	0.7	9.6	2.3	220	2.18	19.8	10.9	0.2	71	0.2	2.3	0.3	31	0.04	0.142
1185756	Soil Pulp	10.2	22.3	17.2	50	2.0	11.4	2.3	62	2.14	16.0	1.6	0.1	52	0.1	3.1	0.4	72	0.02	0.105
1185757	Soil Pulp	9.2	33.7	14.8	65	2.6	14.9	2.0	59	1.79	16.7	2.3	<0.1	69	0.5	4.6	0.3	83	0.04	0.147
1185758	Soil Pulp	15.8	78.5	14.6	167	2.0	31.1	4.2	204	4.32	35.6	3.4	0.5	89	0.7	13.8	0.2	123	0.09	0.327
1185759	Soil Pulp	11.8	29.6	17.4	131	1.1	19.7	4.2	119	2.76	27.2	5.2	0.6	44	0.6	12.9	0.2	92	0.05	0.075
1185836	Soil Pulp	2.7	44.8	14.7	88	0.5	26.2	17.3	1279	2.87	8.2	2.3	3.0	29	0.4	1.0	0.2	41	0.32	0.133
1185837	Soil Pulp	2.1	56.4	12.4	101	0.5	29.7	11.2	679	2.12	5.0	2.8	1.1	156	0.9	1.1	0.1	18	3.12	0.125
1185838	Soil Pulp	2.0	67.2	18.8	140	0.4	26.2	16.4	545	3.06	8.0	2.6	1.3	121	0.5	1.2	0.2	31	2.29	0.132
1185839	Soil Pulp	2.9	52.9	26.9	113	0.5	37.0	19.3	1589	3.64	11.3	1.9	4.4	41	0.7	1.3	0.3	49	0.45	0.075



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1183686	Soil Pulp	9	0.07	362	0.015	<1	0.58	0.002	0.03	0.2	0.05	0.7	0.1	<0.05	4	1.5	<0.2
1183687	Soil Pulp	11	0.07	1112	0.004	<1	0.57	0.003	0.08	0.2	0.41	1.4	0.4	0.12	2	5.9	<0.2
1183688	Soil Pulp	18	0.16	301	0.008	<1	1.19	0.003	0.04	0.1	0.14	1.6	0.2	<0.05	3	2.7	<0.2
1183689	Soil Pulp	14	0.12	1625	0.008	<1	0.79	0.003	0.06	0.2	0.29	1.2	0.3	0.07	3	3.3	<0.2
1183690	Soil Pulp	15	0.11	323	0.008	<1	1.17	0.003	0.04	0.2	0.12	1.2	0.2	<0.05	4	1.8	<0.2
1183691	Soil Pulp	12	0.12	393	0.014	<1	0.69	0.003	0.06	0.3	0.10	0.8	0.2	<0.05	4	2.3	<0.2
1183692	Soil Pulp	22	0.16	2847	0.004	3	1.31	0.004	0.14	0.2	0.69	1.8	0.3	<0.05	4	5.4	<0.2
1185741	Soil Pulp	12	0.54	713	0.005	2	0.80	0.004	0.09	<0.1	0.17	2.6	<0.1	0.06	2	1.3	<0.2
1185742	Soil Pulp	10	0.54	217	0.002	1	0.61	0.003	0.06	<0.1	0.19	3.4	<0.1	0.06	1	1.0	<0.2
1185743	Soil Pulp	10	0.50	314	0.003	<1	0.71	0.004	0.09	<0.1	0.17	3.4	0.2	0.06	2	1.6	<0.2
1185744	Soil Pulp	8	1.09	256	0.004	4	0.63	0.003	0.15	<0.1	0.19	3.8	0.1	0.19	2	2.1	<0.2
1185745	Soil Pulp	29	0.73	351	0.007	<1	1.90	0.004	0.13	<0.1	0.07	3.4	0.2	<0.05	6	0.9	<0.2
1185746	Soil Pulp	14	0.47	396	0.008	3	0.80	0.005	0.07	<0.1	0.13	1.6	<0.1	<0.05	2	0.9	<0.2
1185747	Soil Pulp	16	0.35	354	0.009	2	0.81	0.004	0.07	0.2	0.15	2.1	0.1	<0.05	3	0.9	<0.2
1185748	Soil Pulp	10	0.26	2026	0.006	2	0.67	0.004	0.05	<0.1	0.10	1.9	0.1	<0.05	2	0.6	<0.2
1185749	Soil Pulp	23	0.34	1863	0.008	<1	1.23	0.003	0.04	<0.1	0.07	1.8	<0.1	<0.05	3	1.3	0.5
1185750	Soil Pulp	25	0.19	193	0.002	1	0.79	0.003	0.05	<0.1	0.08	0.9	<0.1	<0.05	3	3.7	<0.2
1185751	Soil Pulp	23	0.02	291	0.014	1	0.49	0.006	0.04	<0.1	0.07	0.7	<0.1	<0.05	3	2.7	0.2
1185752	Soil Pulp	18	0.11	320	0.030	1	0.72	0.007	0.06	0.2	0.05	1.0	0.1	<0.05	5	1.1	0.2
1185753	Soil Pulp	9	0.03	242	0.007	1	0.43	0.006	0.04	0.1	0.01	0.3	0.1	<0.05	4	0.5	<0.2
1185754	Soil Pulp	18	0.09	499	0.006	1	0.68	0.006	0.06	0.1	0.11	0.3	0.2	0.06	3	1.4	<0.2
1185755	Soil Pulp	11	0.07	438	0.004	1	0.43	0.006	0.06	0.1	0.08	0.4	0.1	0.08	2	1.6	<0.2
1185756	Soil Pulp	16	0.05	525	0.007	<1	0.44	0.004	0.08	0.2	0.06	0.3	0.3	0.10	5	1.8	<0.2
1185757	Soil Pulp	17	0.05	1015	0.004	1	0.58	0.004	0.06	0.1	0.11	0.1	0.3	0.07	4	3.4	<0.2
1185758	Soil Pulp	27	0.32	1059	0.014	<1	1.75	0.004	0.06	0.2	0.24	0.6	0.4	0.09	5	6.9	<0.2
1185759	Soil Pulp	22	0.26	307	0.013	1	1.02	0.005	0.07	0.2	0.12	0.9	0.5	0.08	4	5.6	<0.2
1185836	Soil Pulp	22	0.61	245	0.005	1	1.35	0.004	0.09	<0.1	0.12	2.4	0.1	<0.05	4	0.6	<0.2
1185837	Soil Pulp	13	0.42	212	0.006	4	0.82	0.006	0.09	<0.1	0.23	1.8	0.1	0.16	2	1.2	<0.2
1185838	Soil Pulp	14	0.64	216	0.006	3	0.99	0.005	0.11	<0.1	0.19	2.4	<0.1	0.10	3	1.1	<0.2
1185839	Soil Pulp	25	0.58	348	0.008	2	1.75	0.005	0.18	<0.1	0.07	3.1	0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1185842	Soil Pulp	4.4	62.2	19.6	123	0.5	40.2	18.0	645	3.73	18.5	5.5	3.9	49	0.8	2.3	0.3	47	0.60	0.117
1185843	Soil Pulp	3.2	45.3	13.3	124	0.7	34.5	15.3	463	2.97	17.9	3.1	3.8	64	0.6	2.2	0.2	36	0.95	0.100
1185844	Soil Pulp	4.1	48.9	18.9	109	0.6	32.8	15.8	577	3.44	10.9	1.0	2.0	16	1.1	1.5	0.2	42	0.13	0.125
1185845	Soil Pulp	6.6	65.4	21.8	114	0.4	45.3	20.8	766	4.02	18.0	1.8	3.7	59	0.8	3.0	0.3	33	0.79	0.099
1185846	Soil Pulp	2.4	39.0	64.2	164	<0.1	28.2	27.0	1250	3.80	10.5	0.8	3.8	23	0.7	0.7	0.4	38	0.14	0.105
1185847	Soil Pulp	0.5	31.2	9.6	30	0.2	13.2	10.2	643	1.48	2.3	6.5	0.5	118	0.3	0.5	0.1	20	3.09	0.122
1185848	Soil Pulp	1.0	21.6	11.5	63	0.3	16.9	10.5	642	1.97	6.0	3.1	1.3	84	0.2	0.9	0.2	30	1.67	0.146
1185849	Soil Pulp	1.6	26.1	18.4	98	0.3	25.1	13.2	952	2.46	7.4	2.7	4.0	61	0.6	1.2	0.3	37	0.87	0.098
1185850	Soil Pulp	2.3	16.3	15.4	81	0.1	18.1	8.1	459	3.90	12.6	<0.5	2.4	7	0.2	1.2	0.3	62	0.04	0.113
1185851	Soil Pulp	2.6	15.6	21.0	86	0.5	16.0	8.6	397	3.92	15.6	<0.5	3.8	7	0.2	1.2	0.4	59	0.03	0.096
1185852	Soil Pulp	6.1	45.0	27.5	108	0.5	26.7	15.3	1802	3.62	19.0	2.5	5.0	40	0.8	2.1	0.3	38	0.52	0.056
1185853	Soil Pulp	1.9	57.4	14.8	95	0.4	34.2	15.7	1254	2.65	24.9	2.4	3.4	514	1.5	3.4	0.2	35	10.22	0.265
1185854	Soil Pulp	2.0	37.5	14.4	59	0.3	23.5	15.8	1564	2.80	9.2	3.1	1.3	67	0.3	1.3	0.2	45	0.92	0.102
1185855	Soil Pulp	3.5	62.7	23.2	96	0.4	40.7	38.2	797	6.41	19.9	1.7	2.7	29	0.3	2.2	0.2	92	0.34	0.163
1185856	Soil Pulp	10.3	144.2	60.1	129	1.1	63.8	30.4	1021	9.00	120.3	8.8	4.1	118	0.3	6.4	0.2	27	2.18	0.241
1185857	Soil Pulp	2.2	32.9	11.6	52	0.4	24.8	9.9	359	2.39	10.7	3.5	1.0	70	0.2	1.6	0.2	33	1.12	0.097
1185858	Soil Pulp	4.0	20.4	13.7	74	0.1	20.1	10.7	429	2.79	12.4	1.2	0.7	16	0.6	1.3	0.2	55	0.10	0.082
1185859	Soil Pulp	1.7	66.7	17.7	91	0.2	29.3	19.7	1944	2.96	4.2	2.0	1.0	53	1.4	1.0	0.2	63	0.78	0.111
1185860	Soil Pulp	2.4	31.7	12.2	69	0.3	19.5	7.1	245	2.34	10.6	1.2	0.4	69	0.6	1.1	0.2	54	1.02	0.082
1185861	Soil Pulp	5.0	35.0	21.0	102	0.7	34.6	11.0	212	4.33	15.4	2.3	3.7	20	0.4	2.8	0.3	52	0.08	0.120
1185862	Soil Pulp	11.3	31.2	19.5	92	0.9	15.5	3.1	151	3.40	28.5	5.0	0.3	38	0.3	8.5	0.3	85	0.02	0.184
1185863	Soil Pulp	9.6	23.5	16.9	79	1.1	10.0	1.8	42	1.72	16.2	3.0	0.1	49	0.1	6.1	0.3	61	0.02	0.108
1185864	Soil Pulp	10.3	30.5	20.2	39	1.6	11.3	3.0	130	2.37	17.6	18.0	0.6	93	0.1	6.7	0.3	41	0.11	0.168
1185865	Soil Pulp	2.4	19.4	13.5	42	0.8	13.2	3.2	127	2.05	11.0	13.3	1.0	18	<0.1	1.3	0.3	46	0.06	0.050
1185866	Soil Pulp	0.9	17.7	15.4	12	0.2	3.7	0.5	29	1.11	5.7	18.8	0.3	27	<0.1	1.0	0.4	12	0.01	0.056
1185867	Soil Pulp	6.5	32.2	13.6	35	2.1	10.8	1.6	82	1.50	11.2	6.6	0.2	61	0.5	2.3	0.2	39	0.07	0.086
1185868	Soil Pulp	3.2	53.4	22.8	65	1.2	9.3	1.4	48	3.37	12.3	14.2	2.0	150	<0.1	5.9	0.4	25	0.02	0.157
1185869	Soil Pulp	8.9	62.5	21.7	53	1.4	7.7	1.4	90	3.14	22.9	14.7	0.7	110	0.2	5.4	0.4	28	0.03	0.162
1185870	Soil Pulp	5.6	73.6	17.2	53	1.2	11.4	2.9	161	3.41	19.4	24.3	1.0	53	<0.1	4.5	0.4	44	0.05	0.108
1185871	Soil Pulp	1.4	31.6	11.3	18	0.2	2.1	0.6	38	1.35	9.4	14.5	0.5	27	<0.1	1.8	0.3	13	<0.01	0.042



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1185842	Soil Pulp	23	0.63	393	0.007	2	1.42	0.006	0.17	<0.1	0.13	2.8	0.1	<0.05	4	0.7	<0.2
1185843	Soil Pulp	22	0.75	258	0.006	1	1.38	0.005	0.10	<0.1	0.14	3.0	0.1	<0.05	4	0.7	<0.2
1185844	Soil Pulp	24	0.63	224	0.005	<1	1.42	0.003	0.10	<0.1	0.10	1.7	0.1	<0.05	4	0.5	<0.2
1185845	Soil Pulp	19	0.63	288	0.005	1	1.41	0.007	0.11	<0.1	0.14	3.1	0.1	<0.05	4	0.6	<0.2
1185846	Soil Pulp	27	0.53	351	0.008	1	2.00	0.007	0.18	<0.1	0.04	2.0	0.1	<0.05	6	<0.5	<0.2
1185847	Soil Pulp	11	0.63	226	0.007	3	0.71	0.006	0.07	<0.1	0.14	1.5	<0.1	0.08	2	0.7	<0.2
1185848	Soil Pulp	18	0.64	248	0.008	2	0.98	0.005	0.13	<0.1	0.13	2.6	0.1	<0.05	3	<0.5	<0.2
1185849	Soil Pulp	23	0.57	416	0.008	2	1.41	0.006	0.11	<0.1	0.12	2.6	0.2	<0.05	4	<0.5	<0.2
1185850	Soil Pulp	24	0.34	136	0.012	1	1.30	0.005	0.08	0.1	0.05	1.5	<0.1	<0.05	5	<0.5	<0.2
1185851	Soil Pulp	22	0.28	149	0.010	<1	1.37	0.004	0.08	0.1	0.01	1.6	0.1	<0.05	6	<0.5	<0.2
1185852	Soil Pulp	18	0.41	372	0.004	<1	1.18	0.004	0.12	<0.1	0.01	2.1	<0.1	<0.05	3	0.7	<0.2
1185853	Soil Pulp	15	0.86	741	0.016	6	1.27	0.014	0.11	0.1	0.04	4.7	<0.1	<0.05	3	2.4	<0.2
1185854	Soil Pulp	24	0.60	399	0.007	2	1.33	0.004	0.07	<0.1	0.05	3.1	<0.1	<0.05	4	<0.5	<0.2
1185855	Soil Pulp	38	0.88	365	0.008	1	2.03	0.005	0.18	<0.1	0.05	4.4	0.1	<0.05	6	<0.5	<0.2
1185856	Soil Pulp	17	0.67	296	0.005	2	1.10	0.007	0.19	<0.1	0.48	6.6	0.3	<0.05	2	1.6	<0.2
1185857	Soil Pulp	17	0.40	439	0.006	1	1.11	0.005	0.08	<0.1	0.17	2.0	0.1	0.06	3	0.6	<0.2
1185858	Soil Pulp	23	0.40	331	0.009	1	1.25	0.005	0.09	0.1	0.03	1.1	0.1	<0.05	4	<0.5	<0.2
1185859	Soil Pulp	28	0.61	221	0.018	1	1.65	0.006	0.08	<0.1	0.05	2.6	<0.1	<0.05	5	0.5	<0.2
1185860	Soil Pulp	21	0.32	360	0.007	<1	1.12	0.004	0.06	0.2	0.05	1.2	0.1	<0.05	4	<0.5	<0.2
1185861	Soil Pulp	25	0.41	155	0.008	2	1.55	0.004	0.11	0.1	0.06	2.3	0.2	<0.05	4	0.6	<0.2
1185862	Soil Pulp	18	0.11	552	0.008	2	0.90	0.014	0.06	0.1	0.09	0.5	0.4	0.12	4	3.4	0.2
1185863	Soil Pulp	13	0.03	955	0.006	2	0.44	0.007	0.05	0.1	0.08	0.1	0.3	0.10	4	3.5	<0.2
1185864	Soil Pulp	18	0.15	765	0.010	2	0.67	0.006	0.10	0.2	0.44	0.8	0.2	0.22	2	3.3	<0.2
1185865	Soil Pulp	22	0.18	209	0.026	2	0.69	0.007	0.05	0.2	0.10	1.1	<0.1	0.05	4	1.0	<0.2
1185866	Soil Pulp	7	0.01	275	0.003	2	0.15	0.004	0.06	<0.1	0.05	0.6	<0.1	0.13	<1	0.6	0.5
1185867	Soil Pulp	13	0.08	626	0.006	1	0.67	0.007	0.05	0.1	0.24	0.3	0.2	0.09	3	3.5	<0.2
1185868	Soil Pulp	12	0.02	813	0.005	1	0.30	0.007	0.06	<0.1	0.12	3.3	0.2	0.14	3	26.4	0.3
1185869	Soil Pulp	9	0.04	854	0.003	2	0.40	0.006	0.08	<0.1	0.26	1.3	0.2	0.17	2	3.9	0.3
1185870	Soil Pulp	22	0.20	519	0.013	2	1.04	0.006	0.07	0.1	0.32	1.4	0.2	0.10	3	3.4	0.2
1185871	Soil Pulp	5	0.02	301	0.003	<1	0.21	0.002	0.03	<0.1	0.02	0.6	<0.1	0.05	1	<0.5	0.3



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1185872	Soil Pulp	54.6	73.0	34.1	26	10.9	3.5	0.2	21	3.67	44.3	7.2	2.7	411	0.4	19.6	0.4	81	0.03	0.596
1185873	Soil Pulp	15.1	18.6	24.1	67	0.9	19.4	7.0	285	2.90	16.7	1.8	1.6	22	0.3	13.0	0.4	103	0.07	0.051
1185874	Soil Pulp	8.7	20.5	16.4	82	3.1	22.4	1.0	19	0.90	5.1	3.1	0.2	33	4.1	9.4	0.2	58	0.03	0.156
1185875	Soil Pulp	50.5	10.9	59.6	9	4.0	1.9	0.2	11	3.76	38.6	3.8	1.0	10	<0.1	79.3	0.5	186	<0.01	0.030
1185876	Soil Pulp	19.8	83.8	18.6	135	1.8	22.6	3.1	86	2.85	29.5	5.7	4.2	78	1.1	30.2	0.3	90	0.04	0.097
1185877	Soil Pulp	22.7	33.9	22.8	138	3.6	16.2	1.6	57	2.04	28.5	7.1	0.4	106	0.7	38.4	0.3	123	0.03	0.135
1185878	Soil Pulp	18.9	17.8	16.0	40	1.3	7.0	1.0	26	1.23	22.2	1.1	0.1	28	0.2	19.1	0.2	122	<0.01	0.072
1185987	Soil Pulp	18.7	19.0	21.3	55	2.3	10.4	2.0	50	2.57	30.7	3.0	2.0	75	<0.1	15.5	0.3	131	0.02	0.112
1185988	Soil Pulp	21.5	14.5	25.2	44	2.0	8.6	1.6	48	2.64	30.0	2.9	1.3	53	0.1	16.4	0.3	141	0.02	0.065
1185989	Soil Pulp	14.7	9.1	17.9	46	0.7	5.5	1.0	23	1.03	13.7	1.9	1.1	40	0.1	8.1	0.2	95	0.01	0.032
1185990	Soil Pulp	31.6	10.6	25.0	70	1.6	8.4	1.4	30	2.42	38.5	3.4	3.0	51	<0.1	29.6	0.4	136	0.01	0.042
1185991	Soil Pulp	7.9	14.0	15.3	37	2.2	8.6	1.6	38	1.27	11.2	0.6	0.2	48	0.3	4.7	0.3	70	0.03	0.083
1185992	Soil Pulp	11.2	18.6	18.4	76	2.4	10.7	2.0	49	2.03	21.1	3.6	0.4	137	0.5	8.5	0.3	220	0.04	0.138
1185993	Soil Pulp	8.9	46.6	12.1	40	2.6	11.4	1.5	36	1.87	17.5	4.3	0.2	59	0.8	6.9	0.2	62	0.07	0.172
1185994	Soil Pulp	5.9	37.3	11.3	38	1.6	9.2	1.1	32	1.12	7.3	1.0	0.2	57	0.9	5.7	0.2	43	0.05	0.121
1185995	Soil Pulp	18.3	50.9	36.4	90	3.4	53.2	1.2	17	1.30	14.6	4.0	0.3	144	2.7	26.6	0.4	78	0.08	0.066
1185996	Soil Pulp	10.4	39.7	17.6	120	3.8	24.2	5.6	162	2.73	19.9	4.1	3.8	39	0.5	11.1	0.3	78	0.06	0.092
1185997	Soil Pulp	9.8	18.5	16.3	68	2.1	10.2	1.8	33	1.49	16.7	0.9	0.2	44	0.2	7.5	0.3	97	0.02	0.076
1185998	Soil Pulp	12.4	23.5	17.5	81	4.7	10.8	1.1	21	1.33	14.0	2.3	0.3	133	0.6	12.6	0.2	79	0.02	0.109
1185999	Soil Pulp	9.3	11.4	10.8	50	1.2	6.5	1.2	27	0.93	8.4	2.0	0.5	22	0.2	6.4	0.2	98	0.01	0.028
1186000	Soil Pulp	14.9	17.6	19.3	89	3.9	9.6	1.0	21	1.37	30.5	3.8	0.8	112	0.4	16.5	0.3	84	0.03	0.140
1370001	Soil Pulp	2.7	70.8	15.0	120	0.4	37.4	10.1	334	3.09	16.9	3.4	2.8	58	0.6	2.5	0.3	26	0.03	0.052
1370002	Soil Pulp	3.4	34.6	20.0	85	0.4	20.2	5.6	239	3.30	18.5	2.8	1.0	20	0.2	2.2	0.4	50	0.03	0.054
1370003	Soil Pulp	4.5	42.3	17.0	62	0.8	14.4	2.8	70	2.69	34.3	4.0	0.4	56	0.2	5.2	0.3	42	0.03	0.075
1370004	Soil Pulp	3.5	28.7	14.6	54	0.7	11.5	2.9	91	3.12	23.1	2.9	1.7	13	<0.1	2.4	0.3	54	0.02	0.067
1370005	Soil Pulp	2.6	91.4	12.7	92	1.4	24.5	3.8	82	2.66	17.8	13.3	1.0	24	0.3	2.7	0.2	24	0.03	0.061
1370006	Soil Pulp	3.0	96.7	22.5	74	1.5	21.9	3.8	102	3.40	17.2	13.4	1.6	24	<0.1	2.6	0.3	34	0.01	0.066
1370007	Soil Pulp	2.9	29.7	21.2	73	1.2	14.4	4.2	200	5.04	17.0	4.4	2.3	17	0.1	1.8	0.4	59	0.05	0.061
1370008	Soil Pulp	3.3	55.0	20.0	74	0.8	23.5	3.2	71	2.48	15.2	6.9	1.0	33	0.2	1.7	0.3	34	0.02	0.054
1370009	Soil Pulp	2.7	19.6	11.1	46	0.3	9.9	2.9	126	2.12	14.1	1.2	2.0	9	0.2	1.4	0.3	51	0.02	0.031



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1185872	Soil Pulp	24	0.02	209	0.008	4	0.46	0.005	0.29	0.3	0.79	4.2	1.9	0.73	3	19.2	0.3
1185873	Soil Pulp	28	0.39	332	0.019	1	1.58	0.006	0.08	0.2	0.19	1.9	0.5	0.05	6	6.1	<0.2
1185874	Soil Pulp	13	0.15	877	0.004	3	0.98	0.007	0.06	<0.1	0.61	0.5	0.9	0.13	3	8.0	<0.2
1185875	Soil Pulp	9	0.02	272	0.008	2	0.21	0.010	0.40	<0.1	0.43	0.6	2.5	0.98	4	18.4	0.2
1185876	Soil Pulp	16	0.25	744	0.021	1	0.71	0.005	0.11	0.1	0.44	2.7	0.9	0.20	2	14.4	<0.2
1185877	Soil Pulp	11	0.15	737	0.003	2	0.49	0.003	0.10	<0.1	0.33	0.6	0.9	0.22	2	13.4	0.2
1185878	Soil Pulp	10	0.03	259	0.003	1	0.29	0.002	0.06	<0.1	0.07	0.3	0.5	0.08	2	6.4	<0.2
1185987	Soil Pulp	17	0.15	541	0.013	2	0.76	0.004	0.09	0.1	0.19	1.3	0.5	0.10	4	7.9	<0.2
1185988	Soil Pulp	15	0.09	542	0.013	2	0.77	0.005	0.10	0.1	0.11	0.9	0.6	0.10	4	9.5	<0.2
1185989	Soil Pulp	8	0.04	340	0.007	2	0.46	0.002	0.07	<0.1	0.01	0.7	0.5	0.07	3	3.2	<0.2
1185990	Soil Pulp	12	0.12	478	0.008	2	0.62	0.003	0.08	<0.1	0.04	1.0	0.9	0.06	4	7.5	<0.2
1185991	Soil Pulp	14	0.04	570	0.009	2	0.45	0.003	0.07	0.1	0.04	0.5	0.3	0.07	4	2.3	<0.2
1185992	Soil Pulp	19	0.06	817	0.013	<1	0.62	0.004	0.06	0.2	0.07	0.5	0.3	<0.05	5	3.7	<0.2
1185993	Soil Pulp	17	0.14	2392	0.009	<1	0.77	0.003	0.04	0.1	0.34	0.5	0.4	0.08	4	5.4	<0.2
1185994	Soil Pulp	13	0.03	1475	0.006	1	0.57	0.005	0.06	<0.1	0.18	0.4	0.3	0.11	3	6.3	<0.2
1185995	Soil Pulp	12	0.03	3639	0.006	2	0.52	0.004	0.07	<0.1	0.42	0.7	0.6	0.11	2	13.2	<0.2
1185996	Soil Pulp	29	0.33	492	0.027	2	1.82	0.006	0.08	0.2	0.46	2.3	0.4	<0.05	5	4.7	<0.2
1185997	Soil Pulp	11	0.03	423	0.008	2	0.44	0.004	0.06	0.1	0.06	0.4	0.4	<0.05	3	3.6	<0.2
1185998	Soil Pulp	9	0.02	1298	0.006	2	0.38	0.003	0.06	<0.1	0.13	0.3	0.3	0.09	2	6.0	<0.2
1185999	Soil Pulp	10	0.07	321	0.013	2	0.34	0.002	0.06	<0.1	0.04	0.6	0.2	<0.05	3	1.7	<0.2
1186000	Soil Pulp	8	0.03	1377	0.006	2	0.42	0.003	0.07	<0.1	0.58	0.9	0.6	0.11	2	8.1	<0.2
1370001	Soil Pulp	19	0.39	2403	0.004	1	0.86	0.004	0.05	<0.1	0.09	2.2	<0.1	<0.05	3	1.1	<0.2
1370002	Soil Pulp	21	0.26	266	0.013	1	0.95	0.005	0.07	0.1	0.04	1.3	0.1	<0.05	5	1.3	<0.2
1370003	Soil Pulp	12	0.09	510	0.005	1	0.48	0.003	0.05	<0.1	0.05	0.8	0.1	<0.05	3	2.4	<0.2
1370004	Soil Pulp	17	0.11	196	0.017	2	0.70	0.003	0.04	0.2	0.04	1.2	0.1	<0.05	5	1.2	<0.2
1370005	Soil Pulp	16	0.17	295	0.004	3	0.84	0.003	0.04	<0.1	0.21	1.7	<0.1	<0.05	2	2.6	<0.2
1370006	Soil Pulp	19	0.20	354	0.004	3	1.02	0.003	0.06	<0.1	0.29	2.0	0.2	<0.05	3	3.2	<0.2
1370007	Soil Pulp	29	0.22	198	0.026	2	1.24	0.003	0.06	0.2	0.11	1.6	0.1	<0.05	6	2.1	<0.2
1370008	Soil Pulp	17	0.24	627	0.005	2	0.89	0.004	0.06	<0.1	0.10	1.4	0.2	<0.05	3	1.8	<0.2
1370009	Soil Pulp	13	0.13	329	0.028	2	0.59	0.002	0.04	0.2	0.03	1.0	0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1370010	Soil Pulp	3.4	33.0	15.4	73	0.3	16.3	4.2	148	2.77	16.2	2.4	2.1	14	0.2	2.0	0.3	60	0.03	0.040
1370011	Soil Pulp	2.8	36.2	15.2	57	0.3	12.6	3.8	189	2.50	11.1	1.5	1.3	12	0.1	1.3	0.3	53	0.02	0.071
1370012	Soil Pulp	2.8	526.1	23.0	34	0.7	10.3	2.1	76	1.38	5.4	2.1	0.3	60	0.2	0.7	0.3	44	0.10	0.041
1370013	Soil Pulp	3.4	20.9	15.4	69	0.3	14.2	3.8	135	3.47	17.0	1.6	2.2	10	0.1	2.2	0.3	62	0.02	0.072
1370014	Soil Pulp	3.0	34.1	12.0	53	0.3	9.9	2.9	120	1.98	10.6	1.5	2.9	14	0.1	1.4	0.3	57	0.03	0.025
1370015	Soil Pulp	3.0	53.8	17.1	44	0.5	9.9	2.9	103	1.99	10.9	1.3	1.5	19	0.1	1.2	0.3	56	0.04	0.035
1370016	Soil Pulp	2.4	199.2	20.7	30	2.9	19.9	1.9	31	0.95	3.3	1.4	0.1	98	0.5	0.4	0.2	30	0.25	0.040
1370017	Soil Pulp	2.6	49.9	13.6	61	0.4	10.9	3.6	130	1.72	8.3	1.8	2.5	31	0.2	0.6	0.3	49	0.09	0.015
1370018	Soil Pulp	1.6	45.7	17.0	43	0.4	8.5	4.6	259	1.84	5.2	0.5	1.7	9	<0.1	0.5	0.3	42	0.03	0.033
1370019	Soil Pulp	3.1	41.7	15.7	33	0.2	9.3	3.5	114	1.44	21.6	1.4	2.1	11	<0.1	0.9	0.3	51	0.03	0.015
1370101	Soil Pulp	2.2	72.8	18.1	95	1.9	35.2	7.3	258	2.78	12.2	14.1	1.8	138	0.2	2.1	0.3	27	0.36	0.065
1370102	Soil Pulp	2.2	30.8	13.9	48	0.9	12.6	2.9	91	3.12	18.8	6.2	1.9	9	0.1	2.1	0.3	42	0.01	0.038
1370103	Soil Pulp	1.2	316.8	26.3	113	0.8	38.6	8.1	363	1.88	7.0	7.7	0.6	494	0.5	0.9	0.3	24	1.07	0.095
1370104	Soil Pulp	2.3	170.8	14.7	86	1.2	29.8	6.5	416	1.82	10.1	6.9	1.0	488	0.2	1.2	0.3	25	0.91	0.095
1370105	Soil Pulp	1.8	18.6	9.4	37	<0.1	7.0	2.7	120	2.28	11.7	1.5	2.4	7	<0.1	0.7	0.3	56	0.04	0.034
1370106	Soil Pulp	3.2	33.6	13.1	51	0.2	12.0	3.7	168	2.59	17.5	2.1	1.7	11	<0.1	1.3	0.3	39	0.02	0.062
1370107	Soil Pulp	4.3	76.5	12.4	77	0.3	27.0	15.2	605	2.17	14.1	6.6	2.6	10	0.1	1.3	0.2	19	0.02	0.030
1370108	Soil Pulp	1.7	48.6	10.0	61	<0.1	16.5	5.2	291	2.13	15.7	4.5	1.3	10	<0.1	1.5	0.2	24	0.02	0.033
1370109	Soil Pulp	1.6	65.8	9.8	127	1.5	36.8	5.2	248	2.12	12.0	9.6	1.9	68	0.3	1.5	0.3	25	0.17	0.058
1370110	Soil Pulp	1.3	54.3	10.4	67	0.7	29.9	5.8	521	1.67	9.4	6.1	0.7	179	0.3	2.6	0.2	20	1.39	0.082
1370111	Soil Pulp	3.0	28.1	13.0	49	0.4	11.3	2.7	87	2.91	21.6	1.4	2.1	12	<0.1	3.3	0.3	39	0.01	0.039
1370112	Soil Pulp	1.8	24.4	13.1	66	0.4	14.2	5.4	278	2.65	16.0	4.0	1.9	29	0.2	1.9	0.3	44	0.13	0.041
1370113	Soil Pulp	2.9	25.1	23.4	46	0.4	11.7	3.2	119	1.79	26.2	9.4	2.0	20	0.1	9.0	0.3	35	0.03	0.025
1370114	Soil Pulp	2.1	15.2	10.1	34	0.4	7.0	2.2	114	1.51	13.3	1.0	0.2	10	0.1	1.2	0.2	42	0.03	0.038
1370115	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1370116	Soil Pulp	2.3	33.9	12.2	57	0.3	33.6	4.1	152	2.76	13.4	3.4	1.8	8	0.1	1.6	0.2	30	0.01	0.041
1370117	Soil Pulp	2.1	20.0	10.6	47	<0.1	10.6	3.1	143	2.33	16.5	1.9	1.4	8	<0.1	1.7	0.2	42	0.02	0.037
1370118	Soil Pulp	2.0	14.5	12.4	39	<0.1	8.0	2.2	107	2.65	13.2	0.7	2.2	7	<0.1	1.4	0.3	70	0.02	0.030
1370201	Soil Pulp	25.5	24.8	15.4	107	1.9	9.3	1.5	38	2.32	45.5	1.3	0.9	42	0.3	17.8	0.2	87	0.03	0.101
1370202	Soil Pulp	7.0	15.3	14.9	49	3.3	7.5	1.5	41	1.89	12.2	1.5	0.3	27	0.3	2.2	0.3	98	0.04	0.302



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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1370010	Soil Pulp	24	0.26	367	0.018	<1	1.02	0.004	0.05	0.2	0.04	1.7	0.1	<0.05	5	1.1	<0.2
1370011	Soil Pulp	18	0.21	311	0.012	<1	1.02	0.003	0.05	0.2	0.02	1.4	0.1	<0.05	5	<0.5	<0.2
1370012	Soil Pulp	16	0.14	1750	0.007	1	0.98	0.004	0.05	0.1	0.03	0.9	0.1	<0.05	4	0.5	<0.2
1370013	Soil Pulp	21	0.19	163	0.029	<1	0.98	0.003	0.04	0.2	0.03	1.3	0.1	<0.05	5	1.0	<0.2
1370014	Soil Pulp	15	0.15	478	0.022	<1	0.83	0.003	0.04	0.2	0.02	1.4	0.1	<0.05	5	0.7	<0.2
1370015	Soil Pulp	13	0.12	806	0.016	<1	0.83	0.003	0.04	0.2	0.02	1.2	0.1	<0.05	4	0.6	<0.2
1370016	Soil Pulp	12	0.13	1734	0.006	1	0.71	0.005	0.10	0.1	0.04	0.5	0.1	<0.05	3	<0.5	<0.2
1370017	Soil Pulp	15	0.28	714	0.027	1	0.84	0.004	0.04	0.2	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
1370018	Soil Pulp	15	0.16	581	0.012	<1	1.17	0.004	0.03	0.2	0.04	1.2	<0.1	<0.05	4	<0.5	<0.2
1370019	Soil Pulp	12	0.17	394	0.023	1	0.70	0.003	0.02	0.2	0.01	1.0	0.1	<0.05	4	<0.5	<0.2
1370101	Soil Pulp	21	0.36	1403	0.002	1	1.16	0.004	0.07	<0.1	0.53	3.3	0.1	<0.05	3	4.7	<0.2
1370102	Soil Pulp	18	0.18	116	0.015	<1	0.80	0.002	0.03	0.1	0.06	1.2	<0.1	<0.05	4	1.0	<0.2
1370103	Soil Pulp	17	0.41	1072	0.010	3	1.14	0.005	0.05	0.1	0.22	2.0	<0.1	0.06	3	2.2	<0.2
1370104	Soil Pulp	15	0.37	3027	0.005	2	1.12	0.005	0.06	<0.1	0.19	2.5	0.1	0.08	3	1.6	<0.2
1370105	Soil Pulp	15	0.13	241	0.033	<1	0.74	0.003	0.04	0.3	0.01	1.1	0.1	<0.05	6	<0.5	<0.2
1370106	Soil Pulp	14	0.21	312	0.012	<1	0.72	0.003	0.04	0.1	0.02	1.0	0.1	<0.05	4	0.8	<0.2
1370107	Soil Pulp	16	0.23	669	0.005	1	0.75	0.002	0.03	<0.1	0.08	1.5	<0.1	<0.05	2	1.0	<0.2
1370108	Soil Pulp	14	0.20	393	0.006	2	0.60	0.002	0.04	<0.1	0.03	1.2	<0.1	<0.05	2	1.0	<0.2
1370109	Soil Pulp	21	0.29	1948	0.003	2	1.02	0.004	0.08	<0.1	0.34	2.9	<0.1	<0.05	3	2.0	<0.2
1370110	Soil Pulp	15	0.31	1587	0.005	5	0.91	0.006	0.05	<0.1	0.27	2.1	<0.1	0.14	2	3.5	<0.2
1370111	Soil Pulp	14	0.16	289	0.010	1	0.74	0.002	0.04	<0.1	0.03	1.1	<0.1	<0.05	4	1.6	<0.2
1370112	Soil Pulp	19	0.28	811	0.014	2	1.08	0.004	0.05	0.2	0.07	1.6	0.1	<0.05	4	0.9	<0.2
1370113	Soil Pulp	18	0.11	392	0.005	4	0.58	0.003	0.05	<0.1	0.11	1.3	<0.1	<0.05	3	1.7	<0.2
1370114	Soil Pulp	12	0.09	264	0.009	<1	0.64	0.004	0.04	0.1	0.05	0.5	0.1	<0.05	4	0.8	<0.2
1370115	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1370116	Soil Pulp	45	0.20	149	0.004	1	1.17	0.002	0.03	<0.1	0.08	1.3	<0.1	<0.05	3	1.2	<0.2
1370117	Soil Pulp	15	0.14	211	0.011	1	0.70	0.002	0.04	0.1	0.03	1.1	<0.1	<0.05	4	1.1	<0.2
1370118	Soil Pulp	15	0.08	121	0.030	<1	0.78	0.002	0.03	0.1	0.02	1.1	0.1	<0.05	6	<0.5	<0.2
1370201	Soil Pulp	9	0.03	836	0.011	1	0.42	0.003	0.06	0.1	0.16	0.8	0.4	<0.05	3	5.3	<0.2
1370202	Soil Pulp	20	0.07	1076	0.011	<1	0.82	0.005	0.05	0.2	0.10	0.6	0.3	<0.05	5	2.2	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1370203	Soil Pulp	6.5	10.5	15.2	63	1.9	8.9	2.1	62	1.99	18.8	<0.5	1.5	22	0.3	4.3	0.3	141	0.05	0.152
1370204	Soil Pulp	2.1	18.1	8.7	14	4.5	9.5	0.3	8	0.62	0.5	3.0	0.1	76	0.3	2.4	0.2	26	0.08	0.087
1370205	Soil Pulp	8.4	26.0	19.4	51	1.5	10.0	2.2	56	2.56	27.1	7.7	1.8	57	0.1	4.7	0.4	46	0.02	0.107
1370206	Soil Pulp	2.6	28.9	11.9	46	1.3	9.0	2.4	63	2.82	14.3	2.3	1.5	9	<0.1	1.8	0.3	54	0.03	0.063
1370207	Soil Pulp	3.4	28.7	13.8	66	2.2	10.8	2.8	70	3.34	16.6	3.5	3.6	10	0.2	2.2	0.3	72	0.02	0.055
1370208	Soil Pulp	4.8	31.8	15.5	56	1.1	11.9	2.9	49	2.67	26.2	5.0	2.8	18	<0.1	3.7	0.3	42	0.01	0.082
1370209	Soil Pulp	2.9	25.6	11.9	49	1.0	10.4	2.9	92	2.37	19.9	2.2	0.8	14	<0.1	2.1	0.3	44	0.03	0.047
1370210	Soil Pulp	2.8	17.0	10.1	35	0.9	6.2	1.5	50	1.27	11.5	0.6	0.3	17	0.1	1.4	0.2	47	0.02	0.040
1370211	Soil Pulp	2.4	24.3	15.5	77	1.5	15.1	5.0	253	3.03	15.9	2.0	1.0	22	0.3	1.4	0.3	76	0.06	0.078
1370212	Soil Pulp	3.4	42.2	12.9	69	1.2	14.6	3.2	91	2.99	26.5	7.8	1.0	33	0.2	3.4	0.2	51	0.04	0.109
1370213	Soil Pulp	6.9	11.8	14.1	37	7.2	7.3	1.7	43	1.88	18.0	2.8	2.1	23	0.2	4.3	0.3	140	0.05	0.183
1370214	Soil Pulp	3.8	29.2	12.9	38	0.8	8.0	1.8	70	1.86	14.7	5.4	0.3	27	0.1	1.3	0.3	48	0.03	0.066
1370215	Soil Pulp	3.2	18.2	14.1	44	0.7	8.9	2.4	88	2.96	19.5	1.5	2.2	11	<0.1	1.7	0.4	89	0.02	0.047
1370216	Soil Pulp	3.0	23.0	13.3	56	0.4	10.7	2.7	102	3.56	17.1	1.4	1.1	15	<0.1	2.0	0.3	61	0.02	0.058
1370217	Soil Pulp	2.2	18.2	12.1	53	0.5	11.3	3.0	140	2.51	11.0	1.7	0.5	13	0.2	1.2	0.3	59	0.03	0.052
1370218	Soil Pulp	2.2	25.2	11.5	44	0.7	10.6	2.6	200	2.16	11.7	<0.5	0.4	24	0.2	1.3	0.3	57	0.10	0.043
1370219	Soil Pulp	2.2	25.3	7.2	27	1.5	7.0	1.0	53	1.53	11.1	1.2	0.3	10	0.2	1.1	0.2	36	0.03	0.078
1370220	Soil Pulp	5.5	26.6	17.5	64	1.4	14.3	3.0	122	3.26	23.4	2.4	1.9	43	0.3	2.7	0.3	76	0.05	0.133
1370221	Soil Pulp	2.0	101.9	19.1	125	1.8	34.8	6.6	1100	4.40	22.7	8.3	0.8	83	0.3	2.4	0.2	52	0.06	0.198
1370222	Soil Pulp	2.5	25.0	13.4	49	0.5	7.3	2.0	183	1.55	24.8	5.2	1.6	31	0.4	3.1	0.4	35	0.04	0.054
1370223	Soil Pulp	3.2	22.5	14.9	53	1.4	10.1	2.6	136	2.62	30.6	5.1	0.5	21	0.1	2.9	0.3	63	0.04	0.079
1370224	Soil Pulp	2.5	16.3	9.6	52	1.1	8.3	2.0	233	1.43	13.5	1.6	0.5	21	0.1	1.5	0.2	56	0.06	0.038
1370225	Soil Pulp	1.6	9.5	9.3	29	1.0	6.3	2.1	98	1.89	8.2	<0.5	3.6	10	<0.1	0.9	0.2	62	0.04	0.030
1370226	Soil Pulp	1.3	12.8	10.2	43	0.2	8.7	2.4	108	2.36	7.6	2.1	1.0	7	0.1	0.7	0.3	65	0.04	0.044
1370227	Soil Pulp	2.6	47.2	10.1	57	0.4	15.8	2.5	39	1.51	16.9	3.1	0.1	22	0.5	1.9	0.2	44	0.03	0.046
1370228	Soil Pulp	2.2	35.2	12.1	75	0.3	14.6	4.3	145	2.60	12.7	<0.5	0.2	11	0.2	1.1	0.3	52	0.02	0.072
1370229	Soil Pulp	1.5	20.2	9.2	41	0.6	7.6	1.9	56	1.52	6.4	2.2	0.9	10	0.1	0.7	0.2	48	0.03	0.030
1370230	Soil Pulp	2.7	120.5	16.6	110	1.2	37.8	4.5	112	2.90	14.7	10.8	1.9	110	0.3	1.7	0.3	35	0.16	0.070
1370231	Soil Pulp	2.9	46.3	10.1	65	0.3	16.7	3.5	115	3.04	13.7	3.0	1.2	11	<0.1	1.4	0.3	43	0.02	0.052
1370232	Soil Pulp	5.1	81.4	22.6	75	1.5	36.1	23.2	696	3.41	18.7	18.6	1.3	185	0.4	1.9	0.3	31	0.51	0.093



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1370203	Soil Pulp	15	0.08	734	0.028	2	0.83	0.004	0.07	0.2	0.08	1.0	0.3	0.06	6	2.0	<0.2
1370204	Soil Pulp	9	0.03	2305	0.002	4	0.38	0.004	0.04	<0.1	0.62	0.3	0.8	0.13	2	8.4	<0.2
1370205	Soil Pulp	11	0.07	1494	0.009	3	0.60	0.008	0.08	0.1	0.11	0.9	0.3	0.10	4	3.0	<0.2
1370206	Soil Pulp	14	0.07	213	0.016	3	0.70	0.005	0.04	0.2	0.07	0.9	0.1	<0.05	5	2.6	<0.2
1370207	Soil Pulp	21	0.11	206	0.018	1	1.48	0.003	0.05	0.2	0.09	1.7	0.2	<0.05	6	2.3	<0.2
1370208	Soil Pulp	10	0.05	296	0.006	3	0.51	0.005	0.05	<0.1	0.06	1.0	<0.1	<0.05	3	1.4	<0.2
1370209	Soil Pulp	12	0.05	399	0.008	2	0.58	0.004	0.06	<0.1	0.03	0.8	0.1	<0.05	4	1.4	<0.2
1370210	Soil Pulp	10	0.04	233	0.012	2	0.46	0.003	0.04	<0.1	0.03	0.3	0.1	<0.05	4	<0.5	<0.2
1370211	Soil Pulp	28	0.25	335	0.029	3	2.06	0.005	0.08	0.2	0.11	1.7	0.2	<0.05	7	<0.5	<0.2
1370212	Soil Pulp	17	0.16	348	0.013	3	0.91	0.006	0.06	0.1	0.06	1.3	0.1	0.08	3	2.8	0.3
1370213	Soil Pulp	17	0.07	758	0.027	1	0.85	0.003	0.07	0.2	0.18	1.2	0.4	<0.05	7	1.6	<0.2
1370214	Soil Pulp	15	0.08	447	0.009	4	0.71	0.005	0.07	0.1	0.06	0.5	0.1	0.07	4	0.5	<0.2
1370215	Soil Pulp	16	0.07	352	0.031	2	0.85	0.003	0.06	0.1	0.03	1.1	0.1	<0.05	7	<0.5	<0.2
1370216	Soil Pulp	22	0.11	483	0.017	2	1.12	0.004	0.07	0.1	0.02	1.1	0.1	<0.05	6	1.1	<0.2
1370217	Soil Pulp	18	0.11	379	0.014	2	1.00	0.004	0.06	0.1	0.04	0.8	<0.1	<0.05	6	0.6	<0.2
1370218	Soil Pulp	13	0.06	584	0.016	2	0.71	0.004	0.06	0.1	0.04	0.7	0.1	<0.05	4	0.7	<0.2
1370219	Soil Pulp	11	0.02	1001	0.004	2	0.46	0.004	0.05	<0.1	0.03	0.3	<0.1	<0.05	2	1.1	0.2
1370220	Soil Pulp	23	0.14	624	0.011	1	1.35	0.004	0.11	0.2	0.09	1.7	0.2	0.08	6	1.7	0.2
1370221	Soil Pulp	21	0.09	2826	0.008	3	1.36	0.005	0.10	<0.1	0.08	1.8	0.2	0.09	4	2.0	<0.2
1370222	Soil Pulp	9	0.03	910	0.012	2	0.45	0.004	0.08	0.1	0.03	0.9	0.1	<0.05	3	0.9	<0.2
1370223	Soil Pulp	19	0.14	538	0.012	2	1.05	0.004	0.09	0.1	0.06	0.9	0.2	0.06	5	0.6	<0.2
1370224	Soil Pulp	12	0.05	649	0.012	<1	0.61	0.004	0.05	0.1	0.03	0.5	0.1	<0.05	4	0.7	<0.2
1370225	Soil Pulp	16	0.14	137	0.032	1	0.99	0.004	0.04	0.2	0.03	1.3	0.1	<0.05	6	<0.5	<0.2
1370226	Soil Pulp	17	0.14	236	0.016	<1	1.09	0.004	0.05	0.2	0.02	1.1	0.1	<0.05	6	<0.5	<0.2
1370227	Soil Pulp	12	0.03	887	0.003	3	0.53	0.004	0.06	<0.1	0.04	0.6	0.1	<0.05	3	0.8	<0.2
1370228	Soil Pulp	17	0.08	654	0.010	2	0.97	0.005	0.08	0.1	0.04	0.8	0.1	<0.05	5	0.7	<0.2
1370229	Soil Pulp	11	0.05	458	0.009	2	0.66	0.003	0.05	<0.1	0.03	0.9	<0.1	<0.05	4	<0.5	0.2
1370230	Soil Pulp	24	0.39	2994	0.003	5	1.46	0.006	0.12	<0.1	0.26	3.3	0.2	0.08	4	2.0	<0.2
1370231	Soil Pulp	19	0.28	312	0.007	<1	1.04	0.004	0.06	<0.1	0.04	1.1	0.1	<0.05	5	0.9	<0.2
1370232	Soil Pulp	18	0.29	2446	0.002	3	1.12	0.007	0.10	0.1	0.41	3.1	0.2	0.10	3	4.8	0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1370233	Soil Pulp	2.3	105.8	20.8	39	2.4	26.5	2.1	33	1.63	7.5	3.4	0.3	65	0.7	1.0	0.3	40	0.14	0.060
1370234	Soil Pulp	2.1	56.4	8.3	63	0.5	16.9	2.9	55	2.49	16.3	3.6	1.8	33	<0.1	1.8	0.2	26	0.01	0.031
1370235	Soil Pulp	2.2	43.7	17.2	61	0.2	11.9	4.3	137	3.48	8.5	0.6	3.1	8	0.1	1.0	0.4	92	0.05	0.029
1370236	Soil Pulp	1.6	13.8	9.4	34	0.4	6.9	2.2	130	1.88	9.9	2.2	2.4	9	0.1	1.1	0.3	63	0.04	0.052
1370237	Soil Pulp	2.6	113.4	18.7	89	0.7	29.3	11.2	423	2.68	12.1	4.9	1.7	132	0.3	1.9	0.3	33	0.21	0.089
1370238	Soil Pulp	3.0	36.1	11.0	60	1.0	16.7	1.8	68	2.11	14.1	3.9	1.3	68	<0.1	1.4	0.2	30	0.11	0.043
1370239	Soil Pulp	2.4	49.2	12.9	67	0.4	20.4	3.6	83	2.46	11.8	5.5	2.0	48	<0.1	1.4	0.2	21	0.04	0.054
1370240	Soil Pulp	4.0	40.1	15.8	55	0.5	13.5	3.0	83	2.71	16.7	3.8	1.0	20	0.1	1.9	0.3	46	0.02	0.062
1370241	Soil Pulp	5.7	67.5	14.3	121	0.8	31.8	7.4	298	2.95	20.0	3.8	0.8	57	0.9	3.5	0.3	46	0.07	0.090
1370242	Soil Pulp	5.7	55.2	11.7	158	0.7	33.0	7.3	197	2.90	17.7	1.4	4.0	66	0.7	3.9	0.2	44	0.18	0.087
1180811	Soil Pulp	3.5	49.9	16.6	119	0.4	30.2	13.7	376	3.07	20.2	3.3	2.1	70	0.8	3.1	0.2	24	1.16	0.163
1180812	Soil Pulp	1.7	34.8	9.6	84	0.2	25.3	9.3	465	2.07	8.1	3.4	2.8	47	0.3	1.3	0.1	35	0.88	0.108
1180813	Soil Pulp	25.6	48.2	14.4	463	1.6	52.2	2.4	312	2.24	44.8	7.0	0.9	97	10.5	29.8	0.2	113	0.10	0.099
1180977	Soil Pulp	3.1	56.8	13.9	95	0.3	33.7	15.1	331	3.20	10.5	4.0	3.3	55	0.4	1.8	0.2	23	0.94	0.158
1180979	Soil Pulp	1.4	33.2	9.0	72	0.2	23.9	9.5	356	2.10	11.4	2.7	2.6	63	0.4	1.6	0.1	31	0.95	0.124
1180980	Soil Pulp	2.4	50.2	12.1	96	0.3	28.9	11.8	412	2.55	21.8	4.6	4.0	42	0.5	2.7	0.1	34	0.63	0.134
1180981	Soil Pulp	6.3	67.6	13.2	356	0.6	63.2	11.8	448	2.82	24.8	4.9	2.9	61	3.2	4.5	0.2	49	0.70	0.175
1180982	Soil Pulp	2.8	40.9	11.6	118	0.3	29.3	11.0	416	2.66	23.2	4.3	3.1	51	0.7	2.3	0.2	37	0.70	0.175
1180985	Soil Pulp	2.4	53.6	11.7	125	0.2	34.0	8.3	302	2.79	16.3	4.7	2.7	49	0.4	2.2	0.2	26	0.09	0.055
1180983	Soil Pulp	2.6	46.0	11.1	106	0.3	30.5	10.9	277	2.57	45.2	7.0	3.6	54	0.5	3.4	0.1	29	0.89	0.182
1180987	Soil Pulp	6.9	37.5	10.8	92	1.6	25.6	2.7	68	2.23	17.6	2.3	1.5	104	0.6	4.4	0.2	44	0.22	0.101
1181034	Soil Pulp	7.6	54.1	13.1	326	1.4	64.9	8.8	601	2.85	23.3	2.4	5.8	70	3.3	4.1	0.2	18	0.65	0.088
1181035	Soil Pulp	3.9	56.4	12.6	142	1.1	46.4	10.8	880	2.59	12.2	4.4	2.3	127	1.7	1.9	0.2	22	1.27	0.135
1181036	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1181037	Soil Pulp	3.4	55.9	12.9	124	1.6	21.2	10.1	692	2.01	29.7	17.6	1.1	81	1.3	1.6	0.2	53	1.10	0.116
1181038	Soil Pulp	15.0	69.4	12.8	348	1.0	73.6	11.7	355	2.57	21.1	26.7	2.7	91	1.5	6.4	0.2	41	1.22	0.066
1181039	Soil Pulp	3.2	24.2	15.7	45	0.7	11.5	1.3	26	0.86	4.2	3.0	0.6	102	0.3	0.9	0.2	33	0.04	0.069
1181040	Soil Pulp	10.3	41.9	11.6	139	1.0	18.7	3.2	165	1.94	18.5	9.2	1.0	8	0.5	2.5	0.2	77	0.05	0.110
1181041	Soil Pulp	8.9	49.4	13.8	187	0.3	36.8	6.3	177	2.60	23.7	4.6	1.6	41	0.9	3.6	0.3	69	0.04	0.064
1181042	Soil Pulp	21.9	68.9	18.7	282	2.4	58.1	4.1	65	1.64	14.8	6.4	1.1	70	4.0	4.5	0.2	62	0.21	0.142



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1370233	Soil Pulp	15	0.07	1800	0.004	2	0.88	0.007	0.08	<0.1	0.12	0.9	0.1	0.07	3	1.9	<0.2
1370234	Soil Pulp	13	0.19	2269	0.004	<1	0.67	0.002	0.04	<0.1	0.04	1.1	<0.1	0.07	3	1.3	<0.2
1370235	Soil Pulp	28	0.20	329	0.024	1	1.65	0.004	0.05	0.2	0.03	2.1	0.2	<0.05	9	<0.5	<0.2
1370236	Soil Pulp	16	0.09	197	0.033	<1	0.76	0.004	0.05	0.2	0.03	1.0	0.1	<0.05	6	0.6	<0.2
1370237	Soil Pulp	21	0.28	3005	0.005	6	1.14	0.007	0.14	<0.1	0.20	3.1	0.2	0.11	3	5.0	<0.2
1370238	Soil Pulp	16	0.25	2002	0.003	2	0.80	0.003	0.08	<0.1	0.23	1.2	<0.1	0.06	3	1.9	<0.2
1370239	Soil Pulp	18	0.30	2112	0.002	3	0.84	0.003	0.04	<0.1	0.15	1.9	<0.1	0.06	2	1.7	<0.2
1370240	Soil Pulp	16	0.14	522	0.007	<1	0.85	0.004	0.06	0.2	0.08	1.0	0.1	<0.05	4	0.9	<0.2
1370241	Soil Pulp	20	0.28	2069	0.008	2	0.94	0.004	0.06	0.1	0.30	1.4	0.2	0.06	3	3.0	<0.2
1370242	Soil Pulp	20	0.33	1878	0.023	2	0.88	0.007	0.07	0.2	0.26	2.5	0.2	<0.05	3	3.2	<0.2
1180811	Soil Pulp	13	0.56	186	0.004	2	0.89	0.005	0.12	<0.1	0.19	2.6	<0.1	0.09	2	1.4	<0.2
1180812	Soil Pulp	18	0.45	252	0.016	1	0.99	0.007	0.09	0.1	0.09	2.5	0.1	<0.05	3	<0.5	<0.2
1180813	Soil Pulp	8	0.06	531	0.002	1	0.33	0.003	0.12	<0.1	0.20	1.1	1.0	0.28	1	11.6	<0.2
1180977	Soil Pulp	15	0.56	190	0.006	1	0.95	0.005	0.12	<0.1	0.20	2.9	0.1	0.05	3	0.8	<0.2
1180979	Soil Pulp	17	0.54	301	0.016	2	0.89	0.008	0.11	<0.1	0.11	2.4	<0.1	<0.05	3	0.9	<0.2
1180980	Soil Pulp	16	0.44	269	0.018	13	0.92	0.007	0.10	0.1	0.16	3.1	<0.1	<0.05	3	0.6	<0.2
1180981	Soil Pulp	17	0.50	378	0.007	2	0.94	0.004	0.13	<0.1	0.26	2.6	0.2	<0.05	3	1.5	<0.2
1180982	Soil Pulp	16	0.51	286	0.008	2	1.01	0.004	0.12	<0.1	0.12	2.5	0.1	<0.05	3	1.0	<0.2
1180985	Soil Pulp	17	0.37	1018	0.003	<1	0.83	0.003	0.03	<0.1	0.09	1.7	<0.1	<0.05	2	1.1	<0.2
1180983	Soil Pulp	15	0.53	237	0.008	2	0.86	0.004	0.12	<0.1	0.13	2.7	<0.1	<0.05	2	1.1	<0.2
1180987	Soil Pulp	14	0.20	1694	0.008	1	0.66	0.003	0.06	0.1	0.42	1.5	0.4	0.11	2	4.9	<0.2
1181034	Soil Pulp	7	0.10	347	0.004	2	0.47	0.003	0.08	<0.1	0.91	2.1	0.2	<0.05	1	2.5	<0.2
1181035	Soil Pulp	9	0.14	595	0.004	3	0.48	0.004	0.08	<0.1	0.79	2.4	0.2	0.08	1	3.9	<0.2
1181036	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1181037	Soil Pulp	19	0.37	957	0.006	<1	1.05	0.004	0.08	<0.1	0.50	3.0	0.2	0.08	3	1.8	<0.2
1181038	Soil Pulp	12	0.31	695	0.002	1	0.65	0.002	0.09	<0.1	0.43	3.3	0.2	0.06	1	3.8	<0.2
1181039	Soil Pulp	11	0.05	201	0.004	<1	0.54	0.004	0.05	<0.1	0.09	0.8	0.1	0.05	3	1.0	<0.2
1181040	Soil Pulp	15	0.15	209	0.010	<1	0.82	0.002	0.07	0.1	0.13	1.2	0.2	<0.05	5	1.7	<0.2
1181041	Soil Pulp	19	0.16	214	0.008	<1	0.84	0.004	0.08	0.1	0.07	1.7	0.2	<0.05	4	1.8	<0.2
1181042	Soil Pulp	13	0.09	287	0.003	<1	0.61	0.003	0.06	<0.1	0.81	1.2	0.4	<0.05	2	3.4	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	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
1181043	Soil Pulp	29.4	80.9	17.0	624	2.3	102.8	11.8	528	3.16	40.6	10.8	1.0	75	5.7	8.9	0.3	89	0.30	0.173
1181044	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1181045	Soil Pulp	7.2	60.4	12.4	281	0.9	54.7	10.8	394	2.88	20.5	6.3	1.7	60	1.5	3.6	0.2	69	0.12	0.169
1181046	Soil Pulp	28.1	102.7	10.4	885	2.9	160.8	15.9	369	3.06	18.8	3.9	1.9	57	6.6	8.6	0.2	82	1.11	0.114
1181047	Soil Pulp	52.5	111.8	10.6	1070	1.5	187.1	13.7	382	3.68	31.8	5.2	1.9	54	7.3	16.4	0.2	129	0.98	0.140
1181048	Soil Pulp	6.6	64.2	10.5	295	1.0	56.5	10.7	388	2.65	15.3	6.2	3.0	47	1.8	3.4	0.2	56	0.33	0.133
1181049	Soil Pulp	10.7	64.1	11.4	703	2.7	103.2	13.4	392	3.76	18.5	7.7	1.3	41	5.0	4.2	0.2	62	0.26	0.123
1181050	Soil Pulp	6.5	67.4	10.9	137	0.3	32.6	6.6	176	2.04	11.1	1.9	1.0	40	1.0	2.3	0.2	53	0.18	0.073
1181051	Soil Pulp	8.4	80.4	11.6	367	4.8	82.9	9.1	284	2.59	36.8	7.8	0.9	138	3.1	6.5	0.2	63	1.86	0.115
1181052	Soil Pulp	2.7	44.2	13.8	105	1.8	31.9	3.7	56	1.84	8.0	2.6	1.9	27	0.3	2.0	0.3	19	0.05	0.048
1181053	Soil Pulp	4.7	40.5	12.0	95	2.5	15.7	2.0	67	1.09	9.0	1.9	0.4	35	3.3	1.7	0.2	61	0.15	0.056
1181054	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1181055	Soil Pulp	7.4	43.8	8.5	480	3.5	90.6	7.7	208	1.99	15.1	3.9	1.7	86	3.2	3.8	0.1	170	0.93	0.164
1181056	Soil Pulp	2.5	64.3	8.7	13	7.7	25.6	0.6	12	0.45	2.8	4.7	0.1	28	1.4	3.5	0.2	186	0.35	0.082
1181057	Soil Pulp	11.5	45.2	6.7	385	1.7	87.7	26.5	541	5.69	14.3	4.2	1.0	151	3.0	3.9	0.1	104	1.58	0.154



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181043	Soil Pulp	18	0.15	519	0.003	1	0.73	0.003	0.09	<0.1	0.46	2.3	0.3	0.06	2	7.0	<0.2
1181044	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1181045	Soil Pulp	23	0.19	391	0.003	1	0.81	0.003	0.08	<0.1	0.19	2.4	0.2	<0.05	3	3.3	<0.2
1181046	Soil Pulp	23	0.26	385	0.003	<1	0.53	0.004	0.05	<0.1	1.13	4.9	0.1	<0.05	1	6.0	<0.2
1181047	Soil Pulp	19	0.17	417	0.002	<1	0.43	0.003	0.05	<0.1	2.09	4.9	0.3	<0.05	1	10.1	<0.2
1181048	Soil Pulp	24	0.30	669	0.007	2	0.97	0.004	0.09	<0.1	0.33	3.3	0.1	<0.05	3	2.6	<0.2
1181049	Soil Pulp	20	0.12	467	0.002	2	0.61	0.003	0.08	<0.1	0.69	3.7	0.1	<0.05	2	3.9	<0.2
1181050	Soil Pulp	19	0.14	251	0.004	<1	0.53	0.003	0.08	<0.1	0.04	1.1	0.1	<0.05	3	1.1	<0.2
1181051	Soil Pulp	19	0.28	517	0.002	3	0.42	0.004	0.05	<0.1	0.76	2.6	0.1	0.12	1	5.3	<0.2
1181052	Soil Pulp	6	0.02	119	0.001	<1	0.27	0.002	0.04	<0.1	0.04	1.4	<0.1	<0.05	1	1.4	<0.2
1181053	Soil Pulp	14	0.10	222	0.014	<1	0.59	0.003	0.05	0.1	0.14	0.7	0.2	<0.05	5	2.4	<0.2
1181054	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1181055	Soil Pulp	37	0.47	527	0.048	3	0.89	0.003	0.10	<0.1	0.37	3.3	0.4	<0.05	3	5.5	<0.2
1181056	Soil Pulp	47	0.03	218	0.004	2	0.35	0.006	0.05	0.1	0.78	0.2	0.3	<0.05	2	3.2	<0.2
1181057	Soil Pulp	39	0.52	951	0.012	3	1.66	0.005	0.15	<0.1	0.24	10.1	0.2	<0.05	6	4.8	<0.2



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QUALITY CONTROL REPORT

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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1183634	Soil Pulp	2.4	29.8	13.9	73	0.1	18.7	9.0	285	3.23	19.1	1.5	3.0	14	0.3	1.5	0.2	37	0.17	0.119	18
REP 1183634	QC	2.5	29.5	13.7	66	0.1	18.7	8.5	276	2.99	18.5	2.1	2.8	14	0.3	1.5	0.2	35	0.16	0.114	17
1183654	Soil Pulp	5.3	53.3	25.9	44	2.2	16.8	2.5	54	2.27	25.6	26.9	0.3	29	0.4	9.0	0.3	41	0.04	0.142	8
REP 1183654	QC	5.2	56.2	25.1	44	2.3	16.1	2.4	54	2.38	26.6	23.3	0.4	29	0.5	9.5	0.3	39	0.04	0.143	9
1183676	Soil Pulp	3.6	33.9	14.5	55	0.8	13.9	2.7	72	2.96	22.5	4.2	2.2	13	<0.1	2.6	0.3	41	0.01	0.065	8
REP 1183676	QC	3.1	32.1	14.5	54	0.8	13.6	2.3	72	2.83	21.7	3.3	2.1	12	<0.1	2.7	0.2	38	<0.01	0.065	7
1183683	Soil Pulp	5.6	26.0	17.9	121	0.4	20.1	5.7	248	4.26	21.7	1.4	2.6	7	0.2	1.9	0.3	77	0.02	0.073	7
REP 1183683	QC	5.3	25.4	18.8	119	0.4	20.1	6.2	247	4.22	21.2	1.3	2.6	7	0.3	1.9	0.3	77	0.02	0.076	7
1185746	Soil Pulp	1.7	37.7	30.2	66	0.4	22.7	9.4	556	1.85	11.4	3.8	1.1	92	0.6	4.5	0.2	25	1.65	0.103	10
REP 1185746	QC	1.6	39.5	29.4	66	0.4	21.9	9.0	538	1.78	10.6	4.2	1.1	90	0.6	4.5	0.2	26	1.56	0.102	11
1185843	Soil Pulp	3.2	45.3	13.3	124	0.7	34.5	15.3	463	2.97	17.9	3.1	3.8	64	0.6	2.2	0.2	36	0.95	0.100	22
REP 1185843	QC	3.4	43.1	13.5	122	0.8	35.2	15.5	459	2.95	17.6	3.6	3.9	63	0.6	2.1	0.2	36	0.95	0.102	21
1185871	Soil Pulp	1.4	31.6	11.3	18	0.2	2.1	0.6	38	1.35	9.4	14.5	0.5	27	<0.1	1.8	0.3	13	<0.01	0.042	2
REP 1185871	QC	1.2	32.7	11.9	18	0.2	2.1	0.6	39	1.36	9.7	15.1	0.5	28	<0.1	1.8	0.3	14	<0.01	0.046	2
1185877	Soil Pulp	22.7	33.9	22.8	138	3.6	16.2	1.6	57	2.04	28.5	7.1	0.4	106	0.7	38.4	0.3	123	0.03	0.135	10
REP 1185877	QC	24.1	37.7	22.5	147	3.9	18.0	1.7	61	2.21	30.9	5.5	0.4	108	0.8	39.8	0.3	131	0.03	0.136	10
1370007	Soil Pulp	2.9	29.7	21.2	73	1.2	14.4	4.2	200	5.04	17.0	4.4	2.3	17	0.1	1.8	0.4	59	0.05	0.061	8
REP 1370007	QC	2.8	27.5	21.1	69	1.2	13.5	4.0	190	4.91	16.7	4.5	2.4	16	0.2	1.7	0.4	56	0.04	0.056	7
1370110	Soil Pulp	1.3	54.3	10.4	67	0.7	29.9	5.8	521	1.67	9.4	6.1	0.7	179	0.3	2.6	0.2	20	1.39	0.082	4
REP 1370110	QC	1.1	57.1	10.8	72	0.7	30.5	6.1	534	1.72	9.2	9.0	0.7	177	0.3	2.6	0.2	19	1.50	0.086	4
1370206	Soil Pulp	2.6	28.9	11.9	46	1.3	9.0	2.4	63	2.82	14.3	2.3	1.5	9	<0.1	1.8	0.3	54	0.03	0.063	12
REP 1370206	QC	2.5	29.8	11.9	45	1.3	9.5	2.3	66	2.83	13.8	3.5	1.6	10	<0.1	1.9	0.3	57	0.03	0.063	13
1370230	Soil Pulp	2.7	120.5	16.6	110	1.2	37.8	4.5	112	2.90	14.7	10.8	1.9	110	0.3	1.7	0.3	35	0.16	0.070	6
REP 1370230	QC	2.9	117.7	16.3	105	1.3	38.8	4.4	112	2.92	14.1	11.4	1.8	105	0.6	1.7	0.3	32	0.14	0.067	6
1180980	Soil Pulp	2.4	50.2	12.1	96	0.3	28.9	11.8	412	2.55	21.8	4.6	4.0	42	0.5	2.7	0.1	34	0.63	0.134	22
REP 1180980	QC	2.6	50.5	12.3	96	0.4	30.4	12.4	440	2.61	22.2	6.7	4.1	43	0.5	2.8	0.2	35	0.61	0.140	22
1181048	Soil Pulp	6.6	64.2	10.5	295	1.0	56.5	10.7	388	2.65	15.3	6.2	3.0	47	1.8	3.4	0.2	56	0.33	0.133	16
REP 1181048	QC	6.9	68.0	11.1	323	1.1	59.7	11.4	421	2.85	15.9	5.7	3.1	48	1.9	3.5	0.2	55	0.33	0.138	15



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																	
1183634	Soil Pulp	17	0.49	174	0.006	3	1.29	0.003	0.11	<0.1	0.05	2.0	0.1	0.05	4	0.7	<0.2
REP 1183634	QC	16	0.48	169	0.006	2	1.24	0.003	0.11	<0.1	0.05	2.0	0.1	0.06	4	0.7	<0.2
1183654	Soil Pulp	17	0.19	437	0.006	3	1.09	0.003	0.06	0.1	1.20	0.8	0.6	0.07	4	5.5	<0.2
REP 1183654	QC	15	0.20	438	0.007	2	1.11	0.003	0.06	0.1	1.16	0.9	0.6	0.09	4	5.5	<0.2
1183676	Soil Pulp	15	0.15	294	0.009	<1	0.76	0.002	0.04	0.1	0.06	1.0	0.1	<0.05	3	2.6	<0.2
REP 1183676	QC	14	0.15	277	0.008	<1	0.72	0.002	0.03	0.1	0.04	1.0	0.1	<0.05	3	2.0	<0.2
1183683	Soil Pulp	26	0.24	185	0.012	<1	1.46	0.002	0.04	0.3	0.03	1.5	0.1	<0.05	5	1.2	<0.2
REP 1183683	QC	27	0.24	188	0.011	<1	1.50	0.003	0.04	0.3	0.03	1.4	0.1	<0.05	5	1.3	<0.2
1185746	Soil Pulp	14	0.47	396	0.008	3	0.80	0.005	0.07	<0.1	0.13	1.6	<0.1	<0.05	2	0.9	<0.2
REP 1185746	QC	14	0.43	397	0.009	2	0.80	0.005	0.07	<0.1	0.10	1.7	<0.1	<0.05	2	1.2	<0.2
1185843	Soil Pulp	22	0.75	258	0.006	1	1.38	0.005	0.10	<0.1	0.14	3.0	0.1	<0.05	4	0.7	<0.2
REP 1185843	QC	21	0.75	254	0.005	1	1.37	0.005	0.10	<0.1	0.14	3.1	0.1	<0.05	4	0.6	<0.2
1185871	Soil Pulp	5	0.02	301	0.003	<1	0.21	0.002	0.03	<0.1	0.02	0.6	<0.1	0.05	1	<0.5	0.3
REP 1185871	QC	5	0.02	318	0.003	1	0.22	0.002	0.04	<0.1	0.03	0.6	<0.1	0.07	1	0.5	<0.2
1185877	Soil Pulp	11	0.15	737	0.003	2	0.49	0.003	0.10	<0.1	0.33	0.6	0.9	0.22	2	13.4	0.2
REP 1185877	QC	11	0.16	794	0.004	2	0.50	0.003	0.11	<0.1	0.34	0.6	0.9	0.22	2	13.9	<0.2
1370007	Soil Pulp	29	0.22	198	0.026	2	1.24	0.003	0.06	0.2	0.11	1.6	0.1	<0.05	6	2.1	<0.2
REP 1370007	QC	27	0.22	186	0.024	<1	1.18	0.003	0.05	0.2	0.10	1.5	0.1	<0.05	6	2.2	<0.2
1370110	Soil Pulp	15	0.31	1587	0.005	5	0.91	0.006	0.05	<0.1	0.27	2.1	<0.1	0.14	2	3.5	<0.2
REP 1370110	QC	16	0.32	1607	0.005	4	0.88	0.006	0.05	<0.1	0.30	2.1	<0.1	0.17	2	4.2	<0.2
1370206	Soil Pulp	14	0.07	213	0.016	3	0.70	0.005	0.04	0.2	0.07	0.9	0.1	<0.05	5	2.6	<0.2
REP 1370206	QC	15	0.08	248	0.016	3	0.73	0.004	0.05	0.2	0.06	1.0	0.1	<0.05	5	1.4	<0.2
1370230	Soil Pulp	24	0.39	2994	0.003	5	1.46	0.006	0.12	<0.1	0.26	3.3	0.2	0.08	4	2.0	<0.2
REP 1370230	QC	23	0.38	2773	0.003	5	1.46	0.006	0.11	<0.1	0.27	3.4	0.2	0.10	4	2.2	0.3
1180980	Soil Pulp	16	0.44	269	0.018	13	0.92	0.007	0.10	0.1	0.16	3.1	<0.1	<0.05	3	0.6	<0.2
REP 1180980	QC	17	0.46	269	0.017	1	0.91	0.007	0.10	0.1	0.16	3.3	<0.1	<0.05	3	0.8	<0.2
1181048	Soil Pulp	24	0.30	669	0.007	2	0.97	0.004	0.09	<0.1	0.33	3.3	0.1	<0.05	3	2.6	<0.2
REP 1181048	QC	24	0.31	674	0.005	<1	0.96	0.004	0.08	<0.1	0.36	3.2	0.1	<0.05	3	2.9	<0.2



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Project: CCJV

Report Date: August 23, 2011

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QUALITY CONTROL REPORT

VAN11003706.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1181055	Soil Pulp	7.4	43.8	8.5	480	3.5	90.6	7.7	208	1.99	15.1	3.9	1.7	86	3.2	3.8	0.1	170	0.93	0.164	13
REP 1181055	QC	8.1	44.9	8.6	489	3.4	92.6	7.9	209	2.01	15.1	4.5	1.7	87	3.2	3.9	0.2	165	0.93	0.168	13
Reference Materials																					
STD DS8	Standard	14.5	111.8	126.2	312	1.8	39.4	7.6	608	2.43	26.0	98.1	7.1	68	2.3	4.6	6.8	44	0.70	0.083	16
STD DS8	Standard	12.9	110.1	124.8	303	1.7	37.3	7.6	601	2.40	24.7	130.3	6.9	70	2.1	5.6	6.6	41	0.72	0.079	15
STD DS8	Standard	14.8	117.9	140.3	326	1.8	42.5	8.5	650	2.68	26.5	114.2	7.7	80	2.4	6.4	7.6	47	0.74	0.078	16
STD DS8	Standard	14.6	113.8	133.6	328	2.0	41.1	7.6	666	2.65	26.6	118.6	7.6	81	2.5	6.2	7.2	43	0.81	0.081	18
STD DS8	Standard	14.4	114.8	131.6	316	1.8	42.2	8.1	635	2.53	25.6	109.8	7.7	74	2.4	6.3	7.7	45	0.72	0.079	15
STD DS8	Standard	11.9	96.7	120.1	286	1.8	33.1	6.6	533	2.12	23.4	102.6	6.6	56	2.3	5.1	6.4	37	0.63	0.069	13
STD DS8	Standard	11.7	97.0	110.2	266	1.6	31.9	6.5	522	2.14	22.4	100.4	6.4	61	2.1	5.0	5.8	34	0.59	0.068	13
STD DS8	Standard	13.9	121.0	127.5	330	1.8	40.3	7.8	636	2.53	25.7	115.7	7.4	68	2.7	5.8	7.2	43	0.67	0.080	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Project: CCJV

Report Date: August 23, 2011

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QUALITY CONTROL REPORT

VAN11003706.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1181055	Soil Pulp	37	0.47	527	0.048	3	0.89	0.003	0.10	<0.1	0.37	3.3	0.4	<0.05	3	5.5	<0.2
REP 1181055	QC	37	0.46	539	0.048	4	0.89	0.003	0.10	<0.1	0.38	3.3	0.3	<0.05	3	5.0	<0.2
Reference Materials																	
STD DS8	Standard	123	0.60	271	0.127	2	0.92	0.084	0.41	2.8	0.19	2.5	5.2	0.14	5	5.0	5.0
STD DS8	Standard	116	0.60	275	0.113	2	0.91	0.088	0.42	3.0	0.21	2.2	5.4	0.15	5	4.6	5.4
STD DS8	Standard	130	0.65	309	0.130	2	0.95	0.099	0.43	3.2	0.21	2.6	5.6	0.16	5	4.9	5.0
STD DS8	Standard	125	0.68	308	0.127	3	1.05	0.113	0.47	3.1	0.21	3.3	5.6	0.14	5	6.2	5.8
STD DS8	Standard	131	0.62	280	0.129	2	0.89	0.084	0.43	3.3	0.22	2.3	5.6	0.11	5	5.3	4.8
STD DS8	Standard	101	0.52	256	0.104	2	0.79	0.078	0.38	2.8	0.19	2.0	5.0	0.13	4	5.2	4.3
STD DS8	Standard	96	0.52	242	0.103	2	0.78	0.089	0.37	2.7	0.18	2.1	5.0	0.15	4	5.5	4.5
STD DS8	Standard	122	0.65	283	0.122	2	0.91	0.093	0.43	2.9	0.19	2.2	5.7	0.17	5	4.7	5.1
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Confirmation Email List

Receiving Lab: Canada-Vancouver

Received: August 19, 2011

Report Date: September 20, 2011

Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN11004071.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number: AZ-05
Number of Samples: 22

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	22	Sorting of samples on arrival and labeling			VAN
1DX2	22	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

ADDITIONAL COMMENTS

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

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

CC: Report Email List



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



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Project: CCJV
Report Date: September 20, 2011

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CERTIFICATE OF ANALYSIS

VAN11004071.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	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
1180336	Soil Pulp	2.0	64.3	15.9	205	0.5	57.3	16.2	869	2.69	12.5	7.8	2.5	91	1.1	1.7	0.3	20	0.30	0.074
1180337	Soil Pulp	3.2	219.4	30.0	177	1.4	51.9	35.8	1662	3.30	18.7	21.2	1.5	183	0.5	3.2	0.4	28	0.42	0.107
1180339	Soil Pulp	3.9	113.6	11.0	258	0.5	56.5	21.0	896	2.90	15.4	3.1	2.7	54	1.7	2.9	0.2	31	0.12	0.069
1180445	Soil Pulp	3.6	89.2	10.3	221	0.4	51.4	17.2	630	2.56	14.1	2.8	2.4	50	1.4	2.8	0.2	28	0.11	0.068
1180446	Soil Pulp	3.5	167.5	27.2	219	1.2	62.2	12.4	780	4.83	33.1	24.4	1.8	164	0.6	3.4	0.4	40	0.28	0.166
1180447	Soil Pulp	3.6	80.4	17.1	107	2.2	40.5	2.6	79	2.37	19.1	16.0	1.4	94	0.9	2.9	0.2	40	0.16	0.112
1180448	Soil Pulp	2.0	77.7	12.4	155	0.4	45.1	10.0	400	2.41	12.6	6.5	1.8	48	0.7	1.7	0.2	24	0.15	0.062
1180449	Soil Pulp	2.4	51.8	11.8	149	0.4	30.6	7.5	513	2.28	14.6	6.8	1.7	55	0.9	1.9	0.2	24	0.15	0.058
1180478	Soil Pulp	4.9	25.7	16.7	92	0.1	29.0	13.8	656	3.57	20.5	<0.5	4.2	13	0.2	0.6	0.3	27	0.13	0.161
1180594	Soil Pulp	5.5	123.1	15.0	551	0.4	205.2	87.1	4108	3.19	19.1	5.5	2.2	60	3.4	1.8	0.2	23	0.19	0.085
1180595	Soil Pulp	3.1	106.8	14.7	158	1.6	36.3	6.7	226	2.59	26.0	15.7	1.3	51	0.5	3.9	0.2	23	0.06	0.077
1180756	Soil Pulp	4.5	74.9	16.3	181	1.1	43.8	10.0	645	3.08	24.9	7.7	2.0	98	1.2	3.8	0.3	42	0.20	0.102
1180757	Soil Pulp	2.7	120.2	18.1	139	0.3	52.6	19.0	972	3.25	13.6	5.7	2.9	34	0.3	1.4	0.2	19	0.09	0.066
1180758	Soil Pulp	2.1	223.4	18.3	137	3.3	37.3	10.1	649	18.63	22.2	27.7	3.0	44	0.1	3.4	0.3	23	0.03	0.089
1180984	Soil Pulp	6.3	40.0	17.8	124	0.9	25.8	5.6	247	3.24	23.3	4.4	2.0	45	0.3	3.7	0.3	47	0.08	0.107
1180986	Soil Pulp	4.5	73.4	12.4	298	0.8	61.4	20.7	678	2.79	18.3	4.8	2.0	64	1.9	3.5	0.2	32	0.16	0.079
1182457	Soil Pulp	2.8	79.2	17.8	132	0.3	43.4	9.8	695	2.89	22.5	5.6	0.8	75	0.6	2.0	0.3	25	0.28	0.095
1182458	Soil Pulp	3.8	110.6	18.7	155	0.3	49.4	11.7	479	3.11	33.6	16.3	2.2	75	0.5	3.9	0.4	29	0.23	0.086
1182459	Soil Pulp	6.4	63.9	13.3	178	0.8	27.7	9.0	581	2.15	18.4	6.7	1.6	83	1.4	6.5	0.2	39	0.11	0.099
1182460	Soil Pulp	6.1	90.1	11.9	93	2.5	17.2	4.5	250	2.11	18.2	10.9	1.1	43	0.6	6.2	0.2	33	0.06	0.121
1183182	Soil Pulp	4.2	28.9	15.4	103	0.2	25.1	8.5	218	2.98	16.5	3.0	3.8	34	0.4	2.1	0.2	34	0.30	0.136
1183625	Soil Pulp	2.9	22.6	10.1	73	0.2	13.9	5.3	307	2.15	15.9	1.4	0.2	11	0.2	1.9	0.2	46	0.06	0.117



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Project: CCJV
Report Date: September 20, 2011

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CERTIFICATE OF ANALYSIS

VAN11004071.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1180336	Soil Pulp	18	0.34	1400	0.002	1	0.97	0.004	0.04	<0.1	0.13	1.8	0.1	0.05	2	1.0	<0.2
1180337	Soil Pulp	19	0.26	1772	0.003	6	1.12	0.004	0.12	<0.1	0.44	4.3	0.2	0.09	3	9.4	<0.2
1180339	Soil Pulp	16	0.29	912	0.010	1	1.14	0.004	0.05	<0.1	0.16	1.8	0.1	<0.05	2	2.7	<0.2
1180445	Soil Pulp	14	0.28	867	0.007	<1	0.91	0.003	0.04	<0.1	0.15	1.5	<0.1	<0.05	2	2.4	<0.2
1180446	Soil Pulp	20	0.36	1565	0.003	2	1.52	0.003	0.06	<0.1	1.01	4.0	0.2	0.11	3	6.9	<0.2
1180447	Soil Pulp	14	0.17	2123	0.003	2	0.94	0.003	0.08	<0.1	0.56	2.1	0.2	0.08	2	6.7	<0.2
1180448	Soil Pulp	20	0.35	1005	0.006	1	0.94	0.004	0.05	<0.1	0.12	1.9	<0.1	<0.05	3	1.4	<0.2
1180449	Soil Pulp	15	0.26	974	0.005	1	0.72	0.004	0.04	<0.1	0.17	1.8	<0.1	<0.05	2	1.3	<0.2
1180478	Soil Pulp	23	0.56	432	0.002	1	1.64	0.005	0.08	<0.1	0.03	2.5	0.2	<0.05	5	<0.5	<0.2
1180594	Soil Pulp	23	0.35	758	0.004	1	2.42	0.003	0.04	<0.1	0.17	2.4	0.2	0.06	3	2.4	<0.2
1180595	Soil Pulp	13	0.14	1053	0.003	2	1.06	0.002	0.04	<0.1	0.32	2.0	0.1	<0.05	2	3.6	<0.2
1180756	Soil Pulp	18	0.31	2008	0.003	2	1.09	0.004	0.08	<0.1	0.37	2.4	0.2	<0.05	3	2.9	<0.2
1180757	Soil Pulp	21	0.48	338	0.004	<1	1.61	0.003	0.03	<0.1	0.07	2.4	<0.1	0.15	3	1.2	<0.2
1180758	Soil Pulp	33	0.12	169	0.002	2	0.83	0.003	0.05	<0.1	0.35	10.2	0.1	0.81	2	4.3	<0.2
1180984	Soil Pulp	20	0.27	1491	0.003	2	1.09	0.003	0.07	<0.1	0.31	1.7	0.2	<0.05	3	3.0	<0.2
1180986	Soil Pulp	16	0.28	1261	0.005	1	1.07	0.003	0.05	<0.1	0.26	2.0	0.2	<0.05	2	2.7	<0.2
1182457	Soil Pulp	21	0.40	776	0.005	2	1.11	0.004	0.05	<0.1	0.08	1.4	0.1	0.06	3	2.0	<0.2
1182458	Soil Pulp	24	0.43	1337	0.006	1	1.10	0.004	0.04	<0.1	0.14	2.2	0.1	0.06	3	1.4	<0.2
1182459	Soil Pulp	14	0.22	940	0.008	<1	0.90	0.003	0.04	0.1	0.14	1.3	0.3	0.07	2	3.5	<0.2
1182460	Soil Pulp	15	0.15	763	0.008	<1	1.39	0.003	0.05	0.1	0.23	1.3	0.3	0.09	2	4.1	<0.2
1183182	Soil Pulp	16	0.53	128	0.008	2	1.03	0.004	0.10	<0.1	0.07	1.7	<0.1	<0.05	3	0.7	<0.2
1183625	Soil Pulp	15	0.18	190	0.004	<1	0.98	0.003	0.08	0.1	0.04	0.3	0.2	<0.05	4	<0.5	<0.2



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Project: CCJV

Report Date: September 20, 2011

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QUALITY CONTROL REPORT

VAN11004071.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1180339	Soil Pulp	3.9	113.6	11.0	258	0.5	56.5	21.0	896	2.90	15.4	3.1	2.7	54	1.7	2.9	0.2	31	0.12	0.069	8
REP 1180339	QC	4.3	122.8	12.1	272	0.5	60.2	22.9	970	3.17	16.6	3.4	3.0	59	1.7	3.2	0.2	32	0.13	0.079	9
Reference Materials																					
STD DS8	Standard	12.1	103.5	118.5	296	1.7	35.1	7.0	574	2.32	23.9	120.6	6.6	59	2.1	5.3	6.8	40	0.64	0.077	14
STD DS8	Standard	12.8	104.8	125.4	311	1.8	38.4	7.3	611	2.46	25.4	139.0	6.9	69	2.6	6.1	6.8	39	0.73	0.081	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Project: CCJV

Report Date: September 20, 2011

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QUALITY CONTROL REPORT

VAN11004071.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1180339	Soil Pulp	16	0.29	912	0.010	1	1.14	0.004	0.05	<0.1	0.16	1.8	0.1	<0.05	2	2.7	<0.2
REP 1180339	QC	17	0.32	1053	0.011	2	1.24	0.004	0.05	0.1	0.18	2.0	0.1	0.06	2	3.0	<0.2
Reference Materials																	
STD DS8	Standard	108	0.57	254	0.105	3	0.83	0.077	0.40	2.8	0.18	1.8	5.3	0.15	4	4.6	4.7
STD DS8	Standard	112	0.66	274	0.107	2	0.91	0.090	0.41	3.1	0.20	1.9	5.5	0.17	5	4.8	4.9
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: K. Wayne Livingstone

Receiving Lab: Canada-Whitehorse

Received: August 08, 2011

Report Date: September 20, 2011

Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI11000904.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number: AZTEC_02
Number of Samples: 43

SAMPLE DISPOSAL

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

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

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	43	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	43	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	43	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. 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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Project: CCJV
Report Date: September 20, 2011

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CERTIFICATE OF ANALYSIS

WHI11000904.1

	Method Analyte	Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
			Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi
			kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm
			0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1
54751	Rock		1.26	2	2.1	15.2	18.5	46	0.2	18.3	5.4	463	1.97	6.9	3.9	3.4	181	0.3	0.2	<0.1
54752	Rock		1.18	<2	5.0	9.4	5.6	46	<0.1	16.7	6.4	1865	3.04	13.2	1.6	3.5	121	0.2	<0.1	<0.1
54753	Rock		1.25	<2	0.2	5.7	2.9	33	<0.1	2.9	1.3	251	0.79	0.8	2.2	0.5	79	0.2	<0.1	<0.1
54754	Rock		1.24	3	13.9	57.6	4.9	46	1.4	18.4	0.3	22	0.70	38.1	1.5	1.3	310	0.4	8.1	<0.1
54755	Rock		1.61	6	14.3	65.3	8.8	128	6.7	42.0	0.9	33	0.97	28.2	1.3	1.9	916	1.3	16.2	0.1
54756	Rock		0.99	32	0.6	576.7	18.0	494	0.2	91.0	10.0	4090	5.87	58.4	2.9	0.8	183	4.3	2.2	0.1
54757	Rock		1.40	<2	13.4	3.2	0.7	159	<0.1	28.1	3.1	2015	1.51	0.9	<0.5	0.6	1849	2.1	0.2	<0.1
54758	Rock		1.41	5	0.1	5.9	67.4	67	0.1	0.6	0.1	174	0.24	84.2	2.4	1.5	39	0.2	0.3	1.7
54759	Rock		0.77	16	0.3	59.1	9.6	95	0.5	25.8	5.4	125	2.02	6.2	4.3	5.4	13	<0.1	1.8	0.3
54760	Rock		1.34	<2	0.4	19.9	8.1	85	<0.1	14.7	7.6	254	2.29	1.4	1.8	5.7	123	0.2	0.1	0.1
54761	Rock		1.05	<2	0.2	3.0	2.3	13	<0.1	2.8	0.9	1056	0.65	0.6	3.5	0.7	532	0.1	<0.1	<0.1
54986	Rock		1.47	<2	0.4	20.7	3.6	34	<0.1	15.3	3.7	675	1.17	13.6	2.2	0.8	6	0.2	0.4	<0.1
54987	Rock		1.07	<2	0.6	24.0	3.1	49	<0.1	14.5	2.2	47	1.04	8.7	1.9	0.8	30	<0.1	1.4	<0.1
54988	Rock		1.14	<2	0.3	21.1	1.6	61	<0.1	20.0	2.2	53	0.83	7.6	0.9	0.6	14	0.2	0.9	<0.1
54989	Rock		1.34	<2	0.2	15.7	2.4	51	<0.1	18.1	2.1	36	1.32	1.3	1.0	0.4	16	<0.1	<0.1	<0.1
54990	Rock		1.37	2	0.8	15.3	1.2	34	<0.1	10.3	0.8	33	0.50	13.5	1.1	0.4	19	0.2	0.8	<0.1
54991	Rock		1.29	27	0.4	446.3	12.9	994	0.1	51.1	9.2	961	32.41	663.9	4.3	1.7	5	0.5	2.2	0.1
54992	Rock		1.40	4	0.7	71.5	18.0	49	<0.1	12.8	2.6	70	2.08	14.2	2.9	0.3	11	<0.1	0.3	0.1
54993	Rock		1.63	<2	0.4	11.9	4.2	14	<0.1	2.7	0.7	381	0.56	4.9	0.7	0.1	14	<0.1	0.3	<0.1
54994	Rock		1.40	6	8.2	60.9	9.9	19	0.2	9.6	2.7	46	0.65	45.0	1.0	0.1	28	<0.1	2.7	<0.1
54995	Rock		1.56	3	1.8	136.9	11.9	86	<0.1	21.6	4.8	104	2.78	23.2	3.2	1.3	41	<0.1	1.6	0.2
55070	Rock		0.77	8	0.4	16.0	6.5	81	<0.1	4.5	0.9	431	0.95	65.5	6.3	0.3	9	0.6	0.2	0.4
55071	Rock		0.77	<2	0.2	17.2	7.5	13	<0.1	2.9	1.5	357	0.75	2.8	<0.5	1.1	615	<0.1	0.2	<0.1
55072	Rock		0.61	<2	0.2	10.1	18.9	14	<0.1	3.2	0.9	351	1.07	1.1	0.9	0.4	67	<0.1	1.6	<0.1
55073	Rock		0.71	<2	0.7	9.8	1.7	16	<0.1	6.3	0.9	596	0.60	3.5	<0.5	0.3	4	<0.1	0.3	<0.1
55074	Rock		0.64	<2	0.6	6.6	1.0	55	0.2	6.0	0.5	32	0.52	1.6	<0.5	0.2	74	0.2	1.0	<0.1
55075	Rock		0.62	<2	1.4	3.2	0.5	4	<0.1	0.4	0.1	27	0.40	5.8	0.6	0.3	4	<0.1	1.2	<0.1
55076	Rock		0.73	4	84.3	94.2	21.2	845	0.3	95.5	8.4	114	13.01	170.3	1.1	2.8	45	2.5	28.5	0.2
55077	Rock		0.89	<2	2.4	2.6	2.2	3	0.1	1.2	0.1	24	0.55	11.3	0.9	0.9	22	<0.1	5.5	<0.1
55078	Rock		0.73	2	4.7	18.0	2.2	94	2.0	6.4	0.3	24	0.43	9.8	<0.5	0.6	354	1.0	6.3	<0.1



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Project: CCJV
Report Date: September 20, 2011

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CERTIFICATE OF ANALYSIS

WHI11000904.1

	Method	Analyte	Unit	MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX			
					P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
					%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
					0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
54751	Rock				0.083	5	7	0.83	64	0.003	<20	0.48	0.012	0.09	<0.1	0.11	0.1	0.91	3.0	<0.5	1	<0.2
54752	Rock				0.119	4	5	1.47	56	<0.001	<20	0.30	0.030	0.10	<0.1	0.22	<0.1	0.58	3.4	<0.5	<1	<0.2
54753	Rock				0.017	3	2	0.19	26	0.002	<20	0.26	0.006	0.03	<0.1	0.02	<0.1	<0.05	0.8	<0.5	<1	<0.2
54754	Rock				0.396	3	11	0.02	2790	0.003	<20	0.71	<0.001	0.06	<0.1	0.25	<0.1	0.11	1.4	7.3	<1	<0.2
54755	Rock				0.672	8	30	0.03	7832	0.028	<20	1.29	<0.001	0.08	0.1	0.50	0.2	<0.05	1.3	11.9	3	<0.2
54756	Rock				0.214	2	15	0.04	296	0.001	<20	1.73	0.002	0.07	0.4	0.09	<0.1	0.34	8.9	2.0	2	<0.2
54757	Rock				0.017	2	6	9.89	890	<0.001	<20	0.11	0.011	0.02	<0.1	0.06	<0.1	<0.05	1.3	<0.5	<1	<0.2
54758	Rock				0.008	3	<1	<0.01	38	<0.001	<20	0.32	0.043	0.34	<0.1	0.08	0.2	<0.05	0.2	<0.5	1	<0.2
54759	Rock				0.028	11	14	0.32	56	0.019	<20	0.58	0.011	0.24	<0.1	0.02	0.2	1.02	1.0	0.8	2	<0.2
54760	Rock				0.068	38	15	0.74	139	0.007	<20	1.11	0.024	0.20	<0.1	0.04	0.2	<0.05	2.5	<0.5	5	<0.2
54761	Rock				0.078	7	2	1.59	116	0.001	<20	0.12	0.003	0.03	<0.1	0.02	<0.1	<0.05	0.6	<0.5	<1	<0.2
54986	Rock				0.014	4	4	0.18	240	<0.001	<20	0.38	0.002	0.07	<0.1	0.02	<0.1	<0.05	1.4	1.2	<1	<0.2
54987	Rock				0.022	3	5	<0.01	115	<0.001	<20	0.09	0.002	0.02	<0.1	0.06	<0.1	<0.05	0.6	<0.5	<1	<0.2
54988	Rock				0.025	3	5	<0.01	131	<0.001	<20	0.14	0.001	<0.01	<0.1	0.03	<0.1	<0.05	1.1	<0.5	<1	<0.2
54989	Rock				0.012	<1	9	0.19	310	<0.001	<20	0.62	0.004	0.03	<0.1	0.03	<0.1	<0.05	0.9	0.8	1	<0.2
54990	Rock				0.026	1	7	<0.01	159	<0.001	<20	0.11	<0.001	0.01	<0.1	0.05	<0.1	<0.05	0.4	<0.5	<1	<0.2
54991	Rock				0.114	7	36	0.01	132	<0.001	<20	0.72	0.001	0.04	<0.1	0.26	<0.1	0.21	24.2	2.3	9	<0.2
54992	Rock				0.018	<1	12	0.13	368	<0.001	<20	0.60	0.007	0.03	<0.1	0.03	<0.1	<0.05	1.5	0.8	2	<0.2
54993	Rock				0.008	<1	2	<0.01	941	<0.001	<20	0.06	0.002	<0.01	<0.1	0.02	<0.1	<0.05	0.5	<0.5	<1	<0.2
54994	Rock				0.012	<1	3	<0.01	2395	<0.001	<20	0.15	<0.001	<0.01	<0.1	0.16	<0.1	0.08	0.7	<0.5	<1	<0.2
54995	Rock				0.009	3	17	0.19	1968	0.001	<20	0.84	0.003	0.11	<0.1	0.05	<0.1	0.07	2.0	<0.5	3	<0.2
55070	Rock				0.019	2	2	0.02	563	<0.001	<20	0.12	0.002	0.05	<0.1	0.10	<0.1	0.07	0.8	<0.5	<1	<0.2
55071	Rock				0.053	8	2	0.75	340	<0.001	<20	0.11	0.002	0.05	<0.1	0.02	<0.1	<0.05	1.2	<0.5	<1	<0.2
55072	Rock				0.024	3	1	0.40	73	<0.001	<20	0.06	0.004	0.03	<0.1	0.01	<0.1	<0.05	0.9	<0.5	<1	<0.2
55073	Rock				0.010	2	3	0.02	132	<0.001	<20	0.10	0.002	0.04	<0.1	0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2
55074	Rock				0.063	<1	3	0.08	3647	0.003	<20	0.12	<0.001	<0.01	<0.1	0.06	<0.1	0.08	0.4	0.8	<1	<0.2
55075	Rock				0.004	<1	1	<0.01	52	<0.001	<20	0.02	0.003	<0.01	<0.1	0.01	<0.1	<0.05	0.2	1.5	<1	<0.2
55076	Rock				0.120	6	32	3.37	769	0.003	<20	2.22	<0.001	0.04	<0.1	0.19	0.5	0.09	4.5	45.3	8	<0.2
55077	Rock				0.018	1	4	<0.01	283	<0.001	<20	0.05	0.003	0.02	<0.1	0.03	0.1	<0.05	0.2	3.2	<1	<0.2
55078	Rock				0.240	2	11	0.03	2286	0.002	<20	0.21	0.001	0.02	<0.1	0.74	<0.1	0.06	0.8	3.3	<1	<0.2



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CERTIFICATE OF ANALYSIS

WHI11000904.1

	Method Analyte Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
55079	Rock	0.79	<2	0.6	3.8	0.7	4	0.3	1.7	0.2	28	0.34	6.9	<0.5	0.2	4	<0.1	2.5	<0.1	8
55080	Rock	0.72	38	<0.1	1.1	48.2	71	<0.1	0.9	0.5	395	0.24	115.7	30.2	1.4	33	0.3	0.2	1.1	<2
55081	Rock	0.71	6	0.1	1.1	37.8	34	<0.1	1.1	0.4	255	0.29	88.4	4.4	0.9	20	0.1	0.7	0.9	<2
55082	Rock	0.64	2	<0.1	17.4	7.9	16	<0.1	5.8	2.9	2281	1.94	24.2	<0.5	2.2	390	<0.1	0.3	0.3	4
55083	Rock	0.65	115	0.4	2.1	97.8	60	<0.1	1.4	<0.1	196	0.30	885.6	108.6	1.4	23	0.1	0.5	1.1	2
55084	Rock	0.83	3	0.2	7.5	4.8	18	<0.1	2.8	2.3	1675	0.91	5.7	1.9	1.6	938	<0.1	0.3	<0.1	4
55085	Rock	0.76	<2	0.2	8.3	2.4	15	<0.1	7.2	3.4	64	0.68	3.6	2.2	0.2	<1	<0.1	0.2	<0.1	6
55086	Rock	0.88	55	0.6	63.1	117.1	78	1.8	99.8	52.8	15	4.91	19.6	5.8	0.8	23	<0.1	2.0	0.3	20
55087	Rock	1.23	8	5.1	46.0	63.0	114	1.4	179.1	19.4	2639	37.24	21.1	0.5	0.5	37	0.1	0.9	<0.1	20
55088	Rock	0.94	3	0.4	9.7	2.0	51	<0.1	21.4	3.4	220	2.13	2.3	<0.5	0.3	274	0.2	0.3	<0.1	6
55089	Rock	0.79	<2	0.1	1.5	2.1	24	<0.1	8.7	1.8	176	0.74	1.2	<0.5	0.6	954	<0.1	0.2	<0.1	14
54603	Rock	1.24	4	0.4	1.2	2.9	<1	0.2	0.6	<0.1	17	0.26	1.3	1.2	0.3	<1	<0.1	8.7	<0.1	6
54604	Rock	1.62	3	1.2	45.9	4.7	78	<0.1	12.3	6.3	7950	2.42	2.8	0.8	1.3	1894	<0.1	0.4	<0.1	14



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CERTIFICATE OF ANALYSIS

WHI11000904.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1
55079	Rock	0.010	<1	6	<0.01	30	<0.001	<20	0.04	0.002	<0.01	<0.1	0.01	<0.1	<0.05	0.3	<0.5	<1
55080	Rock	0.007	3	2	0.03	215	<0.001	<20	0.38	0.019	0.30	<0.1	0.05	0.1	<0.05	0.3	<0.5	<1
55081	Rock	0.006	2	1	<0.01	52	<0.001	<20	0.35	0.003	0.24	<0.1	0.16	0.1	<0.05	0.3	<0.5	<1
55082	Rock	0.087	13	4	3.40	145	0.003	<20	0.25	0.009	0.18	<0.1	0.04	<0.1	0.09	1.9	<0.5	<1
55083	Rock	0.008	2	<1	0.01	185	<0.001	<20	0.50	0.006	0.32	<0.1	1.73	0.2	0.06	0.3	<0.5	1
55084	Rock	0.112	12	2	0.84	116	<0.001	<20	0.11	0.006	0.04	<0.1	0.13	<0.1	0.27	1.6	0.5	<1
55085	Rock	0.035	<1	6	0.14	37	<0.001	<20	0.22	0.004	0.03	<0.1	0.05	<0.1	<0.05	0.5	<0.5	<1
55086	Rock	0.024	<1	18	0.24	12	0.001	<20	0.69	0.009	0.12	<0.1	0.28	0.2	4.57	1.2	7.7	2
55087	Rock	0.038	<1	6	2.62	5	<0.001	<20	0.31	0.008	0.03	<0.1	0.43	0.2	8.32	6.1	17.0	<1
55088	Rock	0.034	<1	7	0.80	801	<0.001	<20	0.11	0.002	0.01	<0.1	0.05	<0.1	0.08	1.1	0.7	<1
55089	Rock	0.024	3	13	0.15	>10000	<0.001	<20	0.36	0.002	<0.01	<0.1	0.02	<0.1	0.13	1.0	<0.5	<1
54603	Rock	0.002	2	6	<0.01	98	<0.001	<20	0.08	<0.001	0.05	<0.1	0.30	<0.1	<0.05	0.2	1.1	<1
54604	Rock	0.075	4	16	1.68	238	0.001	<20	0.24	0.040	<0.01	<0.1	0.06	<0.1	0.32	3.8	<0.5	<1



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QUALITY CONTROL REPORT

WHI11000904.1

	Method Analyte Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
54761	Rock	1.05	<2	0.2	3.0	2.3	13	<0.1	2.8	0.9	1056	0.65	0.6	3.5	0.7	532	0.1	<0.1	<0.1	5	13.26
REP 54761	QC			0.2	3.1	2.3	13	<0.1	2.6	0.9	1033	0.66	<0.5	2.2	0.7	529	0.2	<0.1	<0.1	4	13.21
55080	Rock	0.72	38	<0.1	1.1	48.2	71	<0.1	0.9	0.5	395	0.24	115.7	30.2	1.4	33	0.3	0.2	1.1	<2	0.30
REP 55080	QC		38																		
55085	Rock	0.76	<2	0.2	8.3	2.4	15	<0.1	7.2	3.4	64	0.68	3.6	2.2	0.2	<1	<0.1	0.2	<0.1	6	0.21
REP 55085	QC			0.2	8.2	2.3	15	<0.1	7.4	3.6	63	0.69	3.4	1.7	0.2	7	<0.1	0.2	<0.1	6	0.18
Core Reject Duplicates																					
55074	Rock	0.64	<2	0.6	6.6	1.0	55	0.2	6.0	0.5	32	0.52	1.6	<0.5	0.2	74	0.2	1.0	<0.1	11	0.12
DUP 55074	QC		<2	0.7	6.8	0.8	54	0.2	5.6	0.5	38	0.56	1.8	<0.5	0.1	75	0.2	0.9	<0.1	11	0.11
Reference Materials																					
STD DS8	Standard			14.4	122.9	143.6	347	1.8	42.8	8.3	672	2.74	30.8	104.6	7.5	70	2.8	3.6	6.3	44	0.80
STD DS8	Standard			12.4	108.9	121.3	316	1.9	39.8	7.4	607	2.50	24.6	105.8	7.4	68	2.2	4.4	6.8	41	0.71
STD OREAS45CA	Standard			0.7	536.1	27.7	66	0.3	270.8	96.8	978	16.72	5.0	43.0	7.9	12	0.1	<0.1	0.2	223	0.46
STD OREAS45CA	Standard			0.7	515.9	22.5	60	0.3	258.6	91.6	951	15.37	3.4	44.5	7.9	17	0.1	<0.1	0.2	212	0.43
STD OXC88	Standard		219																		
STD OXC88	Standard		208																		
STD OXH82	Standard		1406																		
STD OXH82	Standard		1322																		
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
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



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QUALITY CONTROL REPORT

WHI11000904.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1
Pulp Duplicates																			
54761	Rock		0.078	7	2	1.59	116	0.001	<20	0.12	0.003	0.03	<0.1	0.02	<0.1	<0.05	0.6	<0.5	<1
REP 54761	QC		0.079	7	2	1.56	116	0.001	<20	0.12	0.003	0.03	<0.1	0.02	<0.1	<0.05	0.5	<0.5	<1
55080	Rock		0.007	3	2	0.03	215	<0.001	<20	0.38	0.019	0.30	<0.1	0.05	0.1	<0.05	0.3	<0.5	<1
REP 55080	QC																		
55085	Rock		0.035	<1	6	0.14	37	<0.001	<20	0.22	0.004	0.03	<0.1	0.05	<0.1	<0.05	0.5	<0.5	<1
REP 55085	QC		0.034	<1	6	0.15	35	<0.001	<20	0.22	0.005	0.03	<0.1	0.03	<0.1	<0.05	0.5	<0.5	<1
Core Reject Duplicates																			
55074	Rock		0.063	<1	3	0.08	3647	0.003	<20	0.12	<0.001	<0.01	<0.1	0.06	<0.1	0.08	0.4	0.8	<1
DUP 55074	QC		0.064	<1	4	0.08	3911	0.003	<20	0.13	0.001	<0.01	<0.1	0.07	<0.1	0.09	0.4	0.7	<1
Reference Materials																			
STD DS8	Standard		0.091	17	127	0.69	322	0.122	<20	1.01	0.100	0.46	2.9	0.21	5.9	0.18	2.3	5.3	5
STD DS8	Standard		0.078	14	118	0.61	286	0.114	<20	0.89	0.085	0.40	2.5	0.20	5.2	0.17	2.2	4.7	5
STD OREAS45CA	Standard		0.042	17	833	0.15	178	0.140	<20	3.96	0.011	0.08	<0.1	0.04	<0.1	<0.05	40.4	0.5	19
STD OREAS45CA	Standard		0.039	17	690	0.15	175	0.137	<20	3.66	0.008	0.07	<0.1	0.03	<0.1	<0.05	37.9	<0.5	19
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXC88 Expected																			
STD OXH82 Expected																			
STD DS8 Expected			0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7
STD OREAS45CA Expected			0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank		<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1
BLK	Blank		<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1



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QUALITY CONTROL REPORT

WHI11000904.1

		WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Prep Wash																					
G1	Prep Blank		2	0.2	5.5	10.5	57	<0.1	2.9	4.0	555	1.96	0.8	3.4	5.6	69	0.2	<0.1	0.1	36	0.49
G1	Prep Blank		<2	0.2	4.4	7.5	53	<0.1	2.8	3.9	556	1.92	0.9	2.5	5.7	64	0.1	<0.1	<0.1	37	0.49



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QUALITY CONTROL REPORT

WHI11000904.1

		1DX P %	1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Tl ppm	1DX S %	1DX Sc ppm	1DX Se ppm	1DX Ga ppm	1DX Te ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
Prep Wash																			
G1	Prep Blank	0.074	13	5	0.51	160	0.128	<20	0.91	0.091	0.47	<0.1	<0.01	0.3	<0.05	2.0	<0.5	5	<0.2
G1	Prep Blank	0.075	11	5	0.53	164	0.130	<20	0.94	0.090	0.48	<0.1	<0.01	0.3	<0.05	2.0	<0.5	4	<0.2



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Submitted By: K. Wayne Livingstone
Receiving Lab: Canada-Whitehorse
Received: August 05, 2011
Report Date: August 31, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11000924.1

CLIENT JOB INFORMATION

Project: CCJV
Shipment ID:
P.O. Number: AZ-CANOL-MP-STAN-02
Number of Samples: 11

SAMPLE DISPOSAL

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

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

Invoice To: Carlin Gold Corporation
320 - 800 West Pender Street
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Canada

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	11	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	11	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	11	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. 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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Project: CCJV
Report Date: August 31, 2011

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CERTIFICATE OF ANALYSIS

WHI11000924.1

	Method Analyte Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
55212	Rock	1.15	<2	0.6	71.9	7.0	26	0.4	36.3	8.9	148	2.82	5.3	1.5	4.8	182	0.1	0.2	0.4	34
55213	Rock	0.80	<2	3.5	16.6	5.3	127	<0.1	49.5	14.9	182	1.98	20.0	2.4	12.4	29	0.2	0.2	0.3	26
55214	Rock	0.72	<2	9.0	77.1	210.5	148	1.7	56.5	13.0	339	7.41	7.9	1.9	9.4	1405	1.0	0.9	1.6	57
55215	Rock	1.27	<2	0.1	122.1	2.4	118	<0.1	29.3	4.4	117	4.57	1.4	1.1	0.3	<1	<0.1	<0.1	<0.1	7
55216	Rock	0.61	7	2.6	59.4	21.5	16	0.2	3.3	0.3	27	3.09	34.3	6.7	1.0	44	<0.1	1.1	0.1	65
55217	Rock	1.17	<2	0.1	39.2	7.9	85	<0.1	42.3	18.8	1916	2.74	1.7	4.0	5.6	27	0.2	0.1	0.2	16
55218	Rock	0.88	4	15.4	5.2	2.2	3	0.8	4.9	0.2	29	0.63	13.0	0.8	0.2	21	<0.1	9.5	<0.1	103
55253	Rock	0.92	<2	1.0	92.7	43.0	166	<0.1	47.9	37.9	>10000	4.46	63.3	1.1	2.9	1225	0.2	0.4	0.1	22
55254	Rock	0.89	<2	0.3	54.3	2.2	145	<0.1	41.9	11.5	1408	3.35	0.8	0.9	2.7	39	<0.1	0.1	0.2	19
54791	Rock	1.50	<2	0.3	9.5	7.2	22	0.1	3.2	0.6	131	0.80	2.9	<0.5	0.4	14	0.5	0.4	0.1	8
54792	Rock	1.68	5	0.5	35.4	8.9	164	0.7	40.3	8.7	30	3.19	2.7	<0.5	1.4	16	0.8	0.5	0.1	9



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CERTIFICATE OF ANALYSIS

WHI11000924.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1
55212	Rock	0.025	11	35	0.71	106	0.102	<20	3.79	0.072	0.58	0.3	0.02	0.3	1.44	3.2	2.4	12
55213	Rock	0.066	18	21	0.63	623	0.038	<20	1.39	0.008	0.49	<0.1	<0.01	0.3	0.21	0.9	<0.5	4
55214	Rock	0.058	11	23	0.71	46	0.123	<20	7.58	0.173	0.03	1.5	0.01	<0.1	4.36	1.4	8.7	22
55215	Rock	0.009	<1	12	<0.01	249	<0.001	<20	0.14	<0.001	0.03	<0.1	0.02	<0.1	<0.05	1.6	<0.5	<1
55216	Rock	0.067	2	37	0.02	780	0.001	<20	0.39	<0.001	0.07	<0.1	0.63	<0.1	<0.05	1.8	1.7	3
55217	Rock	0.018	12	20	0.70	691	0.007	<20	1.39	0.006	0.36	<0.1	0.03	<0.1	<0.05	3.2	<0.5	5
55218	Rock	0.216	<1	23	<0.01	202	0.001	<20	0.13	<0.001	0.03	<0.1	1.12	<0.1	<0.05	0.9	7.5	<1
55253	Rock	0.022	9	11	1.78	>10000	<0.001	<20	0.70	0.021	0.03	<0.1	0.12	<0.1	0.07	6.6	<0.5	1
55254	Rock	0.026	8	22	0.64	362	0.003	<20	1.26	0.006	0.13	<0.1	0.02	<0.1	0.31	3.7	<0.5	3
54791	Rock	0.004	<1	7	0.02	633	<0.001	<20	0.18	0.003	0.08	<0.1	0.06	<0.1	0.10	0.5	0.7	<1
54792	Rock	0.037	2	7	0.06	12	0.002	<20	0.42	0.004	0.22	<0.1	0.14	<0.1	2.99	1.6	3.1	1



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QUALITY CONTROL REPORT

WHI11000924.1

	Method Analyte Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
Core Reject Duplicates		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
54792	Rock	1.68	5	0.5	35.4	8.9	164	0.7	40.3	8.7	30	3.19	2.7	<0.5	1.4	16	0.8	0.5	0.1	9	0.08
DUP 54792	QC		5	0.5	36.3	8.4	156	0.7	37.5	8.5	31	2.95	2.5	<0.5	1.5	17	0.8	0.5	0.1	8	0.08
Reference Materials																					
STD DS8	Standard			12.7	108.6	118.4	312	1.6	37.0	7.4	607	2.49	24.6	87.1	6.4	65	2.2	4.0	6.5	43	0.70
STD DS8	Standard			14.8	120.0	132.3	328	1.9	39.4	8.3	651	2.59	27.2	126.8	7.4	67	2.5	4.3	6.8	43	0.76
STD OREAS45CA	Standard			0.6	488.1	20.4	59	0.3	237.7	86.9	909	15.94	3.5	33.8	7.2	15	<0.1	<0.1	0.2	198	0.43
STD OREAS45CA	Standard			0.7	513.4	22.1	66	0.3	258.0	95.2	950	16.62	3.4	41.9	7.8	15	<0.1	<0.1	0.2	207	0.45
STD OXC88	Standard		202																		
STD OXH82	Standard		1264																		
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank		<2	0.1	3.0	4.8	48	<0.1	2.6	4.2	592	2.00	2.1	<0.5	7.0	62	<0.1	0.4	0.1	37	0.53
G1	Prep Blank		<2	0.1	2.1	3.9	50	<0.1	2.8	4.2	606	2.04	0.7	<0.5	6.5	65	<0.1	0.2	<0.1	37	0.54



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QUALITY CONTROL REPORT

WHI11000924.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	
Core Reject Duplicates																			
54792	Rock	0.037	2	7	0.06	12	0.002	<20	0.42	0.004	0.22	<0.1	0.14	<0.1	2.99	1.6	3.1	1	
DUP 54792	QC	0.036	2	6	0.05	16	0.002	<20	0.38	0.004	0.20	<0.1	0.16	<0.1	2.73	1.6	2.6	1	
Reference Materials																			
STD DS8	Standard	0.084	14	114	0.60	292	0.115	<20	0.90	0.084	0.40	2.4	0.20	5.1	0.17	2.3	5.1	5	
STD DS8	Standard	0.079	16	122	0.65	292	0.125	<20	0.96	0.091	0.43	2.5	0.22	5.9	0.18	2.0	4.8	5	
STD OREAS45CA	Standard	0.038	15	675	0.14	150	0.127	<20	3.49	0.015	0.07	<0.1	0.02	<0.1	<0.05	39.4	<0.5	18	
STD OREAS45CA	Standard	0.037	16	771	0.14	169	0.120	<20	3.78	0.009	0.08	<0.1	0.03	0.1	<0.05	37.0	<0.5	18	
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXC88 Expected																			
STD OXH82 Expected																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4	
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	
Prep Wash																			
G1	Prep Blank	0.080	14	6	0.52	169	0.136	<20	0.94	0.083	0.49	<0.1	0.01	0.3	<0.05	2.0	<0.5	5	
G1	Prep Blank	0.078	13	6	0.54	165	0.134	<20	0.93	0.087	0.48	<0.1	<0.01	0.3	<0.05	1.9	<0.5	5	