

ARGUS METALS CORP.

**2011 GEOCHEMICAL REPORT ON THE TINA
PROPERTY, YUKON**

Fuji 1 (YD114503) – Fuji 504 (YD115006)

Located in the Watson Lake Mining District
NTS 095D 11/12/13/14
Latitude 60° 42' N Longitude 127° 34' W

-Prepared for-
Argus Metals Corp.
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May 17, 2012

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1.0 SUMMARY

The Tina Property is a gold/base metals mineral exploration prospect consisting of 504 contiguous mineral claims covering ~10,000 hectares, located approximately 90 kilometers northwest of Watson Lake, Southeast Yukon. The 504 quartz mineral claims (Fuji # 1-504) are owned 100% by Argus Metals Corp.

The Property lies in the Hyland Gold District, approximately 20 kilometers northeast of the Hyland Gold Project owned and operated by Argus Metals Corp. The Hyland Gold Project has recently (2011) been the subject of an advanced diamond drilling mineral exploration campaign, where The Main Zone gold inferred resource was updated to a N.I. 43-101 compliant 12,503,994 tonnes containing 361,692 ounces gold at 0.9 g/t and 2,248,948 ounces silver at 5.59 g/t at a 0.6 g/t gold equivalent ("AuEq") cutoff. Additionally, Argus Metals is advancing its Ike Project located approximately 50 southwest of the Tina Project.

No known mineralization has been described on the Property by previous workers. The Property was identified and staked based on regional geochemical stream sediments survey analysis which included elevated and coincident Gold and Arsenic results. Argus Metals Corp. management is applying the exploration success of ATAC's Rau property exploration model (staked, explored and drilled based on Au+As RGS stream sediment data) to identify potential gold mineralization targets in the Hyland Gold District, itself a southern extension of the Selwyn Basin. To date, these mineralization theories have only been very limitedly tested and there is no known deposit type or mineralization recorded on the Tina Property.

In 2011, a reconnaissance surface geochemical program was conducted on the Tina Property. The objective of the program was to conduct detailed verification and related mineral exploration over and around any previously recorded anomalies. The 2011 Tina exploration program consisted of three components: stream sediment sampling, soil sampling, and the collection of rock samples. A total of 52 stream sediment samples, 207 soil samples, and 17 rock samples were collected and analyzed during the 2011 exploration programs.

2011 Stream sediment sampling and results confirmed anomalous Au values in creeks within the Tina sampling area as indicated by historical stream sediment data. Anomalous Au data in "ridge and spur" soil samples are associated with elevated levels of As in the samples. The few rock samples collected during the 2011 field program failed to return any significant Au values, but some of them contain elevated As, Sb and Bi. The claim area has only been lightly prospected, and more rock sampling is required to identify the source of Au entering the streams on the western side of the claim group.

2.0 INTRODUCTION

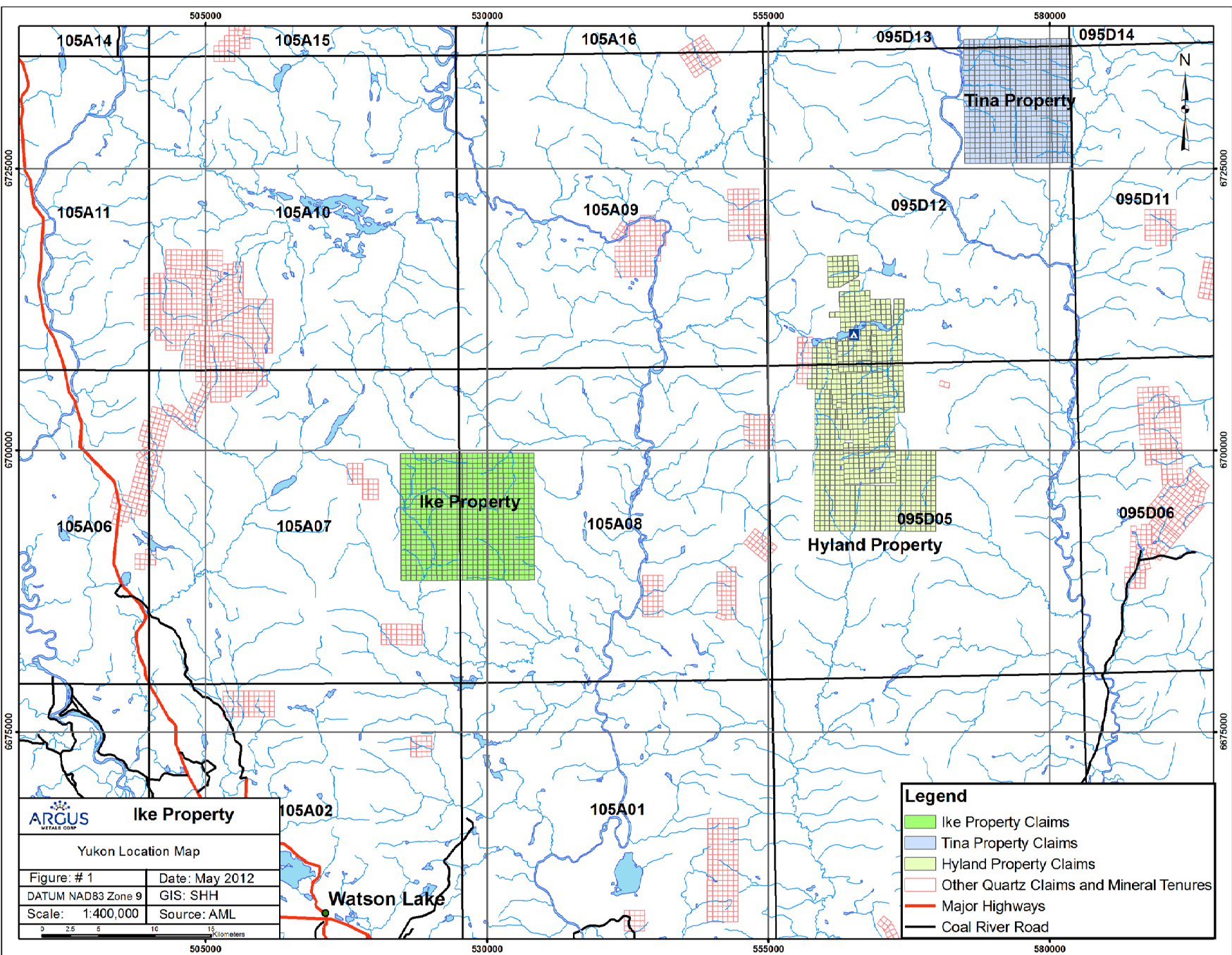
During the summer of 2011, from June 15 to September 10, a surface geochemical program was conducted on the Tina Property in the Hyland Gold district, Yukon Territory. Telemark Geosciences Inc. (“Telemark”) was contracted by Argus to design and oversee the geochemical sampling program. The objective of the program was to confirm anomalous Au values in creeks within the Tina group of claims indicated by historical stream sediment data. The survey was conducted under the supervision of Paul D. Gray, P.Geo. and Dennis Arne, Director & Principal Consultant of Telemark, who in turn compiled, interpreted, and reported on the results of the survey. The contents of this assessment report is a compilation of information from previous assessment reporting filed with the Yukon Mining Recorder, other government reports, and maps and data compiled by Argus on projects that are within the Hyland Gold District.

3.0 PROPERTY DESCRIPTION AND LOCATION

The Tina property is located in southeastern Yukon, 20 km northeast of Quartz Lake, approximately 90 km northeast by air from Watson Lake, and is centered at UTM NAD 83, Zone 9, 6753000 N, 904000 E (Figure 1). The property consists of 504 contiguous mineral claims, as listed in Table 1 and Figure 2. The office of the Yukon Mining Recorder lists Argus Metals Corp. as 100% owner of the Tina property claims.

Table 1. Tina Property claims

Claim Name	Grant Number	Number of claims	Expiry Date
Fuji 1 - 504	YD114503 – YD115006	504	19-Nov-2012



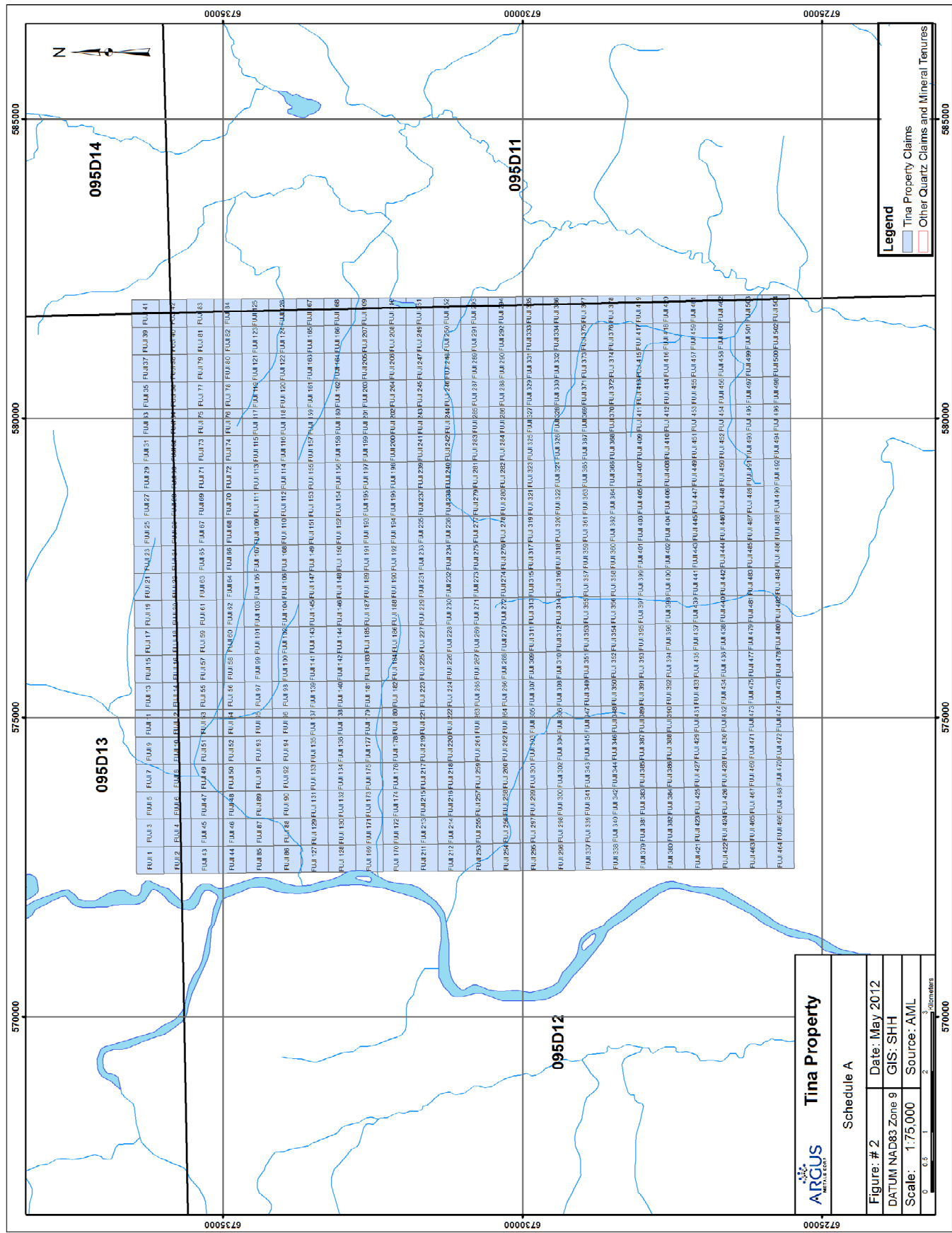


Figure 2: Tina Property Tenure Map

4.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE, PHYSIOGRAPHY

The Tina property is directly accessible by helicopter from Watson Lake or Argus Metals' Hyland Gold District Project Exploration Camp on Quartz Lake (Hyland Gold Project).

The Tina Property covers moderately rugged terrain with elevations that range from 790 m to 1,650 m at the highest peak on the property. Treeline starts at approximately 1,450 m where alpine brush and vegetation give way to a mix of black spruce, alder, willow, pine, white spruce and moss depending on the moisture content and aspect of the slope. Subcrop is abundant above treeline with some outcrop below treeline however bedrock exposure is limited to small cliffs and creek cuts. The area underwent glaciation during the Pleistocene with ice movement dominantly from the north to the south. Till has been eroded from most steep north facing slopes but south and west facing hillsides display varying thicknesses of glacial debris. A prominent terrace of glaciofluvial material wraps around the hillsides at about 1,065 m elevation in the northern half of the property.

The Tina property is subject to a continental climate with long cold winters and warm dry summers. The average annual precipitation on the property is about 450 mm occurring mostly as rain in the warmer months. In the winter, the snowpack rarely exceeds 1 m in depth. Permafrost occurs irregularly across north facing slopes. The lakes are typically ice free and available to float planes by June and begin to freeze in early November.

5.0 HISTORY

There are no recorded mineral exploration or related work programs on the Tina Property. The Property was identified and staked by Argus based on regional geochemical stream sediments survey analysis which included elevated and coincident Gold and Arsenic results.

6.0 REGIONAL GEOLOGY

The Regional and Property geology is summarized from Perkins & Mustard (1981).

The Tina Property is located in the southeastern Selwyn Basin, a Late Precambrian to Middle Devonian tectonic element characterized by underlying marine and deep water derived clastic rocks. Deposition of sediments into the basin was restricted by the Cassiar platform to the southwest and the Mackenzie shelf to the east. It is considered part of Ancestral North America and records several episodes of pericratonic rifting with subsequent subsidence. Generally, the basin fill comprises shale, limestone, chert and grit that have been subdivided across the basin into many formations and distinct facies that may or may not be time-equivalent. Recent regional scale geological mapping of the area (Pigage et al., 2011) provides a framework for the regional and property-scale descriptions below.

On a regional scale the Tina property is located in an area of the Selwyn basin underlain by Precambrian (Yusezyu, Narchilla and Vampire formations), Lower-Middle Cambrian (Sekwi Formation), Cambrian-Ordovician (Otter Creek and Rabbitkettle formations), Ordovician (Sunblood Formation), Silurian-Devonian (Road River Group and undivided Nonda-Muncho-McConnell-Stone-Dunedin formations) and locally Eocene (Rock River basin) sequences. The sedimentary rocks were subsequently intruded by Cretaceous granite, quartz monzonite and granodiorite plugs assigned to the Selwyn Plutonic Suite. Collectively, they record a quiescent, subsiding continental margin punctuated by transgressive and regressive cycles, rifting, a receptacle for orogenic detritus from the north, collision of allochthonous terranes, mountain building and magmatism (Gordey and Anderson, 1993).

The lower Hyland Group (Yusezyu Formation, **Py**) comprises quartz-rich sandstones ranging from medium grained sand to pebble conglomerate sized clasts. Distinct, opalescent blue spherical quartz grains are common. The bottom of the formation is not exposed in the basin but the formation is estimated to be greater than 3 km thick (Gordey and Anderson, 1993). At the top of the Yusezyu Formation, a crystalline limestone or calcareous sandstone unit (**PCvn-l**) is generally present. This unit marks the transition from Yusezyu Formation sandstones to finer grained clastic rocks of the Narchilla Formation (**PCvn-m**). In the Coal River area the Narchilla and Vampire formations are undivided with the former representing the basinal facies and the latter the basin to shelf transitional facies. The Narchilla Formation consists of maroon and green phyllite, silty phyllite and minor quartzose sandstone to pebble conglomerate. The limestone and Narchilla mudstones are locally interfingered. The Vampire Formation (**PCvn**) consists of green phyllite, silty phyllite, minor quartzose sandstone to pebble conglomerate, and bedded limestone.

Lower Cambrian rocks interpreted to be correlative to the Sekwi Formation (**Cs**) conformably overlie the Narchilla-Vampire sequences. They consist of green to tan brown weathering phyllite, siltstone and arkose. The finer grained lithologies are locally calcareous and/or fossiliferous. Locally, a mafic volcanic sequence of tuff, flows and pillowed lavas (**Cv**) occurs near the top(?) of the Vampire-Narchilla formations

The Lower Cambrian rocks are unconformably overlain by Cambrian to Ordovician rocks including the Otter Creek formation (**COoc**) comprising resistant light grey limestone and buff coloured dolostone. Overlying these rocks is the Rabbitkettle formation (**COR**) divided into; a volcanic facies (**COR-v**) comprised of mafic tuff, breccias and amygdaloidal pillowed flows; a west facies (**COR-lp**) including platy phyllitic limestone, calcareous phyllite and light grey, yellow weathering silty limestone; and an east facies (**COR-n**) that is more calcareous comprised of wavy banded, nodular silty limestone and pale grey bedded limestone.

The Ordovician is represented by the Sunblood formation comprised of two members a mafic volcanic member comprised of basaltic tuff, breccia and amygdaloidal pillowed flows (**OSu-v**) and a laminated and/or bioturbated buff to orange weathering dolostone or limestone (**OSu**). Conformably overlying the Sunblood formation is the Silurian to Devonian Road River Group (**SDRR**) comprised of dark grey to black calcareous or dolomitic locally graptolitic recessive shale, siltstone and bedded chert. The laterally equivalent carbonate dominated Siluro-Devonian unit **SDc** (undivided Nonda-Muncho-McConnell-Stone-Dunedin formations) is present to the south and comprises grey thick-bedded dolostone, and black thick-bedded limestone.

Devonian to Mississippian extension resulted in subvertical normal faults of varying orientation juxtaposing deeper basinal rocks against younger lithologies. This geometry effectively preserved Ordovician to Silurian rocks locally and resulted in unconformable relationships between the Hyland and Earn group rocks elsewhere. The occurrence of abundant debris flows containing car sized clasts of underlying lithologies are a product of this block faulting (Gordey, 2008).

Mesozoic docking of allocthonous terranes to the southwest of the Selwyn Basin resulted in thin-skinned thrusting and folding with eastward displacements upwards of 200 km (Gabrielse, 1991). Related deformation in the Selwyn Basin is dominated by the interplay of less competent quartz-poor and competent quartz-rich layered rocks. Large-scale structures consist of thrust-faults, open to tight folds, locally intense small scale folds and zones of closely spaced imbricate thrust sheets. These structures are attributed to Early Cretaceous northeast directed compression pre-dating the extensive plutonism in the basin. Typically a well developed phyllitic to slatey cleavage is present and is most prevalent in mudstone and siltstone. The dominant fabric in the basin trends northwest and generally dips steeply to the northeast but in places may be shallowly south-dipping.

Locally, however, structural trends vary and commonly parallel the arcuate Paleozoic shale-carbonate boundary within the Mackenzie Mountains to the east. This results in structural trends that may vary from east-northeast to east-west with northerly, easterly, or westerly vergence of major structures (Gabrielse, 1991).

Following crustal thickening numerous calc-alkaline plutons were emplaced into the sedimentary package described above. Cretaceous plutonism in the Selywn basin progressed from the southeast to the northwest beginning with the emplacement of the Anvil and Tay River suites and culminating with the emplacement of the Tungsten and Tombstone suites ca. 90 – 93 Ma (Anderson 1983, 1987, 1993). Previously the nearest known intrusion to the Tina property was a 15 km diameter stock located 22 km to the west. Recent mapping of Pigage et al. (2011) however, has identified a 7 km x 3 km body granitic body that returned a U-Pb zircon age of 97.8 Ma (Pigage et al., 2011). This body is the southernmost exposure of cretaceous granitic rocks along a northeast trending belt of higher metamorphic grade (locally up to garnet-staurolite grade) and cretaceous magmatism that parallels the Skonseng fault.

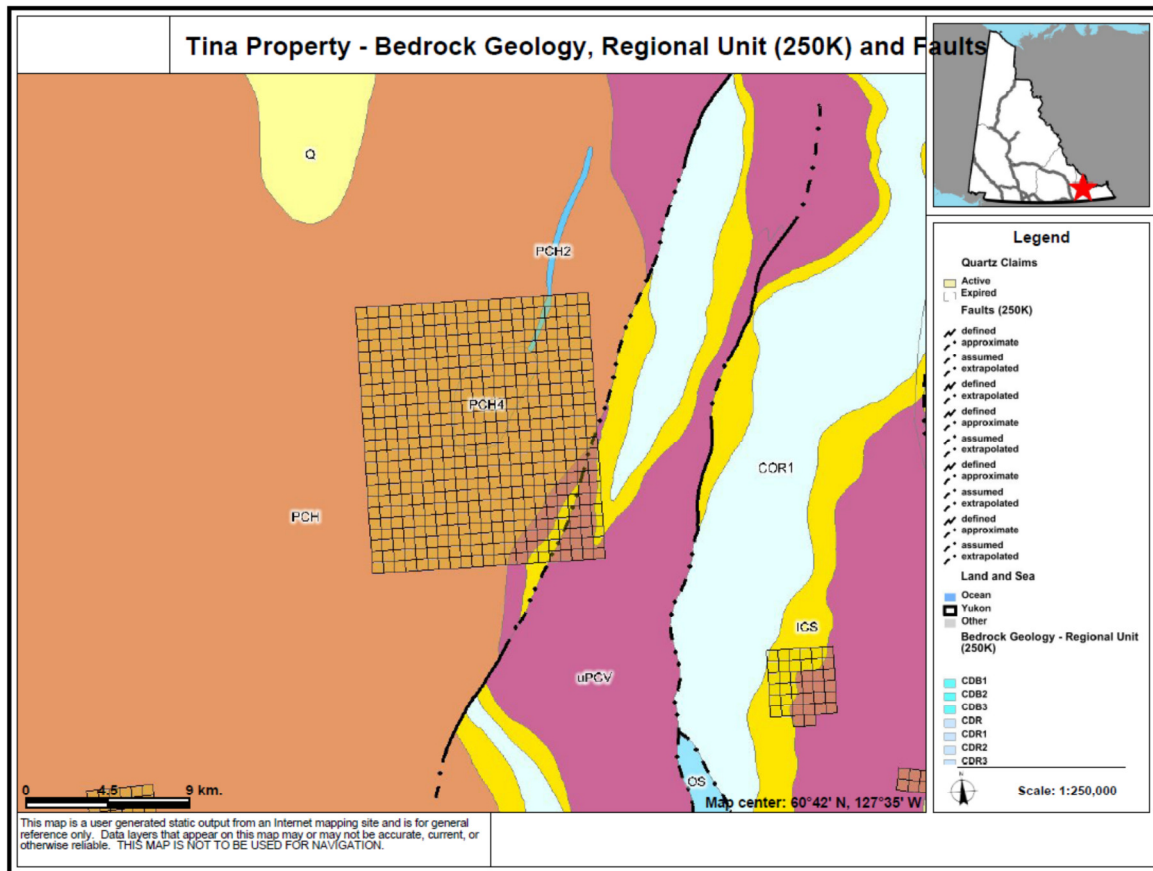


Figure 3. Tina Property Regional Bedrock Geology and Faults. See Appendix B for Bedrock Unit Legend.

6.1 Structure

Regionally, the Tina property is located in the hanging wall of a major east-verging imbricate thrust system locally referred to as the Coal River fault. Indeed, the surface trace of westernmost fault of this system is located just inside the eastern margin of the property. Within the hanging wall the structural grain is largely northwest trending and lineations plunge both to the northwest and to the southwest. The dominantly Precambrian sedimentary rocks of the hanging wall are folded into a series of anticline-syncline pairs that expose the Yusezyu at the core of northwest trending anticlines.

East of the imbricate thrust system Cambrian to Devonian rocks with a carbonate shelf affinity contain a north trending structural fabric. Mapped folds are typically tighter with more closely spaced axial planes and east-verging. Lineations plunge north and south likely controlled by their proximity to second-order east-west trending strike slip faults related to the larger thrust faults. Locally, the strike-slip faulting has been interpreted to have up to 3 km of throw.

The regionally significant north striking Rock River normal fault separates an elongate belt of Precambrian rocks from Silurian to Devonian shelf rocks and was likely the boundary fault to the Eocene Rock River basin host to Lignite coal occurrences deposited the eastern side of the fault. The Rock River fault cuts the Coal River thrust fault but it is unclear from the regional mapping the timing relationship between the two.

6.2 Regional Mineralization and Metallogeny

The Selwyn basin is most well known for its endowment of SEDEX Zn-Pb-Ag occurrences including twelve deposits with proven reserves three of those were past producers. The SEDEX deposits can be divided into three categories based on their age of formation; Late Cambrian (e.g. Faro; 57.6 Mt @ 5.7 % Zn and 3.4 % Pb), Early Silurian (e.g. Howards Pass; 115.4 Mt @ 5.38 % Zn and 2.08 % Pb) and Late Devonian (e.g. Tom; 15.7 Mt @ 7.0 % Zn, 4.6 % Pb and 49.1 g/t Ag). In addition to the SEDEX deposits the basin also contains MVT and stratiform barite deposits.

The Tina property is located in a second regionally significant metallogenic province referred to as the Tintina gold belt, comprised of several gold rich districts extending from western Alaska to southern Yukon. The belt includes notable gold deposits such as Donlin Creek, Fort Knocks and Pogo in Alaska and the Dawson Gold district, Brewery Creek, Mt Nansen, Ketza River and the Newley discovered Nadaleen trend in Yukon. The Tintina Gold Belt is roughly constrained by the Tintina fault to the north and east and the Denali fault to the south and west. It is coincident with extensive mid cretaceous plutonism and deposit types are typically associated with these intrusions in some fashion. The compositions of the intrusive rocks are typically granodiorite, granite and syenite. They are predominantly metaluminous, calc-alkaline to locally alkaline, have low primary oxidation states and typically contain significant crustal contamination.

The most significant mineral occurrence near the Tina property is the Mcmillan Ag-Pb-Zn deposit 5 km to the west. A historical resource of 1.1 million tonnes grading 8.3% zinc, 4.1% lead and 62 g/t silver in strata concordant and discordant mineralization. It is hosted in late Precambrian rocks of the Hyland formation. The deposit has been alternately described as syngenetic and post depositional replacement style mineralization.

Lastly, and perhaps most importantly, The Property lies approximately 20 kilometers northeast of the Hyland Gold Project owned and operated by Argus Metals Corp. The Hyland Gold Project has recently (2011) been the subject of an advanced diamond drilling mineral exploration campaign, where The Main Zone gold inferred resource was updated to a N.I. 43-101 compliant 12,503,994 tonnes containing 361,692 ounces gold at 0.9 g/t and 2,248,948 ounces silver at 5.59 g/t at a 0.6 g/t gold equivalent ("AuEq") cutoff. Additionally, Argus Metals is advancing its Ike Project located approximately 50 kilometres southwest of the Tina Project.

7.0 PROPERTY GEOLOGY

There is a paucity of detailed Property geology for the Tina Property. Pigage et. al (2011) define the property to reside within the Vampire Formation-Narchilla Formation (undivided) which consists of dark grey to pale green, rusty tan-weathering, noncalcareous, pinstriped silty phyllite; lesser cream, quartzose sandstone and light grey-

weathering siltstone; minor quartzose pebbly conglomerate to sandstone and grey, bedded limestone; locally metamorphosed to biotite-garnet-staurolite schist; trace interbedded silky, non-calcareous, maroon phyllites.

Local structure and stratigraphy has not been mapped in detail.

8.0 DEPOSIT TYPE & MINERALIZATION

No known mineralization has been described on the Property by previous workers. The Property was identified and staked based on regional geochemical stream sediments survey analysis which included elevated and coincident Gold and Arsenic results. Argus Metals Corp. management is using the success of ATAC's Rau property exploration (staked, explored and drilled based on Au+As RGS stream sediment data) to identify potential gold mineralization targets. To date these theories have not been tested and there is no known deposit type or mineralization recorded on the Tina Property.

9.0 2011 SURFACE GEOCHEMISTRY PROGRAM

The surface geochemistry program on the Tina claim group in 2011 consisted of three components: stream sediment samples, soil samples, and the collection of rock samples. Each of these will be discussed separately in the following sections.

9.1 Stream Sediments

In the 2011 Tina exploration program a total of 52 stream sediment samples were collected from the Tina Property, including QA/QC samples. All stream sediment samples collected were sieved to either -20 or -12 mesh in the field, depending on the grain size present. The samples were sieved into 5 gallon plastic pails in order to retain fine clays. The sieved sample was then poured into a large synthetic cloth sample bag and the water squeezed out. The sieved sample was then poured into a large synthetic cloth sample bag and the water squeezed out. The samples were dried at the Hyland Camp, XRFed at the Argus XRF Hyland Camp Facility, then flown to Watson Lake and then transported by truck to Acme's preparation laboratory in Whitehorse. Once there, the samples were further dried and then sieved to minus 80 mesh (method code SS80). A 30 g split of this material was shipped to Acme's analytical facility in Vancouver where it was digested by *aqua regia* acid and analyzed by inductively coupled plasma mass spectrometry (ICP-MS; method code 1DX3).

External quality control consisted of the collection of duplicate stream sediment samples, the insertion of a certified reference material (Oreas 45b), and the use of a preparation blank (CDN BL-10). Laboratory quality control consisted of the use of pulp duplicates, an internal standard (DS8) and instrumental blank analyses. The accuracy of the data is considered to be high (Arne, 2012). There were insufficient field duplicate data to assess total variance of the data for Au. Pulp duplicates indicate a high analytical variance due to the presence of particulate Au. Total and analytical variances for the pathfinder elements As and Sb are acceptable. Future stream sediment sampling programs in the area should use bulk analytical methods for Au, such as bulk leach extractable gold (BLEG) in order to minimize the analytical variance.

The locations for the stream sediment samples are illustrated in Figure 4, along with a thematic illustration of Au values. The highest values obtained are indicated in text. Five samples draining to the west off the Tina claim group contain anomalous Au, and this confirms historical stream sediment data that indicate that streams on the western portion of the claim group are prospective.

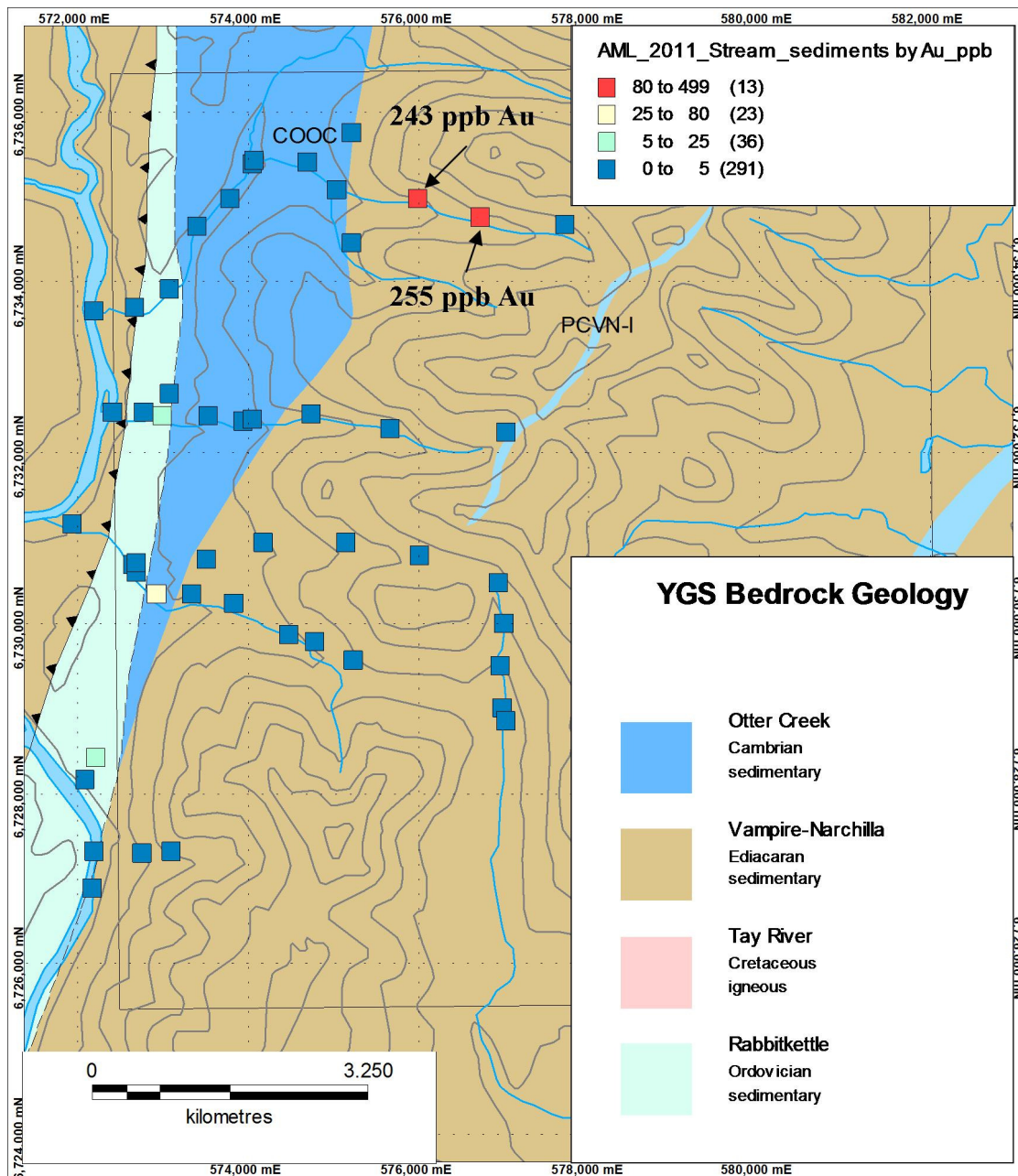


Figure 4: Summary of raw Au data from stream sediment samples collected at Tina in 2011.

9.2 Soil Samples

During the 2011 Tina exploration program a total of 207 soil samples were collected on the Tina group of claims in 2011, including quality control samples. "Ridge & spur" samples were generally restricted to higher elevations where the thickness of glacial till was minimal. The C-horizon was targeted for sampling through the use of shallow, hand dug soil pits. Where present at higher elevations, frost boils were preferentially sampled, particularly if they contained angular clasts of bedrock material. Sample spacing was 100 m. Approximately 250 g of soil material was collected at each site in a Kraft paper soil bag. The material was not sieved, but large rock clasts were removed during bagging of the sample. The samples were orgainized and dried at Hyland Exploration Camp, where they were XRFed in Argus Hyland Camp XRF facility and subsequently flown by fixed wing aircraft to Watson Lake in rice bags, and trucked to the Acme preparation laboratory in Whitehorse. The samples were further dried at Acme and then sieved to -80 mesh (method SS80). A pulp split was shipped to Acme in

Vancouver to be analyzed using a 15 g sample digested in *aqua regia* acid and analyzed by ICP-MS (method 1DX2).

External quality control consisted of the collection of duplicate soil samples, the insertion of a certified reference material (Oreas 45b), and the use of a preparation blank (CDN BL-10). Laboratory quality control consisted of the use of pulp duplicates, an internal standard (DS8) and instrumental blank analyses. The quality of the data is generally good, although there were possible issues related to contamination of some samples and a significant negative bias in the Zn data (Arne, 2012). The total variance determined from the field duplicate samples for Au, Sb and As is high. The analytical variance determined from the pulp duplicate data remains high for Au, but is acceptable for As and Sb. The only way to reduce the analytical variance for Au further would be to collect larger samples in the field, sieve to a finer grain size (e.g. -230 mesh), and analyze a 30 g split, or to use a clay separate (< 2 microns).

The distribution of soil samples collected on the Tina claim group in 2011 is shown in Figure 5. Also shown on this figure are samples anomalous in Au and As. The pathfinder element As, along with Sb and Bi, is elevated at the nearby Hyland Au deposit, located approximately 28 km to the south-southwest of the centre of the Tina claim group. The sample points have been colour-coded on Figure 5 to show the presence of samples anomalous in one or more of the pathfinder elements. However, none of the samples are anomalous in either Sb or Bi. The samples points are also sized according to their Au content. Three of the samples with anomalous As are also elevated in Au (Arne, 2012).

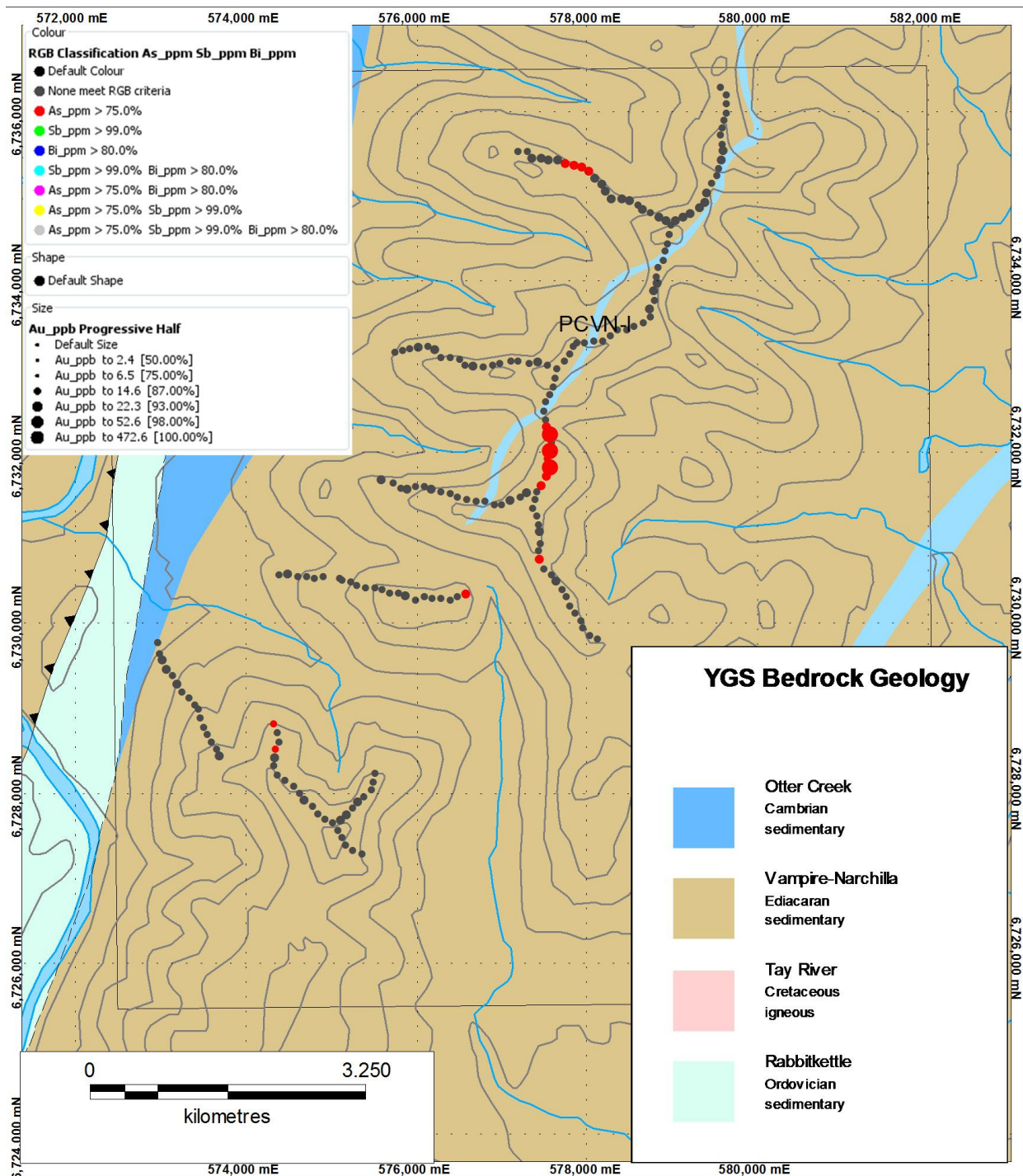


Figure 5: Summary of 2011 soil sample results for Au, As, Sb and Bi from the Tina claim group.

9.3 Rock Samples

A total of 17 rock samples were collected on the Tina group of claims in 2011 and subsequently analyzed. These consisted of samples between 0.5 and 1.0 kg in weight and were collected along ridges that were also sampled for soil (Figure 6). The samples were flown to Watson Lake where they were transported by truck to the Acme preparation laboratory in Whitehorse. Once there, the samples were crushed to -2 mm and a 200 to 250 g split was pulverized to a nominal 85 % less than 75 microns. A pulp split was shipped to Acme in Vancouver to be analyzed using a 30 g fire assay (method 601), as well as a range of 41 elements by ICP-MS following a multi-acid

digestion (method 1EX). No independent quality control samples were included with the rock submissions and data quality has not been assessed.

All samples contained Au levels close to or below the 1 ppb detection limit. However, several samples are elevated in either As, Sb and Bi (Figure 6).

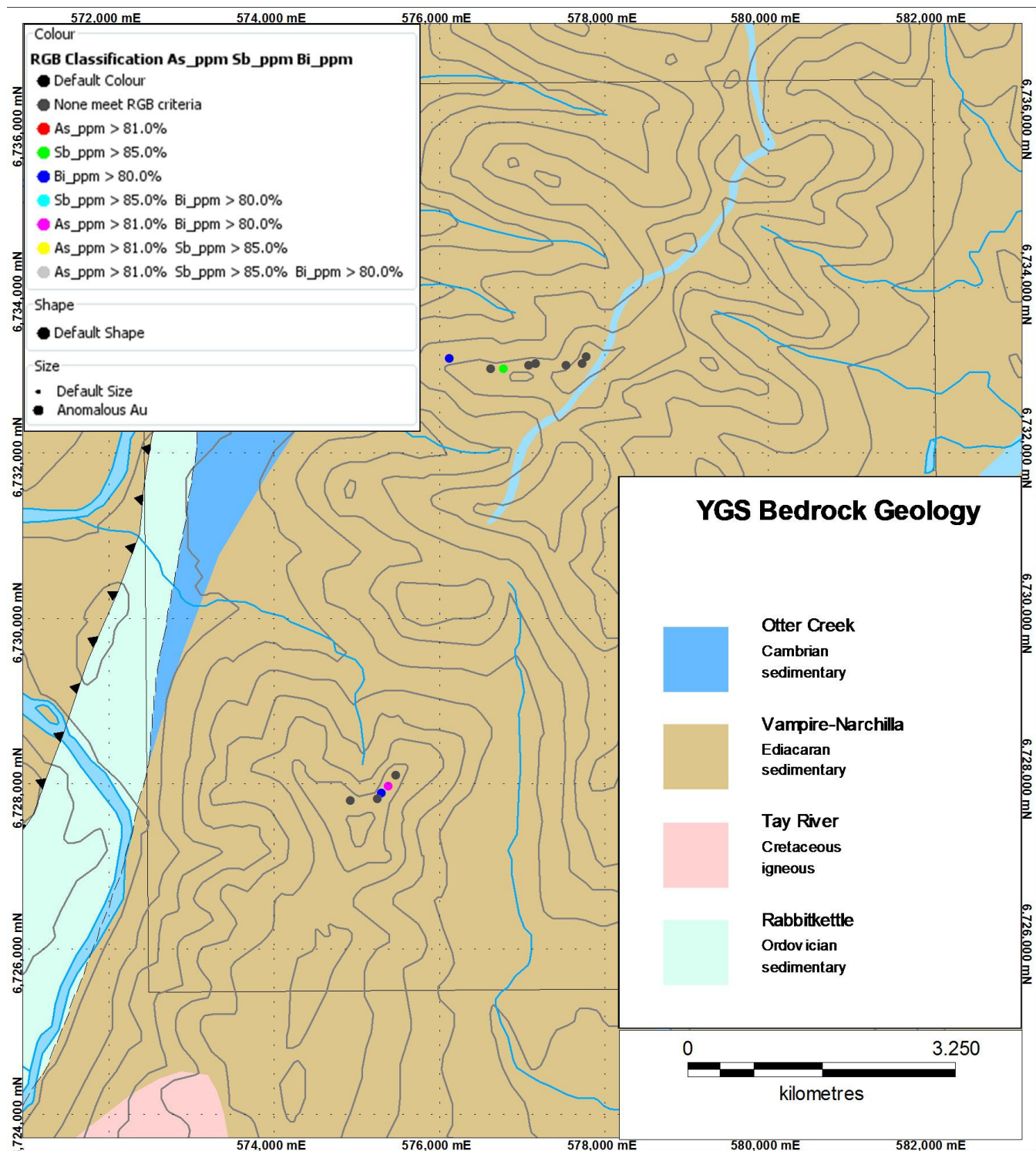


Figure 6: Summary of 2011 rock sample results for Au, As, Sb and Bi from the Tina claim group.

10.0 DISCUSSION & CONCLUSIONS

The Tina 2011 exploration program was successful in accessing and geochemically sampling portions of the large Tina Property and identifying high priority geochemical gold and arsenic anomalies for follow-up programs. In specific, stream sediment geochemical surveys have confirmed anomalous Au values in creeks within the Tina sampling area as indicated by historical stream sediment data. Anomalous Au data in “ridge and spur” soil samples are associated with elevated levels of As in the samples. The few rock samples collected during the 2011 field program failed to return any significant Au values, but some of them contain elevated As, Sb and Bi. The claim area has only been lightly prospected, and more rock sampling is required to identify the source of Au entering the streams on the western side of the claim group. The property has not been extensively prospected, and many high priority stream sediment and soil Au anomalies remain to be investigated.

APPENDIX A – Statement of Qualifications

Certification – Paul D. Gray, P.Geo.

I, Paul Gray, of the city of Vancouver, in the Province of British Columbia, HEREBY CERTIFY:

1. That I worked at the property from June 20th to September 30th, 2011.
2. I graduated with a Bachelor of Science degree in Earth Science from the Dalhousie University in 1997 and with an Honours Bachelor of Science degree in Earth Science from Dalhousie University in 2004.
3. I am a member of the Association of Engineers and Geoscientists of British Columbia, Registered in the Province of British Columbia (APEGBC No. 29833).
4. I have practiced my profession as a geologist for 17 years, working in British Columbia, the Yukon and Northwest Territories, the United States of America, Central America, South America, and Asia. In particular, I have worked as an exploration geologist with a focus on base metals and precious metals exploration in British Columbia, the Yukon Territory
5. That I am Director, Business Development and an Officer of Argus Metals Corp. which conducted the fieldwork at the Hyland Property.

SIGNED at Vancouver, B.C. this 17th day of May, 2012

Paul D. Gray, P.Geo.

Certification – Sarah Hasek, B.Sc.

I, Sarah Hasek, of the city of Vancouver, in the Province of British Columbia, HEREBY CERTIFY:

1. That I am a graduate of Simon Fraser University (B.Sc. Earth Science, 2008).
2. That I have been engaged in mineral exploration and development on a seasonal basis from 2004 to 2008, and on a full-time basis for four years.
3. That I am a contract employee of Argus Metals Corp. which conducted the fieldwork at the Hyland Property.

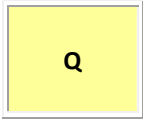
SIGNED at Vancouver, B.C. this 17th day of May, 2012

Sarah Hasek, B.Sc.

APPENDIX B – Bedrock Geology Legend, Regional Units (Figure 3)

Adapted from Yukon Geological Survey website, EMR, Yukon Government
(<http://www.geology.gov.yk.ca/mapgallery/203.html>)

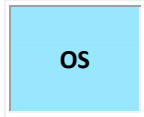
QUATERNARY



Q: QUATERNARY

unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluvial silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

MIDDLE ORDOVICIAN



OS: SUNBLOOD

mainly buff, rouge and light grey weathering platy dolomite and limestone; local interbedded light and dark grey fine crystalline and white coarse crystalline dolomite at base; rare thick beds of light blue-grey limestone (**Sunblood**)

UPPER CAMBRIAN AND ORDOVICIAN



COR: RABBITKETTLE

basinal limestone (1) that may locally include older and younger basinal pelitic strata undivided (2)

1. thin bedded, wavy banded, silty limestone and grey lustrous calcareous phyllite; limestone intraclast breccia and conglomerate; massive to laminated, grey quartzose siltstone and chert and rare black slate; local mafic flows, breccia, and tuff (**Rabbitkettle**)
2. as in COR1, but may include Middle Cambrian and Middle Ordovician beds undivided

UPPER PROTEROZOIC TO LOWER CAMBRIAN



PCH: HYLAND

consists upwards of coarse turbiditic clastics (1), limestone (2) and fine clastics typified by maroon and green shale (3); may include younger (4) units; includes scattered mafic volcanic rocks (5) (**Hyland Gp.**)

1. thin to thick bedded, brown to pale green shale, fine to coarse grained quartz-rich sandstone, grit, and quartz-pebble conglomerate; minor argillaceous limestone; phyllite, quartzofeldspathic and micaceous psammite, gritty psammite and minor marble (**Hyland Gp., Yusezyu**)
2. grey weathering, dark grey to grey white, thin to thick bedded, very fine crystalline limestone, locally sandy; calc-silicate and marble; may locally include carbonate members within (1) or (4) (**Hyland Gp., Algae Lake , limestone member of Yusezyu**)
3. distinctive, recessive, maroon weathering, interbedded maroon and apple-green slate; "Oldhamia" trace fossils; rare grey chert; locally basal member and interbeds of quartz siltstone, sandstone and quartz-pebble conglomerate (**Hyland Gp., Narchilla , Senoah , Arrowhead Lake**)
4. quartzose clastic rocks as described in (1); mostly(?) equivalent to (1) but may include younger units (**Hyland Gp., mostly(?) Yusezyu**)
5. dark brown- and green- to light grey-weathering dark green volcanic rocks, commonly with calcite filled vesicles, breccia, tuff, and agglomerate; minor interbedded shale, chert, siltstone, and limestone (**Hyland Gp.**)

LOWER CAMBRIAN



ICS: SEKWI

limestone, locally wavy bedded and nodular; limestone conglomerate slope breccia; massive grey dolostone; medium- to thick-bedded quartz sandstone; purple siltstone; bright orange weathering, fine crystalline dolostone (**Sekwi**)

UPPER PROTEROZOIC TO LOWER CAMBRIAN



uPCV: VAMPIRE

dark brown weathering. thin-bedded, argillaceous fine-grained sandstone and siltstone, minor interbedded medium- to coarse grained white to light grey orthoquartzite; phyllite, slate, and argillite (**Vampire**)

APPENDIX C – References

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- Pigage, L. C., Abbott, J. G., and Roots, C. F., 2011, Bedrock geology of Coal River map area (NTS 95D), Yukon Geological Survey, scale 1:250,000

APPENDIX D – Statement of Expenditures

PROFESSIONAL FEES AND WAGES

Brent McNiven, Project Manager/Geologist	3 days	\$400/day	\$ 1,100
Cesar Santiago Pinto Expinoza, Geologist	5 days	\$350/day	\$ 1,750
Hildebrando Paredes Vassalio, Geologist	3 days	\$350/day	\$ 1,050
William Shackel, Sampler	2 days	\$250/day	\$ 500
Sarah Hasek, B.Sc./Report compilation	2 days	\$400/day	\$ 800

EXPENSES

Soil Sampling Management (Skookum Log Craft)		\$ 16,620
Helicopter Charter		\$ 55,304
Fuel		\$ 6,368

SAMPLE ANALYSIS

Stream Sediment	52 samples	\$24.50/sample	\$ 1,274
Soil Sediment	207 samples	\$24.50/sample	\$ 5,071
Rock	17 samples	\$24.50/sample	\$ 416

TOTAL EXPENDITURES		\$ 90,253
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APPENDIX E – Sample Descriptions

In Pockets

Sample Number	Sample Type	Easting (Nad 83)	Northing (Nad 83)	Elevation (m)	Date	Colour	Comment	Job Number	WGHT-Kg	Au g/t-G6	Pt g/t-G6	Pd g/t-G6	Ag g/t-7AR	Mn-ppm-1EX	Cu-ppm-1EX	Pb-ppm-1EX	Zn-ppm-1EX	Ag-ppm-1EX	Ni-ppm-1EX	Co-ppm-1EX	Mn-ppm-1EX	Fe-%-1EX	Au-ppm-1EX	U-ppm-1EX	Au-ppm-1EX	Th-ppm-1EX	Sc-ppm-1EX	Cd-ppm-1EX	Sb-ppm-1EX	Bi-ppm-1EX	V-ppm-1EX	Ce-%-1EX	P-%-1EX	La-ppm-1EX	Cr-ppm-1EX	Mg-%-1EX	Ba-ppm-1EX	Ti-%-1EX	Al-%-1EX	Na-%-1EX	K-%-1EX	W-ppm-1EX	Zr-ppm-1EX	Ce-ppm-1EX	Se-ppm-1EX	Y-ppm-1EX	Nb-ppm-1EX	Ta-ppm-1EX	Re-ppm-1EX	Sc-ppm-1EX	U-ppm-1EX	S-%-1EX	Rb-ppm-1EX	Hf-ppm-1EX
1110704	576127	6733134						WH111000737	0.64	<0.01	<0.01	<0.01	<2	0.5	4.6	7.2	27	<0.1	6.3	5.9	283	1.83	85	21	<0.1	11.7	139	<0.1	0.4	1.3	36	1.21	0.033	26.3	12	0.48	467	0.158	446	1.205	1.88	1.0	32.3	46	2.6	7.9	7.2	0.7	1	5	22.6	<0.1	85.3	1.1
1110705	576634	6733014						WH111000923	3.30	<0.01	<0.01	<0.01	<2	0.3	23.2	31.8	80	<0.1	37.7	20.3	502	5.14	139	4.2	<0.1	36.7	74	<0.1	0.5	0.7	84	0.09	0.046	63.7	96	0.87	771	0.497	12.88	0.546	4.23	2.5	18.8	132	4.0	32.8	24.8	1.4	1	21	77.4	<0.1	140.8	0.5
1110706	577085	6733056						WH111000923	2.24	0.07	<0.01	<0.01	<2	0.4	7.1	3.9	21	<0.1	10.3	3.6	122	1.19	41	0.3	<0.1	2.4	19	<0.1	0.6	0.4	9	0.07	0.016	5.5	26	0.26	72	0.066	13.4	0.176	0.37	0.3	2.0	11	0.5	3.3	2.6	0.2	<1	1	14.7	<0.1	26.4	<0.1
1110707	577185	6733062						WH111000923	1.20	<0.01	<0.01	<0.01	<2	0.4	27.9	31.3	35	0.2	32.0	15.4	572	4.29	26	3.3	<0.1	23.5	198	<0.1	0.7	0.6	121	2.66	0.033	53.7	105	1.21	1761	0.512	11.24	0.390	3.52	5.3	29.7	108	3.5	26.2	17.5	1.2	2	20	52.7	0.4	127.8	0.8
1110708	577185	6733062						WH111000923	1.03	<0.01	<0.01	<0.01	<2	0.2	2.7	14.3	11	<0.1	1.7	0.5	274	0.32	<1	1.0	<0.1	0.5	1253	<0.1	2.1	<0.1	2	32.93	0.027	3.6	14	0.47	117	0.005	0.26	0.005	0.07	0.2	1.3	6	<0.1	3.0	0.3	<0.1	<1	<1	1.7	<0.1	2.5	<0.1
1110709	577580	6733042						WH111000923	1.70	<0.01	<0.01	<0.01	<2	0.3	8.3	21.9	30	<0.1	8.6	2.7	147	1.75	17	2.3	<0.1	23.7	91	<0.1	0.5	0.2	43	0.25	0.029	38.7	35	0.27	726	0.282	6.71	1.167	2.27	2.3	15.1	81	3.1	14.3	10.1	0.6	<1	9	19.4	<0.1	94.9	0.4
1110710	577789	6733153						WH111000923	1.72	<0.01	<0.01	<0.01	<2	0.4	11.1	11.0	50	<0.1	33.7	17.6	491	5.59	16	2.7	<0.1	38.3	112	<0.1	0.3	0.3	100	0.11	0.043	38.4	101	1.22	952	0.534	11.36	0.538	3.01	2.3	18.8	68	4.3	21.0	21.5	1.5	2	22	73.5	<0.1	107.0	0.6
1110711	575401	6727865						WH111001085	1.62	0.02	<0.01	<0.01	<2	0.8	5.6	5.7	4	<0.1	3.2	1.4	82	1.72	686	1.2	<0.1	5.7	17	<0.1	1.1	21.8	23	0.05	0.010	22.9	22	0.14	240	0.073	2.91	0.077	1.33	1.9	27.4	42	7.3	3.0	1.9	0.1	<1	3	3.1	<0.1	62.6	0.8
1110712	575313	6727875						WH111001085	3.19	<0.01	<0.01	<0.01	<2	0.2	10.7	9.2	8	<0.1	6.0	2.8	162	1.60	164	0.6	<0.1	4.2	26	<0.1	1.1	1.8	11	0.06	0.010	9.3	13	0.10	104	0.040	1.40	0.120	0.53	0.3	11.6	17	1.7	2.6	1.0	<0.1	<1	2	3.4	<0.1	26.6	0.3
1110715	575273	6727808						WH111001085	3.28	0.02	<0.01	<0.01	<2	0.3	8.9	5.5	7	<0.1	4.7	1.5	86	2.93	241	0.8	<0.1	7.4	9	<0.1	2.2	17.7	18	0.01	0.022	17.7	16	0.12	127	0.047	2.48	0.052	1.09	1.0	28.5	32	4.8	3.3	1.0	<0.1	<1	3	4.9	<0.1	50.6	0.8
1110716	562770	6701546						WH111001085	1.78	<0.01	<0.01	<0.01	<2	0.2	4.3	2.0	5	<0.1	3.4	0.7	66	0.74	6	1.2	<0.1	9.0	8	<0.1	0.5	0.3	10	<0.01	0.006	34.9	9	0.13	105	0.043	1.62	0.043	0.56	0.4	33.8	28	1.5	3.8	1.2	0.1	<1	1	10.1	<0.1	29.0	1.0
1110717	562690	6701350						WH111001085	1.74	<0.01	<0.01	<0.01	<2	0.2	63.8	5.2	8	<0.1	9.2	3.8	460	1.84	28	2.1	<0.1	8.6	27	<0.1	1.0	0.4	23	0.02	0.020	14.0	20	0.14	320	0.085	2.95	0.133	1.27	1.5	34.1	25	3.5	6.6	1.5	0.1	<1	3	7.1	<0.1	63.8	1.1
1110805	576782	6733011						WH111001733	3.72	0.008				0.4	43.9	32.3	49	<0.1	33.4	13.8	348	3.04	1	4.0	<0.1	23.6	164	<0.1	37.5	0.5	89	1.44	0.036	57.9	72	1.08	1313	0.507	11.20	0.412	4.79	5.2	40.3	122	5.0	26.9	22.1	1.4	3	17	82.5	0.8	142.6	1.1
1110806	577749	6733064						WH111001733	2.24	<0.005				0.2	3.4	0.6	2	<0.1	2.0	0.5	25	0.58	51	0.1	<0.1	1.1	3	<0.1	0.5	<0.1	<1	0.04	0.002	0.7	5	<0.01	2	0.002	0.08	0.013	0.02	<0.1	0.2	1	<0.1	0.3	<0.1	<0.1	<1	<1	4.0	<0.1	0.8	<0.1
1110807	575486	6728090						WH111001733	1.94	<0.005				0.1	4.5	4.0	16	<0.1	5.2	2.4	104	0.94	7	0.6	<0.1	1.0	49	<0.1	0.8	<0.1	10	0.20	0.069	13.0	6	0.12	47	0.059	1.75	0.505	0.26	0.3	4.3	28	0.4	6.6	1.8	<0.1	1	1	20.5	<0.1	13.2	<0.1
1110808	575273	6727808						WH111001733	2.19	<0.005				0.2	16.3	11.0	43	<0.1	6.6	1.8	158	2.74	8	0.9	<0.1	7.2	43	<0.1	0.6	0.1	29	0.03	0.031	20.4	25	0.37	150	0.116	3.18	0.219	0.90	0.4	11.1	33	1.0	4.2	3.6	0.2	1	5	28.5	<0.1	46.7	0.4
1110809	574930	6727772						WH111001733	2.75	<0.005				0.1	7.3	25.7	18	<0.1	7.7	6.6	1380	2.56	10	1.4	<0.1	3.4	631	<0.1	0.3	0.2	7	24.93	0.049	12.6	7	0.84	53	0.036	1.57	0.423	0.29	0.3	13.8	29	0.4	15.2	1.1	<0.1	<1	2	10.1	<0.1	12.7	0.4

Sample Number	Eastng (Nad 83)	Northing (Nad 83)	Elevation (m)	Date	Depth (cm)	Color	Mesh size (µm)	Rating	Stream width (m)	Flow rate	Comments	Job Number	Mo-ppm-10X15	Cu-ppm-10X15	Pb-ppm-10X15	Zn-ppm-10X15	Ag-ppm-10X15	Ni-ppm-10X15	Co-ppm-10X15	Mn-ppm-10X15	Fe-%-10X15	As-ppm-10X15	Au-ppb-10X15	Th-ppm-10X15	Sr-ppm-10X15	Cd-ppm-10X15	Sb-ppm-10X15	Bi-ppm-10X15	V-ppm-10X15	Ca-%-10X15	P-%-10X15	La-ppm-10X15	Cr-ppm-10X15	Mg-%-10X15	Ba-ppm-10X15	Ti-%-10X15	B-ppm-10X15	Al-%-10X15	Na-%-10X15	K-%-10X15	W-ppm-10X15	Hg-ppm-10X15	Se-ppm-10X15	Tl-ppm-10X15	S-%-10X15	Ga-ppm-10X15	Sc-ppm-10X15	Te-ppm-10X15
1108859	572190	6733559	786	9/2/2011	0-10	Brown	20	good	3.0-4.0	fast	side of large pool	WH11001415	0.9	20.0	15.0	78	<0.1	22.5	11.7	360	2.89	11.2	2.1	5.6	53	0.3	1.3	0.3	32	1.71	0.053	15	20	0.88	140	0.021	<1	1.02	0.010	0.11	0.1	0.03	2.6	0.1	<0.05	3	<0.5	<0.2
1108861	572669	6733708	791	9/2/2011	0-10	Brown	20	good	3.0-4.0	fast	pool behind boulder	WH11001415	0.9	20.0	15.7	76	<0.1	23.7	11.1	386	2.44	10.5	<0.5	5.7	59	0.5	1.1	0.3	28	1.84	0.052	16	17	0.85	159	0.019	<1	1.00	0.009	0.10	0.1	0.04	2.6	<0.1	<0.05	3	0.6	<0.2
1108862	573078	6733917	816	9/2/2011	10-0-20.0	Brown	20	good	4.0-5.0	fast	pool behind boulder	WH11001415	0.9	23.1	15.1	78	<0.1	22.9	11.9	404	2.44	10.3	1.9	5.5	51	0.5	1.1	0.3	28	1.72	0.053	16	18	0.85	162	0.023	<1	1.05	0.010	0.11	0.1	0.04	2.7	0.1	<0.05	3	<0.5	<0.2
1108863	573394	6734650	867	9/2/2011	0-10	Brown	20	good	5.0-6.0	fast	side channel	WH11001415	0.8	16.5	12.6	65	<0.1	19.4	9.6	341	2.12	8.3	0.7	5.5	65	0.4	0.7	0.2	26	2.07	0.054	16	16	0.84	137	0.016	<1	0.99	0.009	0.09	0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1108864	573778	6734871	875	9/2/2011	0-10	Brown	20	poor	3.0-4.0	fast	side bar	WH11001415	0.7	18.3	13.3	72	<0.1	21.9	10.7	373	2.40	9.5	1.6	5.8	57	0.4	0.7	0.2	28	1.78	0.059	17	18	0.88	144	0.022	<1	1.07	0.010	0.11	0.2	0.03	2.3	0.1	<0.05	3	<0.5	<0.2
1108865	573905	6735383	912	9/2/2011	0-10	Brown	20	poor	3.0-4.0	fast	side bar	WH11001415	0.7	17.6	12.9	65	<0.1	20.5	10.0	354	2.28	9.3	1.5	5.4	58	0.4	0.7	0.2	26	1.85	0.051	15	17	0.85	133	0.020	<1	1.02	0.010	0.10	0.2	0.04	2.2	0.1	<0.05	3	0.7	<0.2
1108866	574071	6735431	902	9/2/2011	0-10	Brown	20	good	2.0-3.0	fast	side channel	WH11001415	0.8	17.4	13.5	69	<0.1	20.2	9.8	353	2.19	8.9	0.8	5.8	67	0.4	0.7	0.2	27	2.06	0.061	17	17	0.82	160	0.015	<1	1.06	0.009	0.09	0.2	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1108867	574882	6735422	932	9/2/2011	0-10	Brown	20	poor	2.0-3.0	fast	leg jam	WH11001415	0.6	12.5	10.0	52	<0.1	18.1	8.9	322	2.19	8.5	0.7	5.9	27	0.3	0.7	0.2	33	1.27	0.045	18	19	0.75	112	0.036	<1	0.89	0.011	0.13	0.4	0.02	1.7	0.1	<0.05	3	<0.5	<0.2
1108876	575294	6735481	799	9/2/2011	0-10	Clear	20	moderate	2.0-3.0	fast	side bar	WH11001415	0.5	19.0	15.8	65	0.1	23.3	11.0	313	2.13	22.0	<0.5	5.4	25	0.3	0.8	0.3	23	0.89	0.044	18	16	0.54	108	0.030	<1	0.91	0.008	0.12	0.2	0.03	1.8	0.1	<0.05	3	<0.5	<0.2
1108877	575263	6735476	845	9/2/2011	10-0-20.0	Brown	20	moderate	1.0-2.0	medium	side bar	WH11001415	0.6	13.0	12.6	54	<0.1	16.9	8.4	283	1.94	9.4	0.6	5.3	34	0.4	0.7	0.2	26	0.99	0.044	16	14	0.48	130	0.018	1	0.67	0.008	0.06	0.3	0.01	1.6	<0.1	<0.05	2	<0.5	<0.2
1108878	572766	6732471	824	9/2/2011	10-0-20.0	Brown	20	good	1.0-2.0	medium	side bar	WH11001415	0.7	14.5	13.6	56	0.1	17.5	9.0	318	1.91	9.5	3.3	5.2	33	0.3	0.8	0.2	24	1.01	0.043	15	14	0.50	131	0.018	8	0.72	0.010	0.07	0.2	0.04	1.6	<0.1	<0.05	2	<0.5	<0.2
1108879	572983	6732443	846	9/2/2011	10-0-20.0	Clear	20	moderate	4.0-5.0	fast	side bar	WH11001415	0.6	22.3	13.6	68	<0.1	28.8	15.0	255	2.68	43.8	7.9	7.0	19	0.2	0.9	0.3	25	0.50	0.044	23	22	0.64	76	0.059	<1	1.25	0.008	0.22	0.4	0.03	2.4	0.2	<0.05	4	<0.5	<0.2
1108880	573524	6733031	924	9/2/2011	10-0-20.0	Clear	20	moderate	2.0-3.0	fast	side bar	WH11001415	0.7	22.4	14.0	69	<0.1	28.9	14.4	333	2.61	41.1	1.6	6.9	22	0.3	1.1	0.3	25	0.99	0.043	22	21	0.79	77	0.050	<1	1.18	0.008	0.21	0.3	0.03	2.3	0.2	<0.05	3	<0.5	<0.2
1108881	573992	6732362	950	9/2/2011	10-0-20.0	Clear	20	moderate	2.0-3.0	fast	side bar	WH11001415	0.3	22.8	12.4	68	<0.1	31.2	15.8	351	2.72	53.4	0.6	7.2	35	0.2	0.5	0.3	24	0.33	0.036	23	25	0.63	72	0.071	1	1.41	0.008	0.27	0.4	0.02	2.1	0.2	<0.05	4	0.6	<0.2
1108883	576724	6734768	1145	9/7/2011	0-10	Brown	20	poor	2.0-3.0	medium	small pool	WH11001415	0.3	24.7	9.9	49	0.1	33.8	16.6	323	3.07	16.2	255.1	5.9	23	0.1	0.2	0.3	31	0.33	0.034	17	31	0.81	87	0.100	<1	1.84	0.013	0.34	0.5	0.02	2.7	0.4	<0.05	5	<0.5	<0.2
1108885	575984	6734989	1046	9/7/2011	0-10	Brown	20	poor	2.0-3.0	fast	side bar	WH11001415	0.2	23.0	7.7	49	<0.1	31.0	15.1	307	2.87	12.9	243.4	5.8	19	0.1	0.2	0.3	28	0.33	0.033	16	26	0.76	76	0.096	<1	1.67	0.012	0.33	0.5	0.02	2.6	0.4	<0.05	5	<0.5	<0.2
1108886	575208	6735749	966	9/7/2011	0-10	Brown	20	moderate	3.0-4.0	fast	side channel	WH11001415	0.2	21.1	7.7	52	<0.1	27.1	13.2	272	2.64	9.6	1.6	6.2	21	0.2	0.3	0.3	27	0.44	0.037	15	24	0.71	75	0.084	<1	1.46	0.016	0.31	0.4	0.03	2.4	0.4	<0.05	5	<0.5	<0.2
1108887	575033	6735080	984	9/7/2011	0-10	Brown	20	poor	2.0-3.0	fast	side bar	WH11001861	0.4	20.9	10.9	76	<0.1	26.2	13.1	458	2.65	23.7	1.4	5.9	24	0.2	1.7	0.3	23	2.39	0.043	19	20	1.57	94	0.052	1	1.25	0.010	0.36	0.5	0.04	2.4	0.2	<0.05	4	0.7	<0.2
1108888	575207	6734452	1044	9/7/2011	0-10	Brown	20	poor	2.0-3.0	fast	behind boulder	WH11001861	0.5	16.9	10.3	71	<0.1	24.0	12.5	405	2.67	19.6	0.7	6.2	21	0.2	1.6	0.2	25	2.27	0.039	18	20	1.55	71	0.056	1	1.20	0.011	0.17	0.4	0.02	2.1	0.2	<0.05	4	0.5	<0.2
1108889	575221	6729562	1033	9/8/2011	0-10	Brown	20	moderate	1.0-2.0	medium	gravel bar	WH11001861	0.6	16.5	10.9	81	<0.1	22.4	10.0	356	2.20	17.0	<0.5	4.3	14	0.4	0.6	0.2	25	0.33	0.048	20	16	0.33	97	0.015	<1	0.78	0.005	0.06	0.4	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1108890	574781	6729778	1005	9/8/2011	0-10	Brown	20	moderate	1.0-2.0	medium	tributary / side pool	WH11001861	0.5	20.9	12.3	80	<0.1	25.3	11.5	348	2.85	27.6	1.1	8.0	13	0.2	0.6	0.3	19	0.26	0.041	26	16	0.45	73	0.007	1	1.09	0.005	0.03	0.3	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1108891	574460	6729869	938	9/8/2011	10-20	Brown	20	good	1.0-2.0	fast	eddy pool	WH11001861	0.6	14.1	10.2	64	<0.1	19.6	8.6	282	2.29	13.6	0.9	6.4	13	0.2	0.6	0.2	27	0.24	0.043	23	17	0.33	94	0.012	<1	0.69	0.005	0.04	0.3	0.02	1.3	<0.1	<0.05	2	<0.5	<0.2
1108892	573836	6730225	927	9/8/2011	0-10	Brown	20	good	2.0-3.0	medium	side bar	WH11001861	0.6	14.3	9.6	63	<0.1	19.3	8.2	297	2.16	15.8	0.5	6.0	15	0.4	0.5	0.2	26	0.26	0.045	23	16	0.30	100	0.010	<1	0.65	0.006	0.03	0.4	0.02	1.2	<0.1	<0.05	2	0.6	<0.2
1108890	577703	6734675	1236	9/7/2011	0-10	Brown	20	poor	1.0-2.0	medium	undercut bank	WH11001861	0.3	30.5	9.4	44	<0.1	41.2	18.8	288	3.22	10.8	1.6	5.5	23	<0.1	0.2	0.3	38	0.50	0.035	14	36	1.11	93	0.125	<1	2.05	0.015	0.50	0.5	0.02	3.5	0.5	<0.05	6	<0.05	<0.2
1110851	573332	6730346	883	9/8/2011	0-10	Brown	20	good	3.0-4.0	fast	side pool	WH11001861	0.5	17.7	11.3	67	<0.1	24.0	10.5	318	2.32	20.8	1.1	6.8	14	0.2	0.5	0.3	19	0.27	0.047	24	16	0.44	75	0.018	<1	0.93	0.005	0.06	0.3	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1110852	572635	6730680	826	9/8/2011	0-10	Brown	20	good	2.0-3.0	fast	large pool	WH11001861	0.6	14.4	10.9	59	<0.1	19.3	8.4	277	1.95	13.0	0.9	5.6	19	0.3	0.6	0.2	21	0.37	0.045	19	15	0.34	102	0.013	<1	0.65	0.006	0.04	0.3	0.02	1.3	<0.1	<0.05	2	0.6	<0.2
1110853	573190	6731157	787	9/8/2011	0-10	Brown	20	good	4.0-5.0	fast	behind rock	WH11001861	1.4	17.3	16.9	70	<0.1	24.1	12.2	524	2.07	11.7	0.6	5.9	28	0.6	0.9	0.5	30	0.60	0.046	19	16	0.37	156	0.014	1	0.65	0.008	0.05	0.3	0.						

Sample Number	Easting (Nad 83)	Northing (Nad 83)	Elevation (m)	Date	Moisture	Depth (cm)	Colour	Dominant Component	Site Rating	Comment	Job Number	Mp-gpm-10X15	Cu-gpm-10X15	Pb-gpm-10X15	Zn-gpm-10X15	Ag-gpm-10X15	Ni-gpm-10X15	Cd-gpm-10X15	Mn-gpm-10X15	Fe-%-10X15	Au-gpm-10X15	Th-gpm-10X15	Sr-gpm-10X15	Cd-gpm-10X15	Sb-gpm-10X15	Bi-gpm-10X15	V-gpm-10X15	Ca-%-10X15	P-%-10X15	La-gpm-10X15	C-gpm-10X15	Mg-%-10X15	Ba-gpm-10X15	Th-%-10X15	B-gpm-10X15	Al-%-10X15	N-%-10X15	K-%-10X15	V-gpm-10X15	Hg-gpm-10X15	Sc-gpm-10X15	Ti-gpm-10X15	Sr-%-10X15	Ga-gpm-10X15	Se-gpm-10X15	Ta-gpm-10X15	
1109901	575955	6735601	1671	9/6/2011	damp	20-30	brown	clay	good		WH11001859	0.8	51.1	8.4	46	<-0.1	29.2	14.4	215	3.42	10.2	2.1	4.2	9	<-0.1	0.3	0.5	22	0.02	0.054	34	24	0.559	38	0.019	<-1	1.74	0.019	0.07	0.1	0.06	1.1	0.1	0.11	5	<-0.5	<-0.2
1109902	575961	6735616	1663	9/6/2011	damp	20-30	brown	clay	poor		WH11001859	0.5	24.4	6.8	81	<-0.1	29.2	14.4	215	3.42	10.2	2.1	4.2	9	<-0.1	0.3	0.5	22	0.02	0.054	34	24	0.559	38	0.019	<-1	1.74	0.019	0.07	0.1	0.06	1.1	0.1	0.11	5	<-0.5	<-0.2
1109903	575956	6735499	1603	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.5	24.4	6.8	81	<-0.1	29.2	14.4	215	3.42	10.2	2.1	4.2	9	<-0.1	0.3	0.5	22	0.02	0.054	34	24	0.559	38	0.019	<-1	1.74	0.019	0.07	0.1	0.06	1.1	0.1	0.11	5	<-0.5	<-0.2
1109904	575955	6735332	1559	9/6/2011	damp	20-30	brown	clay	good	ridge top	WH11001859	0.7	19.6	13.3	54	<-0.1	24.7	13.0	262	2.74	11.7	1.3	3.9	8	0.1	0.4	0.4	28	0.04	0.047	19	23	0.56	49	0.044	<-1	1.53	0.006	0.09	0.2	0.02	1.6	0.2	<-0.5	5	0.6	<-0.2
1109905	575952	6735233	1518	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109906	575948	6735144	1467	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109907	575948	6735144	1517	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109908	575935	6734951	1553	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.8	10.3	13.3	48	<-0.1	15.5	7.4	221	2.47	10.8	2.7	3.9	7	0.1	0.5	0.3	27	0.05	0.035	18	19	0.38	47	0.028	<-1	1.42	0.004	0.07	0.3	0.03	1.3	0.1	<-0.5	4	<-0.5	<-0.2
1109909	575917	6734843	1538	9/6/2011	damp	20-30	brown	clay	moderate	ridge top	WH11001859	0.4	20.2	9.0	40	<-0.1	21.6	9.7	185	2.86	11.4	6.4	4.3	7	0.1	0.5	0.4	26	0.04	0.033	17	22	0.54	39	0.048	11	1.44	0.007	0.16	0.1	0.03	1.4	0.2	<-0.5	5	<-0.5	<-0.2
1109910	575929	6734804	1463	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.8	10.3	13.3	48	<-0.1	15.5	7.4	221	2.47	10.8	2.7	3.9	7	0.1	0.5	0.3	27	0.05	0.035	18	19	0.38	47	0.028	<-1	1.42	0.004	0.07	0.3	0.03	1.3	0.1	<-0.5	4	<-0.5	<-0.2
1109911	575941	6734736	1633	9/6/2011	damp	20-30	brown	clay	good	ridge top	WH11001859	0.3	31.8	6.4	35	<-0.1	31.9	16.2	166	3.11	7.2	3.5	9.5	13	<-0.1	0.3	0.4	23	0.08	0.044	27	26	0.78	47	0.053	<-1	1.69	0.013	0.27	0.2	<-0.1	2.1	0.3	<-0.5	5	<-0.5	<-0.2
1109913	575937	6734706	1655	9/6/2011	damp	20-30	brown	clay	moderate	ridge top	WH11001859	0.6	26.0	8.3	60	<-0.1	22.6	11.5	148	3.08	15.8	4.3	3.9	7	<-0.1	0.2	0.5	24	0.02	0.044	25	25	0.67	39	0.028	<-1	1.72	0.010	0.20	0.2	0.04	1.3	0.2	0.06	6	<-0.5	<-0.2
1109914	575936	6734702	1635	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	1.0	18.1	12.4	44	0.1	19.2	7.1	128	3.06	12.1	2.8	5.1	8	0.2	0.5	0.5	35	0.04	0.037	18	25	0.47	64	0.061	<-1	1.53	0.008	0.13	0.3	0.04	1.8	0.2	<-0.5	7	<-0.5	<-0.2
1109915	575937	6734702	1607	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109916	575936	6734702	1607	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109917	575937	6734702	1607	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109918	575937	6734702	1607	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109919	575937	6734702	1607	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109920	575937	6734702	1607	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109921	575937	6734702	1607	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109922	575937	6734702	1607	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109923	575937	6734702	1607	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109924	575937	6734702	1607	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109925	575937	6734702	1607	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109926	575937	6734702	1607	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109927	575937	6734702	1607	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109928	575937	6734702	1607	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0.004	0.10	<-0.1	0.01	1.4	0.2	<-0.5	7	<-0.5	<-0.2
1109929	575937	6734702	1607	9/6/2011	damp	20-30	brown	clay	poor	ridge top	WH11001859	0.6	23.9	5.4	82	<-0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<-0.1	0.2	0.5	30	0.02	0.005	12	33	0.87	18	0.033	<-1	1.72	0									

Sample Number	Eastng (Nad 83)	Northing (Nad 83)	Elevation (m)	Date	Moisture	Depth (cm)	Colour	Dominant Component	Site Rating	Comment	Job Number	Mo-ppm-1DX15	Cu-ppm-1DX15	Pb-ppm-1DX15	Zn-ppm-1DX15	Ag-ppm-1DX15	Ni-ppm-1DX15	Co-ppm-1DX15	Mn-ppm-1DX15	Fe-%-1DX15	As-ppm-1DX15	Au-ppb-1DX15	Th-ppm-1DX15	Sr-ppm-1DX15	Cd-ppm-1DX15	Sb-ppm-1DX15	Bi-ppm-1DX15	V-ppm-1DX15	Ca-%-1DX15	P-%-1DX15	La-ppm-1DX15	Cr-ppm-1DX15	Mg-%-1DX15	Ba-ppm-1DX15	Ti-%-1DX15	B-ppm-1DX15	Al-%-1DX15	Na-%-1DX15	K-%-1DX15	W-ppm-1DX15	Hg-ppm-1DX15	Sc-ppm-1DX15	Tl-ppm-1DX15	S-%-1DX15	Ga-ppm-1DX15	Se-ppm-1DX15	Te-ppm-1DX15
1110992	574705	6730529	1107	9/10/2011	damp	50-60	brown	clay	good	west facing	WH11001911	0.5	35.6	17.0	74	<0.1	32.0	11.4	267	3.46	38.5	0.6	13.6	5	0.1	0.7	0.3	19	0.02	0.021	33	20	0.51	84	0.006	<1	1.68	0.005	0.06	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1110993	574605	6730540	1060	9/10/2011	damp	40-50	brown	clay	good	west facing slope	WH11001911	0.6	21.0	12.6	58	<0.1	23.3	7.5	213	2.60	29.7	0.9	9.7	6	<0.1	0.4	0.3	22	0.07	0.036	27	18	0.49	50	0.015	<1	1.44	0.004	0.05	0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1110994	574502	6730554	1051	9/10/2011	damp	40-50	brown	clay	good	west facing slope	WH11001911	1.0	30.3	47.0	74	<0.1	30.8	11.9	254	2.78	39.5	5.2	10.0	8	0.2	1.0	0.8	25	0.10	0.060	26	18	0.38	78	0.013	<1	1.41	0.004	0.06	0.2	0.02	1.4	0.1	<0.05	3	<0.5<0.2	
1110995	574395	6730549	1041	9/10/2011	wet	20-30	brown	clay	good	west facing slope	WH11001911	0.6	15.4	11.6	49	<0.1	15.5	5.0	146	1.93	9.3	1.4	6.3	8	0.1	0.4	0.2	23	0.09	0.043	26	17	0.33	66	0.013	<1	1.06	0.003	0.03	0.2	0.01	1.1	<0.1	0.06	3	<0.5	<0.2
1403501	573689	6728420	1268	9/12/2011		20-30	brown	clay	moderate		WH11001882	0.9	15.0	17.4	56	0.1	19.5	7.5	147	2.82	9.1	2.6	6.9	5	<0.1	0.5	0.3	28	0.03	0.036	19	20	0.39	73	0.014	<1	1.63	0.005	0.05	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1403502	573649	6728511	1243	9/12/2011	damp	30-40	brown	clay	poor		WH11001882	0.8	8.4	11.0	46	<0.1	10.0	3.9	110	2.10	6.4	2.2	4.6	5	<0.1	0.4	0.2	27	0.05	0.042	20	14	0.25	48	0.014	1	1.00	0.004	0.04	0.2	0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
1403503	573582	6728588	1209	9/12/2011	damp	40-50	brown	clay	moderate	west face ridge	WH11001882	0.8	17.0	17.5	65	<0.1	18.9	7.9	209	2.61	7.4	1.6	7.6	6	0.1	0.5	0.2	22	0.04	0.041	20	19	0.42	60	0.016	<1	1.46	0.004	0.06	0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1403504	573552	6728686	1197	9/12/2011	damp	20-30	brown	clay	good	west facing ridge	WH11001882	0.7	8.4	12.9	59	<0.1	12.2	4.3	127	2.33	5.8	<0.5	6.3	5	<0.1	0.4	0.2	28	0.03	0.033	19	17	0.32	58	0.025	<1	1.31	0.004	0.04	0.2	<0.01	1.1	<0.1	<0.05	4	<0.5<0.2	
1403505	573506	6728776	1170	9/12/2011	damp	20-30	brown	clay	good	west facing ridge	WH11001882	0.7	7.7	15.5	77	<0.1	14.3	6.0	173	2.32	6.2	0.8	6.4	6	<0.1	0.3	0.2	34	0.05	0.025	19	22	0.41	93	0.021	<1	1.65	0.004	0.05	0.2	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1403506	573466	6728885	1142	9/12/2011	damp	20-30	brown	gravel	poor	30/70 clay/gravel - ridge	WH11001882	0.8	10.2	17.9	51	<0.1	15.7	5.2	146	2.48	10.4	1.4	6.4	6	0.1	0.4	0.3	32	0.04	0.089	21	18	0.22	61	0.022	<1	1.31	0.003	0.05	0.2	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1403507	573430	6728976	1061	9/12/2011	damp	10-20	brown	clay	moderate	west facing ridge	WH11001882	0.5	5.4	9.0	63	0.1	10.1	4.4	133	1.49	51.1	<0.5	2.7	6	<0.1	0.2	0.2	26	0.05	0.021	19	15	0.29	73	0.017	<1	1.00	0.004	0.05	0.2	0.01	1.1	<0.1	<0.05	4	<0.5	<0.2
1403508	573389	6729032	1062	9/12/2011	damp	20-30	brown	clay	good	west facing	WH11001882	0.8	11.2	16.5	51	0.4	15.9	6.0	167	2.31	14.7	1.9	3.8	7	<0.1	0.4	0.2	35	0.08	0.027	17	20	0.38	79	0.020	<1	1.34	0.005	0.05	0.3	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
1403509	573328	6729105	1038	9/12/2011	damp	30-40	brown	clay	good	west facing	WH11001882	1.0	22.0	17.0	85	<0.1	27.3	12.3	362	2.79	17.6	2.4	8.2	13	0.3	0.7	0.3	36	0.35	0.042	27	19	0.47	150	0.013	<1	1.40	0.014	0.12	0.2	0.04	2.8	0.1	<0.05	4	<0.5	<0.2
1403510	573245	6729179	1009	9/12/2011	damp	30-40	brown	clay	moderate	west facing	WH11001882	0.9	19.6	18.7	70	<0.1	20.2	10.8	427	2.54	17.4	1.0	5.7	14	0.5	0.6	0.3	33	0.28	0.051	21	18	0.36	161	0.009	<1	1.32	0.005	0.08	0.2	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
1403511	573199	6729253	984	9/12/2011	damp	30-40	brown	clay	good	west facing	WH11001882	0.9	24.6	18.6	76	0.1	27.4	10.6	376	2.70	28.8	4.0	7.4	21	0.3	0.9	0.3	28	0.77	0.048	25	19	0.53	146	0.015	1	1.15	0.012	0.11	0.2	0.04	2.7	0.1	<0.05	3	<0.5	<0.2
1403513	573130	6729360	970	9/12/2011	damp	40-50	brown	gravel	poor	100 gravel - west slope	WH11001882	0.9	20.8	21.1	51	<0.1	16.3	7.4	621	2.14	10.7	1.2	2.3	20	0.7	0.6	0.2	25	0.56	0.052	20	13	0.25	119	0.013	1	1.07	0.008	0.05	0.2	0.03	1.2	<0.1	<0.05	3	<0.5	<0.2
1403514	573074	6729442	945	9/12/2011	damp	90-100	brown	clay	poor	west facing	WH11001882	0.8	33.0	20.1	65	0.2	28.1	11.2	530	2.56	26.8	4.5	5.4	30	0.2	0.9	0.3	22	0.94	0.062	22	16	0.32	185	0.010	1	1.08	0.008	0.08	0.2	0.05	2.1	0.1	0.06	3	<0.5	<0.2
1403515	573022	6729544	904	9/12/2011	wet	20-30		clay	good	west facing	WH11001882	0.7	22.6	16.9	73	0.1	24.4	11.1	406	2.40	27.0	4.1	6.2	43	0.2	0.7	0.3	23	0.76	0.051	19	14	0.36	124	0.011	1	0.96	0.009	0.08	0.1	0.04	2.0	<0.1	0.07	3	0.6	<0.2
1403516	572983	6729637	904	9/12/2011	damp	30-40	grey	clay	good		WH11001882	0.9	25.6	17.6	72	0.1	27.9	10.9	520	2.33	15.3	2.4	6.3	47	0.5	0.9	0.3	25	1.37	0.060	19	16	0.58	97	0.014	2	0.80	0.011	0.07	0.2	0.04	2.0	<0.1	0.06	3	<0.5	<0.2
1403517	572968	6729749	879	9/12/2011	damp	90-100	brown	gravel	poor	50/50 clay/gravel - west facing	WH11001882	0.5	25.0	14.5	63	0.1	21.4	9.2	566	2.19	8.8	1.4	4.5	61	0.5	0.9	0.3	22	1.35	0.054	14	14	0.39	117	0.010	2	0.75	0.010	0.06	0.2	0.04	2.2	<0.1	0.07	2	<0.5	<0.2

APPENDIX F – Assay Certificates



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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Client:

Argus Metals Corp.

Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6 Canada

Submitted By: Michael Collins

Receiving Lab: Canada-Whitehorse

Received: September 20, 2011

Report Date: November 19, 2011

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CERTIFICATE OF ANALYSIS

WHI11001861.1

CLIENT JOB INFORMATION

Project: TINA
Shipment ID: AML-2011-S-053
P.O. Number
Number of Samples: 27

SAMPLE DISPOSAL

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

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: Argus Metals Corp.
Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Paul Gray
Quartz Camp

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	27	Dry at 60C			WHI
SS80	25	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	27	Saving all or part of Soil Reject			WHI
1DX3	27	1:1:1 Aqua Regia digestion ICP-MS analysis	30	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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Vancouver BC V6C 3B6 Canada

Project:

TINA

Report Date:

November 19, 2011

Page:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11001861.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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
1109883	Sediment	0.3	24.7	9.9	49	0.1	33.8	16.6	323	3.07	16.2	255.1	5.9	23	0.1	0.2	0.3	31	0.33	0.034
1109884 AML-STD	Rock Pulp	1.3	395.0	22.1	160	0.2	191.3	72.4	795	14.61	3.2	23.0	6.9	15	0.2	0.3	0.2	199	0.29	0.042
1109885	Sediment	0.2	23.0	7.7	49	<0.1	31.0	15.1	307	2.87	12.9	243.4	5.8	19	0.1	0.2	0.3	28	0.33	0.033
1109886	Sediment	0.2	21.1	7.7	52	<0.1	27.1	13.2	272	2.64	9.6	1.6	6.2	21	0.2	0.3	0.3	27	0.44	0.037
1109887	Sediment	0.4	20.9	10.9	76	<0.1	26.2	13.1	458	2.65	23.7	1.4	5.9	24	0.2	1.7	0.3	23	2.39	0.043
1109888	Sediment	0.5	16.9	10.3	71	<0.1	24.0	12.5	405	2.67	19.6	0.7	6.2	21	0.2	1.6	0.2	25	2.27	0.039
1109889	Sediment	0.6	16.5	10.9	81	<0.1	22.4	10.0	356	2.20	17.0	<0.5	4.3	14	0.4	0.6	0.2	25	0.33	0.048
1109890	Sediment	0.5	20.9	12.3	80	<0.1	25.3	11.5	348	2.85	27.6	1.1	8.0	13	0.2	0.6	0.3	19	0.26	0.041
1109891	Sediment	0.6	14.1	10.2	64	<0.1	19.6	8.6	282	2.29	13.6	0.9	6.4	13	0.2	0.6	0.2	27	0.24	0.043
1109892	Sediment	0.6	14.3	9.6	63	<0.1	19.3	8.2	297	2.16	15.8	0.5	6.0	15	0.4	0.5	0.2	26	0.26	0.045
1109900	Sediment	0.3	30.5	9.4	44	<0.1	41.2	18.8	258	3.22	10.8	1.6	5.5	23	<0.1	0.2	0.3	38	0.50	0.035
1110851	Sediment	0.5	17.7	11.3	67	<0.1	24.0	10.5	318	2.32	20.8	1.1	6.8	14	0.2	0.5	0.3	19	0.27	0.047
1110852	Sediment	0.6	14.4	10.9	59	<0.1	19.3	8.4	277	1.95	13.0	0.9	5.6	19	0.3	0.6	0.2	21	0.37	0.045
1110853	Sediment	1.4	17.3	16.9	70	<0.1	24.1	12.2	524	2.07	11.7	0.6	5.9	28	0.6	0.9	0.5	30	0.60	0.046
1110854	Sediment	0.3	12.1	7.0	55	<0.1	28.4	13.1	283	2.43	17.7	0.5	3.9	12	<0.1	0.2	0.2	19	0.22	0.036
1110855	Sediment	0.3	14.6	6.1	52	<0.1	24.8	13.8	323	2.40	22.4	<0.5	4.7	9	<0.1	0.2	0.2	17	0.17	0.032
1110856	Sediment	0.4	21.2	12.6	68	<0.1	27.3	13.1	527	2.82	29.2	0.6	8.0	14	0.2	0.5	0.3	21	0.31	0.043
1110857	Sediment	0.5	20.6	12.3	70	<0.1	26.6	12.0	415	2.67	28.3	0.9	7.6	14	0.2	0.6	0.2	22	0.28	0.048
1110858	Sediment	0.6	12.8	9.6	58	<0.1	18.0	7.6	235	2.38	13.1	76.0	6.4	16	0.2	0.6	0.2	37	0.32	0.048
1110859	Sediment	0.5	13.3	10.0	58	<0.1	19.0	7.9	239	2.34	12.0	2.4	6.6	18	0.3	0.6	0.3	36	0.36	0.050
1110860 CDN-BL-9	Rock Pulp	2.8	22.1	2.5	33	0.4	18.9	7.8	283	1.78	3.7	1.6	0.9	30	0.3	0.4	<0.1	44	0.61	0.045
1110861	Sediment	0.7	16.5	15.5	64	<0.1	20.0	9.3	333	2.25	9.7	1.1	5.2	24	0.4	1.0	0.2	28	0.47	0.045
1110862	Sediment	0.4	18.9	7.9	43	<0.1	26.5	18.5	329	3.09	33.6	<0.5	5.8	12	<0.1	0.2	0.2	28	0.12	0.027
1110863	Sediment	0.3	18.8	13.8	49	<0.1	26.9	14.7	198	2.47	56.9	1.3	7.0	11	<0.1	0.3	0.3	22	0.18	0.031
1110864	Sediment	0.3	19.2	11.1	56	<0.1	27.8	14.6	236	2.45	43.7	0.6	7.2	12	0.1	0.3	0.3	20	0.20	0.032
1110865	Sediment	0.3	27.2	16.1	75	<0.1	37.3	19.3	488	2.95	67.0	1.7	7.6	20	0.2	0.5	0.3	24	0.41	0.042
1110866	Sediment	0.6	12.1	12.8	52	<0.1	15.6	8.2	295	2.07	11.3	<0.5	5.6	39	0.3	0.9	0.2	24	1.75	0.047



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Project: TINA
Report Date: November 19, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

WHI11001861.1

Method Analyte Unit MDL		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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
1109883	Sediment	31	0.81	87	0.100	<1	1.84	0.013	0.34	0.5	0.02	2.7	0.4	<0.05	5	<0.5	<0.2
1109884 AML-STD	Rock Pulp	590	0.12	136	0.161	3	3.90	0.013	0.07	0.2	0.03	34.7	<0.1	<0.05	20	<0.5	<0.2
1109885	Sediment	26	0.76	76	0.096	<1	1.67	0.012	0.33	0.5	0.02	2.6	0.4	<0.05	5	<0.5	<0.2
1109886	Sediment	24	0.71	75	0.084	<1	1.46	0.016	0.31	0.4	0.01	2.4	0.4	<0.05	5	<0.5	<0.2
1109887	Sediment	20	1.57	94	0.052	1	1.25	0.010	0.16	0.5	0.04	2.4	0.2	<0.05	4	0.7	<0.2
1109888	Sediment	20	1.55	71	0.056	1	1.20	0.011	0.17	0.4	0.02	2.1	0.2	<0.05	4	0.5	<0.2
1109889	Sediment	16	0.33	97	0.015	<1	0.78	0.005	0.06	0.4	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1109890	Sediment	16	0.45	73	0.007	1	1.03	0.005	0.03	0.3	0.02	1.6	<0.1	<0.05	3	0.5	<0.2
1109891	Sediment	17	0.33	94	0.012	<1	0.69	0.005	0.04	0.3	0.02	1.3	<0.1	<0.05	2	<0.5	<0.2
1109892	Sediment	16	0.30	100	0.010	<1	0.65	0.006	0.03	0.4	0.02	1.2	<0.1	<0.05	2	0.6	<0.2
1109900	Sediment	36	1.11	93	0.125	<1	2.05	0.015	0.50	0.5	0.02	3.5	0.5	<0.05	6	<0.5	<0.2
1110851	Sediment	16	0.44	75	0.018	<1	0.93	0.005	0.06	0.3	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1110852	Sediment	15	0.34	102	0.013	<1	0.65	0.006	0.04	0.3	0.02	1.3	<0.1	<0.05	2	0.6	<0.2
1110853	Sediment	16	0.37	156	0.014	1	0.65	0.008	0.05	0.3	0.03	1.7	<0.1	<0.05	2	0.8	<0.2
1110854	Sediment	18	0.41	62	0.051	<1	1.13	0.005	0.18	0.4	0.02	1.6	0.2	<0.05	3	<0.5	<0.2
1110855	Sediment	16	0.41	51	0.033	<1	1.02	0.004	0.10	0.3	0.01	1.4	0.2	<0.05	3	<0.5	<0.2
1110856	Sediment	18	0.49	63	0.022	<1	1.06	0.006	0.08	0.4	0.02	1.9	0.1	<0.05	3	<0.5	<0.2
1110857	Sediment	17	0.47	72	0.020	1	1.01	0.006	0.07	0.4	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1110858	Sediment	21	0.33	90	0.012	<1	0.61	0.005	0.04	0.4	0.02	1.2	<0.1	<0.05	2	<0.5	<0.2
1110859	Sediment	21	0.34	100	0.013	<1	0.63	0.007	0.04	0.5	0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
1110860 CDN-BL-9	Rock Pulp	26	0.46	79	0.100	3	0.98	0.057	0.07	12.8	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
1110861	Sediment	16	0.36	114	0.012	<1	0.63	0.006	0.04	0.3	0.02	1.7	<0.1	<0.05	2	<0.5	<0.2
1110862	Sediment	31	0.74	66	0.099	<1	1.62	0.008	0.42	0.4	<0.01	2.6	0.4	<0.05	5	<0.5	<0.2
1110863	Sediment	24	0.57	62	0.079	<1	1.34	0.007	0.29	0.7	0.01	2.2	0.3	<0.05	4	<0.5	<0.2
1110864	Sediment	22	0.57	66	0.077	<1	1.30	0.008	0.30	0.4	0.01	2.2	0.3	<0.05	4	<0.5	<0.2
1110865	Sediment	25	0.66	86	0.071	<1	1.53	0.009	0.28	0.6	0.02	2.6	0.3	<0.05	5	0.6	<0.2
1110866	Sediment	14	0.62	101	0.017	1	0.62	0.008	0.06	0.6	0.02	1.8	<0.1	<0.05	2	<0.5	<0.2



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Project:

TINA

Report Date:

November 19, 2011

Page:

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Part 1

QUALITY CONTROL REPORT

WHI11001861.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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																					
1110857	Sediment	0.5	20.6	12.3	70	<0.1	26.6	12.0	415	2.67	28.3	0.9	7.6	14	0.2	0.6	0.2	22	0.28	0.048	28
REP 1110857	QC	0.5	19.8	12.0	66	<0.1	26.1	11.8	401	2.60	28.2	0.7	7.4	14	0.2	0.5	0.2	21	0.28	0.045	27
Reference Materials																					
STD DS8	Standard	13.0	112.6	126.9	311	1.8	38.2	7.7	616	2.46	24.3	109.4	6.7	71	2.1	5.5	6.7	42	0.69	0.077	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Project:

TINA

Report Date:

November 19, 2011

Page:

1 of 1

Part 2

QUALITY CONTROL REPORT

WHI11001861.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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																	
1110857	Sediment	17	0.47	72	0.020	1	1.01	0.006	0.07	0.4	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
REP 1110857	QC	17	0.46	71	0.019	<1	1.01	0.006	0.07	0.4	0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	122	0.62	279	0.122	4	0.97	0.108	0.44	3.1	0.21	3.3	5.5	0.12	5	5.3	5.0
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Client: **Argus Metals Corp.**
Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6 Canada

Submitted By: Michael Collins
Receiving Lab: Canada-Whitehorse
Received: September 25, 2011
Report Date: December 01, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11001881.1

CLIENT JOB INFORMATION

Project: TINA
Shipment ID: AML-2011-S-058
P.O. Number
Number of Samples: 13

SAMPLE DISPOSAL

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

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: Argus Metals Corp.
Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Paul Gray
Quartz Camp

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	13	Dry at 60C			WHI
SS80	13	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	13	Saving all or part of Soil Reject			WHI
1DX3	12	1:1:1 Aqua Regia digestion ICP-MS analysis	30	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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Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6 Canada

Project: TINA
Report Date: December 01, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11001881.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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
1110867	Sediment	0.7	14.3	13.6	65	<0.1	15.5	7.9	344	2.05	7.8	2.5	6.4	28	0.3	0.6	0.3	25	0.57	0.059
1110868	Sediment	0.9	16.0	12.7	69	<0.1	18.2	8.5	298	2.24	15.3	1.6	5.9	29	0.4	0.9	0.3	27	0.92	0.053
1110869	Sediment	0.5	15.3	13.4	61	<0.1	18.7	8.7	296	2.25	21.7	1.5	5.1	19	0.2	0.8	0.2	19	0.49	0.043
1110870	Sediment	0.7	15.5	12.5	61	<0.1	18.2	8.5	270	2.31	17.4	1.7	5.5	26	0.3	0.8	0.2	23	0.98	0.048
1110871	Sediment	0.9	19.8	20.7	63	0.1	20.3	10.0	570	2.04	12.3	2.1	5.4	41	0.8	1.0	0.3	25	1.65	0.048
1110872	Sediment	0.9	20.0	22.6	68	0.1	22.3	10.9	624	2.10	13.2	4.2	6.3	43	0.7	1.0	0.4	26	1.73	0.049
1110873	Sediment	0.7	10.6	11.6	59	<0.1	14.9	6.9	301	1.93	7.5	7.1	5.7	26	0.3	0.8	0.2	31	1.17	0.053
1110874	Sediment	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.
1110876	Sediment	0.3	22.7	9.2	52	<0.1	29.6	13.3	197	2.96	32.0	0.9	7.8	19	<0.1	0.6	0.3	27	0.37	0.037
1110877	Sediment	0.3	17.7	7.6	47	<0.1	26.7	13.2	291	2.82	28.8	<0.5	7.5	17	0.1	0.4	0.2	28	0.31	0.034
1110878	Sediment	0.3	16.1	6.5	43	<0.1	23.4	11.0	220	2.43	22.2	0.6	5.8	13	<0.1	0.3	0.4	24	0.25	0.027
1110879	Sediment	0.4	16.6	8.5	51	<0.1	24.1	11.4	287	2.59	17.6	<0.5	5.6	13	0.2	0.4	0.2	25	0.30	0.033
1110880	Sediment	0.4	15.7	8.3	50	<0.1	22.4	10.8	318	2.43	15.3	0.7	5.7	13	0.2	0.4	0.3	25	0.31	0.038



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Acme Analytical Laboratories (Vancouver) Ltd.

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Client: Argus Metals Corp.
Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6 Canada

Project: TINA
Report Date: December 01, 2011

Page: 2 of 2 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11001881.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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
1110867	Sediment	13	0.37	107	0.019	2	0.80	0.007	0.09	0.4	0.04	0.7	0.1	0.08	3	0.9
1110868	Sediment	15	0.45	101	0.013	2	0.61	0.007	0.06	0.3	0.02	0.6	<0.1	0.11	2	0.8
1110869	Sediment	13	0.37	50	0.011	1	0.74	0.005	0.05	0.3	0.02	0.5	<0.1	0.06	2	0.5
1110870	Sediment	14	0.48	52	0.012	1	0.65	0.006	0.06	0.3	0.02	0.6	<0.1	0.07	2	0.6
1110871	Sediment	13	0.71	149	0.014	2	0.66	0.008	0.06	0.2	0.05	0.8	<0.1	0.09	2	0.8
1110872	Sediment	15	0.76	144	0.013	2	0.66	0.007	0.06	0.2	0.04	1.8	<0.1	<0.05	2	<0.5
1110873	Sediment	16	0.64	94	0.011	2	0.58	0.008	0.05	0.3	0.03	1.5	<0.1	<0.05	2	<0.5
1110874	Sediment	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.
1110876	Sediment	28	0.72	61	0.098	<1	1.72	0.011	0.36	0.2	0.01	2.7	0.3	<0.05	5	<0.5
1110877	Sediment	25	0.57	65	0.077	<1	1.37	0.011	0.28	0.4	<0.01	2.2	0.3	<0.05	4	<0.5
1110878	Sediment	21	0.50	54	0.069	<1	1.18	0.010	0.26	0.2	<0.01	0.8	0.2	<0.05	4	<0.5
1110879	Sediment	21	0.50	55	0.059	<1	1.10	0.009	0.21	0.2	0.01	0.7	0.2	<0.05	4	<0.5
1110880	Sediment	20	0.48	55	0.057	<1	1.08	0.010	0.19	0.2	<0.01	0.7	0.2	<0.05	3	<0.5



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Project:

TINA

Report Date:

December 01, 2011

Page:

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Part 1

QUALITY CONTROL REPORT

WHI11001881.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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																					
1110872	Sediment	0.9	20.0	22.6	68	0.1	22.3	10.9	624	2.10	13.2	4.2	6.3	43	0.7	1.0	0.4	26	1.73	0.049	15
REP 1110872	QC	0.9	20.3	23.8	67	0.1	23.1	11.1	630	2.11	13.5	1.0	6.6	42	0.7	1.0	0.4	27	1.75	0.050	15
Reference Materials																					
STD DS8	Standard	13.3	107.0	121.9	299	1.7	37.0	7.3	607	2.43	25.0	112.5	7.0	64	2.2	5.4	6.5	42	0.68	0.076	15
STD DS8	Standard	13.4	113.6	129.9	322	1.9	39.8	7.8	622	2.52	26.8	113.4	7.4	69	2.4	5.8	7.7	44	0.69	0.084	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:

TINA

Report Date:

December 01, 2011

Page:

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Part 2

QUALITY CONTROL REPORT

WHI11001881.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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																	
1110872	Sediment	15	0.76	144	0.013	2	0.66	0.007	0.06	0.2	0.04	1.8	<0.1	<0.05	2	<0.5	<0.2
REP 1110872	QC	15	0.77	149	0.013	2	0.68	0.009	0.06	0.2	0.03	1.8	<0.1	<0.05	2	0.6	<0.2
Reference Materials																	
STD DS8	Standard	117	0.59	267	0.114	2	0.89	0.096	0.37	2.9	0.18	0.9	5.3	0.16	5	5.2	4.8
STD DS8	Standard	122	0.62	282	0.117	2	0.96	0.103	0.41	3.3	0.21	2.6	5.6	0.17	5	4.9	4.8
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: Michael Collins
Receiving Lab: Canada-Whitehorse
Received: September 07, 2011
Report Date: November 29, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI11001415.1

CLIENT JOB INFORMATION

Project: Hyland
Shipment ID: AML-2011-S-050
P.O. Number
Number of Samples: 50

SAMPLE DISPOSAL

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

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: Argus Metals Corp.
Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Paul Gray
Quartz Camp

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	47	Dry at 60C			WHI
SS80	50	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	47	Saving all or part of Soil Reject			WHI
1DX3	50	1:1:1 Aqua Regia digestion ICP-MS analysis	30	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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Client:

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Vancouver BC V6C 3B6 Canada

Project:

Hyland

Report Date:

November 29, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11001415.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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
1109851	Sediment	0.5	23.8	17.1	73	<0.1	24.7	12.5	869	2.79	103.0	5.0	2.8	57	0.2	4.0	0.2	19	1.92	0.086
1109852	Sediment	0.5	22.0	13.5	62	<0.1	22.1	8.7	341	2.47	46.3	2.2	2.3	48	0.2	1.8	0.2	19	1.69	0.082
1109853	Sediment	0.6	21.0	15.9	48	<0.1	20.5	9.1	296	2.65	30.0	<0.5	2.7	47	0.2	1.3	0.2	20	1.37	0.051
1109854	Sediment	0.4	19.7	13.9	60	<0.1	23.6	9.2	173	2.20	21.9	5.1	3.5	35	0.2	1.4	0.2	21	0.95	0.074
1109855	Sediment	0.5	17.0	12.4	57	<0.1	21.6	9.6	593	2.52	34.4	1.5	3.3	58	0.2	1.3	0.2	18	2.57	0.066
1109856	Sediment	0.5	16.5	11.9	54	<0.1	21.1	9.0	794	2.36	27.9	4.0	2.9	49	0.2	1.3	0.2	17	2.15	0.061
1109857	Sediment	0.5	19.6	17.5	65	<0.1	25.7	13.2	1273	2.86	27.5	1.5	3.6	47	0.4	1.2	0.2	19	2.03	0.062
1109858	Sediment	0.5	17.0	14.4	62	<0.1	22.4	11.2	944	2.58	26.1	1.5	3.9	45	0.2	1.0	0.2	17	1.90	0.060
1109859	Sediment	0.9	20.0	15.0	78	<0.1	22.5	11.7	360	2.69	11.2	2.1	5.6	53	0.3	1.3	0.3	32	1.71	0.053
1109860	Rock Pulp	3.4	21.4	2.3	34	0.2	20.6	6.7	286	1.81	2.8	2.1	0.9	27	0.2	0.3	<0.1	43	0.57	0.047
1109861	Sediment	0.9	20.8	15.7	76	<0.1	23.7	11.3	386	2.44	10.5	<0.5	5.7	59	0.5	1.1	0.3	28	1.84	0.052
1109862	Sediment	0.9	23.1	15.1	78	<0.1	22.9	11.9	404	2.44	10.3	1.9	5.5	51	0.5	1.1	0.3	28	1.72	0.053
1109863	Sediment	0.8	16.5	12.6	65	<0.1	19.4	9.6	341	2.12	8.3	0.7	5.5	65	0.4	0.7	0.2	26	2.07	0.054
1109864	Sediment	0.7	18.3	13.3	72	<0.1	21.9	10.7	373	2.40	9.5	1.6	5.8	57	0.4	0.7	0.2	28	1.78	0.059
1109865	Sediment	0.7	17.6	12.9	65	<0.1	20.5	10.0	354	2.28	9.3	1.5	5.4	58	0.4	0.7	0.2	26	1.85	0.051
1109866	Sediment	0.8	17.4	13.5	69	<0.1	20.2	9.8	353	2.19	8.9	0.8	5.8	67	0.4	0.7	0.2	27	2.06	0.061
1109867	Sediment	0.6	12.5	10.0	52	<0.1	18.1	8.9	322	2.19	8.5	0.7	5.9	27	0.3	0.7	0.2	33	1.27	0.045
1109868	Sediment	0.6	30.0	21.1	72	0.1	25.7	11.0	327	3.32	12.4	1.1	3.8	13	0.1	0.7	0.4	13	0.21	0.058
1109869	Sediment	1.6	28.8	20.4	104	0.2	27.9	11.5	265	3.24	18.7	63.6	5.6	53	0.4	1.3	0.5	12	0.39	0.046
1109870	Sediment	1.8	32.4	20.7	104	0.2	29.0	11.2	244	3.10	20.5	<0.5	5.7	56	0.5	1.6	0.4	11	0.58	0.051
1109871	Sediment	1.1	22.6	25.5	96	0.3	32.7	13.7	1052	3.25	22.6	2.3	6.5	21	0.4	0.8	0.3	23	0.24	0.057
1109872	Sediment	0.9	24.9	22.6	95	0.2	32.0	13.5	1139	3.06	22.0	3.3	6.6	26	0.4	1.0	0.3	22	0.28	0.055
1109873	Sediment	1.0	24.1	22.9	103	0.2	33.3	13.7	965	3.11	20.4	4.3	6.5	26	0.6	1.0	0.3	22	0.27	0.057
1109874	Sediment	0.9	28.7	18.3	93	0.1	28.9	12.4	427	3.00	20.3	1.3	7.9	14	0.3	1.3	0.3	16	0.13	0.040
1109875	Sediment	0.6	14.6	13.1	71	<0.1	16.9	9.2	1117	2.25	6.5	<0.5	3.6	29	0.5	0.5	0.2	30	0.40	0.057
1109876	Sediment	0.5	19.0	13.8	65	0.1	23.3	11.0	313	2.13	22.0	<0.5	5.4	25	0.3	0.8	0.3	23	0.69	0.044
1109877	Sediment	0.6	13.4	12.6	54	<0.1	16.9	8.4	293	1.94	9.4	0.6	5.3	34	0.4	0.7	0.2	26	0.99	0.044
1109878	Sediment	0.7	14.5	13.6	56	0.1	17.5	9.0	318	1.91	9.5	3.3	5.2	33	0.3	0.8	0.2	24	1.01	0.043
1109879	Sediment	0.6	22.3	13.6	68	<0.1	28.8	15.0	255	2.68	43.8	7.9	7.0	19	0.2	0.9	0.3	25	0.50	0.044
1109880	Sediment	0.7	22.4	14.0	69	<0.1	28.9	14.4	333	2.61	41.1	1.6	6.6	22	0.3	1.1	0.3	25	0.99	0.043



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	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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
1109851	Sediment	21	0.46	115	0.008	1	0.80	0.005	0.05	0.2	0.13	2.1	0.1	<0.05	3	1.3	<0.2
1109852	Sediment	21	0.38	88	0.009	2	0.73	0.005	0.05	0.2	0.07	1.7	<0.1	<0.05	2	1.6	<0.2
1109853	Sediment	17	0.32	104	0.005	<1	0.86	0.005	0.05	0.1	0.06	1.8	<0.1	<0.05	3	1.0	<0.2
1109854	Sediment	21	0.36	79	0.011	<1	0.76	0.004	0.05	0.2	0.08	1.7	<0.1	<0.05	2	1.3	<0.2
1109855	Sediment	18	0.43	78	0.009	2	0.67	0.004	0.04	0.1	0.04	1.5	<0.1	<0.05	2	1.3	<0.2
1109856	Sediment	17	0.43	89	0.008	1	0.66	0.003	0.04	0.1	0.05	1.3	<0.1	<0.05	2	1.5	<0.2
1109857	Sediment	20	0.58	125	0.008	<1	0.86	0.004	0.05	0.1	0.04	1.7	<0.1	<0.05	3	1.1	<0.2
1109858	Sediment	18	0.61	103	0.008	<1	0.80	0.004	0.04	<0.1	0.08	1.5	<0.1	<0.05	2	0.6	<0.2
1109859	Sediment	20	0.88	140	0.021	<1	1.02	0.010	0.11	0.1	0.03	2.6	0.1	<0.05	3	<0.5	<0.2
1109860	Rock Pulp	29	0.48	75	0.088	2	0.97	0.048	0.06	8.2	0.02	3.1	<0.1	<0.05	3	<0.5	<0.2
1109861	Sediment	17	0.85	159	0.019	<1	1.00	0.009	0.10	0.1	0.04	2.6	<0.1	<0.05	3	0.6	<0.2
1109862	Sediment	18	0.85	162	0.023	<1	1.05	0.010	0.11	0.1	0.04	2.7	0.1	<0.05	3	<0.5	<0.2
1109863	Sediment	16	0.84	137	0.016	<1	0.99	0.009	0.09	0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1109864	Sediment	18	0.88	144	0.022	<1	1.07	0.010	0.11	0.2	0.03	2.3	0.1	<0.05	3	<0.5	<0.2
1109865	Sediment	17	0.85	133	0.020	<1	1.02	0.010	0.10	0.2	0.04	2.2	0.1	<0.05	3	0.7	<0.2
1109866	Sediment	17	0.82	160	0.015	<1	1.06	0.009	0.09	0.2	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1109867	Sediment	19	0.75	112	0.036	<1	0.89	0.011	0.13	0.4	0.02	1.7	0.1	<0.05	3	<0.5	<0.2
1109868	Sediment	11	0.23	44	0.003	<1	0.77	0.003	0.03	<0.1	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
1109869	Sediment	10	0.25	44	0.003	<1	0.58	0.001	0.03	<0.1	0.03	1.5	<0.1	<0.05	2	<0.5	<0.2
1109870	Sediment	9	0.28	49	0.003	<1	0.49	0.002	0.03	<0.1	0.03	1.6	<0.1	<0.05	1	0.9	<0.2
1109871	Sediment	21	0.48	215	0.005	<1	1.42	0.003	0.06	0.1	0.06	2.0	<0.1	<0.05	4	0.6	<0.2
1109872	Sediment	19	0.48	223	0.005	<1	1.32	0.004	0.06	0.1	0.06	2.0	<0.1	<0.05	4	<0.5	<0.2
1109873	Sediment	19	0.50	219	0.009	<1	1.35	0.005	0.06	<0.1	0.05	2.0	<0.1	<0.05	4	0.6	<0.2
1109874	Sediment	15	0.42	97	0.003	<1	1.03	0.002	0.03	<0.1	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1109875	Sediment	19	0.37	127	0.015	<1	1.07	0.008	0.06	0.2	0.05	1.5	<0.1	<0.05	3	0.6	<0.2
1109876	Sediment	16	0.54	108	0.030	<1	0.91	0.008	0.12	0.2	0.03	1.8	0.1	<0.05	3	<0.5	<0.2
1109877	Sediment	14	0.48	130	0.018	1	0.67	0.008	0.06	0.3	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
1109878	Sediment	14	0.50	131	0.018	8	0.72	0.010	0.07	0.2	0.04	1.6	<0.1	<0.05	2	<0.5	<0.2
1109879	Sediment	22	0.64	76	0.059	<1	1.25	0.008	0.22	0.4	0.03	2.4	0.2	<0.05	4	<0.5	<0.2
1109880	Sediment	21	0.79	77	0.050	<1	1.18	0.008	0.21	0.3	0.03	2.3	0.2	<0.05	3	<0.5	<0.2



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	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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
1109881	Sediment	0.3	22.8	12.4	68	<0.1	31.2	15.8	351	2.72	53.4	0.6	7.2	15	0.2	0.5	0.3	24	0.33	0.036
1109882	Sediment	0.4	12.7	13.6	73	<0.1	19.4	8.2	316	2.15	7.5	1.7	4.4	26	0.3	0.3	0.2	18	0.37	0.055
1109893	Sediment	0.6	19.6	16.3	84	0.1	24.3	10.1	1007	2.46	5.6	5.2	4.4	23	0.6	0.6	0.2	19	0.38	0.060
1109894	Sediment	0.8	18.2	14.9	82	0.1	24.9	10.3	765	2.27	6.8	1.6	4.3	22	0.6	0.5	0.2	21	0.31	0.059
1109895	Sediment	0.5	15.9	13.0	72	<0.1	21.1	8.6	725	2.13	6.9	<0.5	4.4	18	0.4	0.6	0.2	17	0.27	0.050
1109896	Rock Pulp	3.3	22.0	2.3	34	0.2	20.2	7.1	294	1.87	3.5	<0.5	0.9	27	0.2	0.3	<0.1	46	0.60	0.050
1109897	Sediment	0.7	18.9	15.9	77	0.1	23.2	9.5	1218	2.24	10.3	0.5	4.8	24	0.6	0.7	0.2	20	0.38	0.058
1109898	Sediment	0.5	14.7	12.1	72	<0.1	20.4	8.0	809	2.02	8.1	0.8	4.6	21	0.5	0.6	0.2	18	0.29	0.052
1109899	Sediment	0.3	10.0	9.0	60	<0.1	17.0	6.9	478	1.83	6.3	2.4	4.6	18	0.3	0.4	0.1	16	0.24	0.047
1110237	Sediment	0.6	12.6	10.4	71	0.1	19.2	8.7	1457	2.29	9.7	4.0	3.4	31	0.6	0.8	0.1	21	0.54	0.061
1110241	Sediment	0.6	10.0	9.2	62	<0.1	16.5	7.6	1035	2.00	9.4	<0.5	3.4	25	0.4	0.7	0.1	20	0.41	0.054
1110242	Sediment	0.5	12.1	9.8	66	0.1	18.5	7.9	1273	2.14	9.8	112.9	3.2	31	0.4	0.7	0.1	22	0.56	0.059
1110243	Sediment	0.5	12.0	9.6	67	<0.1	19.3	8.0	886	2.12	9.4	0.7	3.1	27	0.5	0.6	0.1	21	0.48	0.058
1110244	Sediment	0.5	9.5	7.8	57	<0.1	15.9	7.1	1175	1.93	8.0	1.0	3.1	25	0.3	0.6	<0.1	19	0.41	0.055
1110245	Sediment	0.6	11.4	9.2	64	<0.1	18.2	8.1	1201	2.12	9.8	1.7	3.0	27	0.3	0.6	0.1	20	0.44	0.062
1110246	Sediment	0.6	12.6	10.1	66	0.1	19.4	8.2	1249	2.18	10.3	2.1	2.9	31	0.4	0.7	0.1	20	0.52	0.065
1110247	Sediment	0.4	17.2	14.0	82	0.1	28.1	10.4	599	2.53	9.8	1.8	4.1	30	0.2	0.3	0.2	19	0.48	0.055
1110248	Rock Pulp	3.8	21.9	2.4	36	0.2	21.5	7.3	293	1.85	3.3	<0.5	0.8	25	0.1	0.5	<0.1	44	0.53	0.046
1110249	Sediment	0.6	16.2	12.5	72	0.1	26.4	11.9	835	2.58	8.0	1.8	4.0	23	0.3	0.3	0.1	20	0.33	0.043
1110250	Sediment	0.4	15.7	11.4	59	<0.1	21.1	8.3	268	2.24	19.5	<0.5	2.5	54	0.2	1.1	0.1	17	1.69	0.070



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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
1109881	Sediment	25	0.63	72	0.071	1	1.41	0.008	0.27	0.4	0.02	2.1	0.2	<0.05	4	0.6	<0.2
1109882	Sediment	17	0.38	113	0.009	2	1.10	0.005	0.05	0.1	0.03	1.3	<0.1	<0.05	3	0.5	<0.2
1109893	Sediment	19	0.46	117	0.007	1	1.21	0.003	0.04	0.1	0.05	1.3	<0.1	<0.05	3	0.9	<0.2
1109894	Sediment	22	0.47	138	0.007	<1	1.19	0.003	0.04	0.1	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1109895	Sediment	17	0.41	114	0.007	<1	1.02	0.003	0.04	<0.1	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
1109896	Rock Pulp	32	0.49	76	0.097	2	1.05	0.047	0.06	7.7	0.03	3.0	<0.1	0.06	4	<0.5	<0.2
1109897	Sediment	19	0.44	135	0.008	<1	1.10	0.006	0.05	0.1	0.03	1.4	<0.1	<0.05	3	0.5	<0.2
1109898	Sediment	18	0.40	114	0.007	<1	1.00	0.005	0.04	0.1	0.03	1.2	<0.1	<0.05	3	0.6	<0.2
1109899	Sediment	16	0.36	89	0.008	<1	0.88	0.004	0.04	0.1	0.02	1.0	<0.1	<0.05	2	<0.5	<0.2
1110237	Sediment	18	0.26	185	0.012	1	0.76	0.005	0.05	0.2	0.04	1.5	<0.1	<0.05	2	0.9	<0.2
1110241	Sediment	15	0.25	158	0.010	<1	0.65	0.005	0.04	0.2	0.03	1.5	<0.1	<0.05	2	<0.5	<0.2
1110242	Sediment	17	0.26	170	0.011	2	0.72	0.009	0.05	0.2	0.05	1.6	<0.1	<0.05	2	0.9	<0.2
1110243	Sediment	17	0.25	169	0.011	<1	0.71	0.006	0.05	0.1	0.04	1.6	<0.1	<0.05	2	0.9	<0.2
1110244	Sediment	16	0.24	146	0.009	<1	0.63	0.004	0.04	0.2	0.03	1.3	<0.1	<0.05	2	<0.5	<0.2
1110245	Sediment	18	0.25	158	0.009	<1	0.71	0.005	0.04	0.2	0.05	1.6	<0.1	<0.05	2	0.7	<0.2
1110246	Sediment	18	0.26	173	0.010	1	0.74	0.005	0.05	0.2	0.05	1.6	<0.1	<0.05	2	0.9	<0.2
1110247	Sediment	22	0.48	67	0.008	<1	1.13	0.010	0.04	<0.1	0.04	1.6	<0.1	<0.05	3	0.7	<0.2
1110248	Rock Pulp	32	0.46	75	0.084	2	0.93	0.053	0.06	8.3	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
1110249	Sediment	21	0.40	81	0.008	<1	0.92	0.004	0.03	<0.1	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1110250	Sediment	18	0.39	74	0.010	2	0.69	0.005	0.04	0.1	0.03	1.5	<0.1	<0.05	2	1.2	<0.2



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Project:

Hyland

Report Date:

November 29, 2011

Page:

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Part

1

QUALITY CONTROL REPORT

WHI11001415.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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																					
1109866	Sediment	0.8	17.4	13.5	69	<0.1	20.2	9.8	353	2.19	8.9	0.8	5.8	67	0.4	0.7	0.2	27	2.06	0.061	17
REP 1109866	QC	0.8	16.7	12.9	66	<0.1	19.2	9.4	337	2.06	8.6	1.6	5.5	63	0.4	0.8	0.2	25	1.92	0.057	16
1109898	Sediment	0.5	14.7	12.1	72	<0.1	20.4	8.0	809	2.02	8.1	0.8	4.6	21	0.5	0.6	0.2	18	0.29	0.052	19
REP 1109898	QC	0.5	14.9	12.0	73	<0.1	21.0	8.6	826	2.10	8.3	<0.5	4.7	21	0.5	0.6	0.2	18	0.29	0.052	19
Reference Materials																					
STD DS8	Standard	12.2	107.8	119.8	307	1.7	36.5	7.3	593	2.41	25.0	120.1	6.6	69	2.2	5.5	6.6	42	0.67	0.078	15
STD DS8	Standard	13.3	107.6	121.7	300	1.8	38.9	7.5	617	2.43	25.6	106.9	6.7	67	2.6	6.0	6.5	42	0.68	0.080	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



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Project: Hyland

Report Date: November 29, 2011

Page: 1 of 1 **Part** 2

QUALITY CONTROL REPORT

WHI11001415.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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																	
1109866	Sediment	17	0.82	160	0.015	<1	1.06	0.009	0.09	0.2	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
REP 1109866	QC	16	0.78	156	0.014	<1	1.00	0.008	0.09	0.1	0.03	2.2	<0.1	<0.05	3	0.7	<0.2
1109898	Sediment	18	0.40	114	0.007	<1	1.00	0.005	0.04	0.1	0.03	1.2	<0.1	<0.05	3	0.6	<0.2
REP 1109898	QC	18	0.40	114	0.008	<1	0.99	0.003	0.04	0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	114	0.60	273	0.116	1	0.94	0.104	0.42	2.9	0.19	2.7	5.4	0.14	5	5.1	4.4
STD DS8	Standard	118	0.61	286	0.121	3	0.94	0.103	0.42	2.9	0.20	2.4	5.4	0.14	5	5.1	4.7
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: Michael Collins

Receiving Lab: Canada-Whitehorse

Received: September 25, 2011

Report Date: December 07, 2011

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11001882.1

CLIENT JOB INFORMATION

Project: TINA
Shipment ID: AML-2011-S-060
P.O. Number
Number of Samples: 17

SAMPLE DISPOSAL

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

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: Argus Metals Corp.
Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Paul Gray
Quartz Camp

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	17	Dry at 60C			WHI
SS80	16	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	17	Saving all or part of Soil Reject			WHI
1DX2	17	1:1:1 Aqua Regia digestion ICP-MS analysis	15	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: TINA
Report Date: December 07, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11001882.1

	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
1403501		0.9	15.0	17.4	56	0.1	19.5	7.5	147	2.82	9.1	2.6	6.9	5	<0.1	0.5	0.3	28	0.03	0.036
1403502		0.8	8.4	11.0	46	<0.1	10.0	3.9	110	2.10	6.4	2.2	4.6	5	<0.1	0.4	0.2	27	0.03	0.042
1403503		0.8	17.0	17.5	65	<0.1	18.9	7.9	209	2.61	7.4	1.6	7.6	6	0.1	0.5	0.2	22	0.04	0.041
1403504		0.7	8.4	12.9	59	<0.1	12.2	4.3	127	2.33	5.8	<0.5	6.3	5	<0.1	0.4	0.2	28	0.03	0.033
1403505		0.7	7.7	15.5	77	<0.1	14.3	6.0	173	2.32	6.2	0.8	6.4	6	<0.1	0.3	0.2	34	0.05	0.025
1403506		0.8	10.2	17.9	51	<0.1	15.7	5.2	146	2.48	10.4	1.4	6.4	6	0.1	0.4	0.3	32	0.04	0.089
1403507		0.5	5.4	9.0	63	0.1	10.1	4.4	133	1.49	51.1	<0.5	2.7	6	<0.1	0.2	0.2	26	0.05	0.021
1403508		0.8	11.2	16.5	51	0.4	15.9	6.0	167	2.31	14.7	1.9	3.8	7	<0.1	0.4	0.2	35	0.08	0.027
1403509		1.0	22.0	17.0	85	<0.1	27.3	12.3	362	2.79	17.6	2.4	8.2	13	0.3	0.7	0.3	36	0.35	0.042
1403510		0.9	19.6	18.7	70	<0.1	20.2	10.8	427	2.54	17.4	1.0	5.7	14	0.5	0.6	0.3	33	0.28	0.031
1403511		0.9	24.6	18.6	76	0.1	27.4	10.6	376	2.70	28.8	4.0	7.4	21	0.3	0.9	0.3	28	0.77	0.048
1403512 AML-STD	Rock Pulp	1.2	411.1	22.2	163	0.2	207.5	71.3	792	14.88	3.5	32.2	6.9	16	<0.1	0.2	0.2	195	0.28	0.042
1403513		0.9	20.8	21.1	51	<0.1	16.3	7.4	621	2.14	10.7	1.2	2.3	20	0.7	0.6	0.2	25	0.56	0.052
1403514		0.8	33.0	20.1	65	0.2	28.1	11.2	530	2.56	26.8	4.5	5.4	30	0.2	0.9	0.3	22	0.94	0.062
1403515		0.7	22.6	16.9	73	0.1	24.4	11.1	406	2.49	27.0	4.1	6.2	43	0.2	0.7	0.3	23	0.76	0.051
1403516		0.9	25.6	17.6	72	0.1	27.9	10.9	520	2.33	15.3	2.4	6.3	47	0.5	0.9	0.3	25	1.37	0.060
1403517		0.5	25.0	14.5	63	0.1	21.4	9.2	566	2.19	8.8	1.4	4.5	61	0.5	0.9	0.3	22	1.35	0.054



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Project: TINA
Report Date: December 07, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

WHI11001882.1

	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	0.1	0.05	1	0.5
1403501		20	0.39	73	0.014	<1	1.63	0.005	0.05	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1403502		14	0.25	48	0.014	1	1.00	0.004	0.04	0.2	0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
1403503		19	0.42	60	0.016	<1	1.46	0.004	0.06	0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1403504		17	0.32	58	0.025	<1	1.31	0.004	0.04	0.2	<0.01	1.1	<0.1	<0.05	4	<0.5	<0.2
1403505		22	0.41	93	0.021	<1	1.65	0.004	0.05	0.2	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1403506		18	0.22	61	0.022	<1	1.31	0.003	0.05	0.2	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1403507		15	0.29	73	0.017	<1	1.00	0.004	0.05	0.2	0.01	1.1	<0.1	<0.05	4	<0.5	<0.2
1403508		20	0.38	79	0.020	<1	1.34	0.005	0.05	0.3	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
1403509		19	0.47	150	0.013	<1	1.40	0.014	0.12	0.2	0.04	2.8	0.1	<0.05	4	<0.5	<0.2
1403510		18	0.36	161	0.009	<1	1.32	0.006	0.08	0.2	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
1403511		19	0.53	146	0.015	1	1.15	0.012	0.11	0.2	0.04	2.7	0.1	<0.05	3	<0.5	<0.2
1403512 AML-STD	Rock Pulp	612	0.13	145	0.169	3	4.11	0.013	0.07	<0.1	0.02	31.1	<0.1	<0.05	20	<0.5	<0.2
1403513		13	0.25	119	0.013	1	1.07	0.008	0.05	0.2	0.03	1.2	<0.1	<0.05	3	<0.5	<0.2
1403514		16	0.32	185	0.010	1	1.08	0.008	0.08	0.2	0.05	2.1	0.1	0.06	3	<0.5	<0.2
1403515		14	0.36	124	0.011	1	0.96	0.009	0.08	0.1	0.04	2.0	<0.1	0.07	3	0.6	<0.2
1403516		16	0.58	97	0.014	2	0.80	0.011	0.07	0.2	0.04	2.0	<0.1	0.06	3	<0.5	<0.2
1403517		14	0.39	117	0.010	2	0.75	0.010	0.06	0.2	0.04	2.2	<0.1	0.07	2	<0.5	<0.2



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QUALITY CONTROL REPORT

WHI11001882.1

	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																					
1403514	QC	0.8	33.0	20.1	65	0.2	28.1	11.2	530	2.56	26.8	4.5	5.4	30	0.2	0.9	0.3	22	0.94	0.062	22
REP 1403514	QC	1.0	33.0	19.7	63	0.2	27.9	11.5	525	2.52	26.1	4.1	5.3	29	0.2	0.9	0.3	23	0.91	0.059	22
Reference Materials																					
STD DS8	Standard	13.1	105.3	129.7	308	1.8	37.3	7.0	595	2.42	26.4	120.4	6.6	72	2.2	5.2	6.0	42	0.71	0.077	16
STD DS8	Standard	13.1	100.5	119.5	301	1.7	38.3	7.7	586	2.34	23.5	114.7	6.1	67	2.2	5.1	5.8	40	0.70	0.075	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: TINA

Report Date: December 07, 2011

Page: 1 of 1 **Part** 2

QUALITY CONTROL REPORT

WHI11001882.1

	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																	
1403514	QC	16	0.32	185	0.010	1	1.08	0.008	0.08	0.2	0.05	2.1	0.1	0.06	3	<0.5	<0.2
REP 1403514	QC	15	0.31	178	0.010	2	1.03	0.009	0.08	0.2	0.04	2.4	<0.1	0.05	3	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	116	0.61	304	0.122	4	0.96	0.102	0.45	3.1	0.20	2.6	5.7	0.17	5	4.8	4.7
STD DS8	Standard	111	0.60	262	0.112	3	0.90	0.093	0.42	3.1	0.18	2.7	4.9	0.14	5	5.4	4.7
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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Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Argus Metals Corp.**
Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6 Canada

Submitted By: Michael Collins
Receiving Lab: Canada-Whitehorse
Received: September 20, 2011
Report Date: December 13, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11001859.1

CLIENT JOB INFORMATION

Project: TINA
Shipment ID: AML-2011-S-054
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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: Argus Metals Corp.
Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Paul Gray
Quartz Camp

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	301	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	320	Saving all or part of Soil Reject			WHI
1DX2	316	1:1:1 Aqua Regia digestion ICP-MS analysis	15	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:

TINA

Report Date:

December 13, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11001859.1

	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
1109342	Soil	1.5	14.3	17.5	90	<0.1	26.7	8.4	341	2.85	12.2	1.7	2.5	8	0.3	0.8	0.3	32	0.08	0.060	17
1109343	Soil	1.3	15.6	12.4	63	0.1	22.2	6.4	257	2.42	7.1	3.6	3.9	8	0.2	0.7	0.3	31	0.07	0.061	23
1109344	Soil	1.7	30.9	13.2	97	<0.1	39.5	14.9	639	3.23	7.6	3.7	7.3	17	0.3	1.0	0.3	41	0.18	0.090	30
1109345	Soil	1.4	17.9	10.3	71	<0.1	25.8	7.3	246	2.47	6.2	3.4	5.3	9	0.2	0.8	0.2	31	0.09	0.060	25
1109346	Soil	1.3	25.8	12.1	85	<0.1	39.6	12.6	478	3.31	7.8	3.3	6.1	11	0.3	0.7	0.2	41	0.11	0.075	27
1109347	Soil	1.1	30.2	14.1	100	<0.1	55.8	20.0	829	4.16	7.5	1.6	7.4	18	0.4	0.7	0.2	50	0.23	0.117	35
1109348 AML-STD	Rock Pulp	1.3	395.7	21.3	162	0.2	192.2	70.8	784	15.08	3.0	34.3	7.0	16	<0.1	0.3	0.2	196	0.28	0.042	17
1109349	Soil	1.1	20.7	12.2	75	<0.1	29.3	9.3	372	2.78	7.7	17.1	6.4	11	0.2	0.7	0.2	32	0.12	0.069	29
1109350	Soil	1.0	19.2	14.5	82	<0.1	27.8	9.4	367	2.74	19.3	2.9	6.0	9	0.3	1.4	0.2	28	0.09	0.058	25
1109901	Soil	0.8	51.1	8.4	46	<0.1	29.2	14.4	215	3.42	10.2	2.1	4.2	9	<0.1	0.3	0.5	22	0.02	0.054	34
1109902	Soil	0.4	25.5	5.9	82	<0.1	19.8	11.1	148	3.16	3.7	3.8	3.2	5	<0.1	0.1	0.4	21	0.01	0.043	21
1109903	Soil	0.5	24.4	6.8	81	<0.1	24.1	12.6	172	3.26	9.4	3.6	6.1	9	<0.1	0.2	0.4	23	0.02	0.043	29
1109904	Soil	0.7	19.6	11.3	54	<0.1	24.7	13.0	262	2.74	11.7	1.3	3.9	8	0.1	0.4	0.4	28	0.04	0.027	19
1109905	Soil	0.6	23.9	5.4	82	<0.1	31.9	14.5	161	3.27	2.2	2.3	2.0	3	<0.1	0.2	0.5	30	0.02	0.025	12
1109906	Soil	0.7	34.1	8.0	61	<0.1	58.2	22.1	151	3.06	8.7	2.4	4.7	7	<0.1	0.4	0.4	33	0.03	0.024	18
1109907	Soil	0.6	23.9	6.1	66	<0.1	31.3	12.6	87	3.09	3.2	3.2	1.9	4	<0.1	0.3	0.4	30	0.02	0.035	14
1109908	Soil	0.8	10.3	13.3	48	<0.1	15.5	7.4	221	2.47	10.8	2.7	3.9	7	0.1	0.5	0.3	27	0.05	0.035	18
1109909	Soil	0.4	20.2	9.0	40	<0.1	21.6	9.7	185	2.86	11.4	6.4	4.3	7	<0.1	0.3	0.4	26	0.04	0.033	17
1109910	Soil	0.9	22.6	11.3	60	<0.1	23.6	11.3	258	3.28	10.5	3.3	2.7	8	0.1	0.5	0.5	30	0.05	0.045	23
1109911	Soil	0.3	31.8	6.4	35	<0.1	31.9	16.2	166	3.11	7.2	3.5	9.5	13	<0.1	0.3	0.4	23	0.08	0.034	27
1109912	Rock Pulp	3.6	19.5	2.2	32	0.2	19.3	6.6	290	1.82	2.9	3.0	0.9	27	0.2	0.2	0.2	41	0.54	0.047	4
1109913	Soil	0.6	26.0	8.3	60	<0.1	22.6	11.5	184	3.08	15.8	4.3	3.9	7	<0.1	0.2	0.5	24	0.02	0.044	25
1109914	Soil	1.0	18.1	12.4	44	0.1	19.2	7.1	128	3.06	12.1	2.8	5.1	8	0.2	0.5	0.5	35	0.04	0.037	18
1109915	Soil	0.5	28.0	14.6	90	<0.1	32.6	17.4	508	3.38	6.9	4.1	7.6	35	0.2	0.2	0.4	32	0.64	0.113	24
1109916	Soil	0.9	21.7	11.7	38	<0.1	20.1	7.5	131	3.06	7.8	1.5	3.5	7	0.1	0.5	0.5	33	0.04	0.038	16
1109917	Soil	0.5	27.1	11.3	42	<0.1	33.3	14.6	207	3.07	5.9	3.8	5.6	8	<0.1	0.4	0.4	26	0.03	0.026	20
1109918	Soil	1.3	20.8	7.2	22	<0.1	11.2	6.0	122	2.84	3.9	1.7	3.9	8	<0.1	0.2	0.5	21	0.02	0.040	23
1109919	Soil	0.7	17.0	12.8	37	<0.1	17.5	7.7	156	2.94	8.5	3.2	4.0	8	0.1	0.3	0.4	33	0.04	0.033	18
1109920	Soil	0.6	18.1	13.1	45	<0.1	21.3	9.1	187	3.13	10.7	2.7	7.5	9	<0.1	0.3	0.4	30	0.05	0.032	21
1109921	Soil	0.5	40.8	14.7	58	<0.1	58.1	31.0	192	3.57	20.1	5.8	11.0	14	0.1	0.4	0.4	33	0.10	0.044	21



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Project: TINA
Report Date: December 13, 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
1109342	Soil	30	0.53	87	0.009	<1	1.41	0.003	0.04	0.2	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1109343	Soil	28	0.49	98	0.010	<1	1.30	0.004	0.05	0.1	0.03	1.4	<0.1	<0.05	5	<0.5	<0.2
1109344	Soil	51	0.89	230	0.016	<1	1.61	0.006	0.06	<0.1	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
1109345	Soil	30	0.58	124	0.009	<1	1.38	0.004	0.05	0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1109346	Soil	51	0.87	164	0.012	<1	1.75	0.004	0.05	0.1	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
1109347	Soil	78	1.32	199	0.013	<1	2.23	0.005	0.06	<0.1	0.03	4.2	<0.1	<0.05	8	<0.5	<0.2
1109348 AML-STD	Rock Pulp	517	0.13	134	0.189	3	3.92	0.013	0.06	<0.1	0.05	32.4	<0.1	<0.05	20	<0.5	<0.2
1109349	Soil	30	0.65	134	0.010	<1	1.49	0.004	0.05	0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
1109350	Soil	27	0.55	115	0.012	<1	1.36	0.004	0.04	0.2	0.04	1.6	<0.1	<0.05	4	<0.5	<0.2
1109901	Soil	24	0.59	38	0.019	<1	1.74	0.019	0.07	0.1	0.06	1.1	0.1	0.11	5	<0.5	<0.2
1109902	Soil	25	0.75	20	0.016	<1	1.62	0.008	0.04	<0.1	0.05	1.1	0.2	0.07	6	<0.5	<0.2
1109903	Soil	28	0.75	30	0.022	<1	1.76	0.010	0.05	0.1	0.04	1.2	0.1	0.06	6	<0.5	<0.2
1109904	Soil	23	0.56	49	0.044	<1	1.53	0.006	0.09	0.2	0.02	1.6	0.2	<0.05	5	0.6	<0.2
1109905	Soil	33	0.87	18	0.033	<1	1.72	0.004	0.10	<0.1	0.01	1.4	0.2	<0.05	7	<0.5	<0.2
1109906	Soil	28	0.61	44	0.057	<1	1.58	0.005	0.12	0.2	0.01	1.6	0.3	<0.05	6	<0.5	<0.2
1109907	Soil	30	0.70	28	0.039	<1	1.51	0.006	0.16	<0.1	0.07	1.1	0.3	0.06	6	<0.5	<0.2
1109908	Soil	19	0.38	47	0.028	<1	1.42	0.004	0.07	0.3	0.03	1.3	0.1	<0.05	4	<0.5	<0.2
1109909	Soil	22	0.54	39	0.048	11	1.44	0.007	0.16	0.1	0.03	1.4	0.2	0.05	5	<0.5	<0.2
1109910	Soil	26	0.66	63	0.023	<1	1.75	0.005	0.06	0.2	0.02	1.3	0.2	<0.05	6	<0.5	<0.2
1109911	Soil	26	0.78	47	0.053	<1	1.69	0.013	0.27	0.2	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
1109912	Rock Pulp	27	0.47	73	0.090	2	0.96	0.047	0.06	8.4	0.03	2.6	<0.1	0.06	3	<0.5	<0.2
1109913	Soil	25	0.67	39	0.028	<1	1.72	0.010	0.09	0.2	0.04	1.3	0.2	0.06	6	<0.5	<0.2
1109914	Soil	25	0.47	64	0.067	<1	1.53	0.008	0.13	0.3	0.04	1.8	0.2	<0.05	7	<0.5	<0.2
1109915	Soil	33	1.64	125	0.098	<1	2.97	0.020	0.21	0.3	0.04	3.0	0.4	<0.05	7	<0.5	<0.2
1109916	Soil	23	0.45	42	0.041	<1	1.51	0.005	0.08	0.3	0.02	1.6	0.2	<0.05	7	<0.5	<0.2
1109917	Soil	25	0.68	41	0.037	<1	1.71	0.005	0.11	<0.1	0.01	1.9	0.2	<0.05	5	<0.5	<0.2
1109918	Soil	21	0.49	38	0.036	<1	1.51	0.010	0.10	<0.1	0.04	1.2	0.2	<0.05	5	<0.5	<0.2
1109919	Soil	23	0.46	61	0.048	<1	1.74	0.007	0.11	0.2	0.04	1.6	0.2	<0.05	6	<0.5	<0.2
1109920	Soil	25	0.60	65	0.075	<1	1.93	0.009	0.18	0.2	0.01	2.4	0.3	<0.05	6	<0.5	<0.2
1109921	Soil	31	0.72	83	0.084	<1	2.70	0.015	0.20	0.2	0.02	2.7	0.3	<0.05	6	<0.5	<0.2



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December 13, 2011

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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	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
1109922	Soil	0.3	23.2	11.4	43	<0.1	30.2	13.4	226	3.12	19.3	3.9	11.6	16	<0.1	0.3	0.4	30	0.13	0.032	26
1109923	Soil	0.5	21.4	14.2	43	<0.1	31.7	13.4	163	3.11	39.9	4.7	10.4	12	<0.1	0.3	0.5	30	0.06	0.030	21
1109924 AML-STD	Rock Pulp	1.0	389.8	21.1	159	0.2	189.9	70.0	782	14.68	2.8	30.7	7.1	16	<0.1	0.3	0.2	188	0.27	0.041	17
1109925	Soil	0.6	24.3	12.1	37	<0.1	26.8	10.6	153	2.76	20.5	4.4	6.7	9	<0.1	0.3	0.4	29	0.05	0.031	23
1109926	Soil	0.2	28.9	14.9	46	<0.1	27.2	12.9	230	3.01	95.9	6.5	12.5	21	<0.1	0.3	0.4	27	0.11	0.027	27
1109927	Soil	0.4	21.1	19.9	51	0.2	17.0	6.1	185	2.86	105.3	5.6	1.4	18	0.2	0.3	0.5	30	0.04	0.055	17
1109928	Soil	0.4	27.2	17.7	54	<0.1	31.7	13.3	213	3.02	128.2	5.3	10.0	13	<0.1	0.4	0.5	28	0.08	0.026	25
1109929	Soil	0.6	27.4	22.9	65	<0.1	37.6	13.6	238	3.57	131.9	3.0	12.1	13	0.1	0.4	0.7	29	0.06	0.033	19
1109930	Soil	0.4	31.0	14.1	61	<0.1	32.1	15.8	316	3.08	23.3	3.8	12.3	19	<0.1	0.5	0.4	31	0.17	0.044	29
1109931	Soil	0.6	29.1	16.3	63	<0.1	35.0	15.2	306	3.19	26.8	4.3	10.4	13	0.2	0.5	0.4	36	0.09	0.032	25
1109932	Soil	0.4	30.8	41.2	64	<0.1	35.3	14.8	274	3.27	13.3	2.9	10.6	16	<0.1	0.3	0.4	30	0.13	0.032	26
1109933	Soil	0.6	23.1	35.5	66	<0.1	30.0	13.4	297	3.11	12.5	2.7	7.5	11	<0.1	0.3	0.4	36	0.07	0.028	20
1109934	Soil	0.5	13.0	10.7	40	<0.1	17.4	7.6	162	2.36	8.7	1.1	5.1	9	<0.1	0.3	0.3	28	0.07	0.030	22
1109937	Soil	0.7	18.1	9.4	62	<0.1	24.8	11.4	167	3.20	9.1	3.1	9.7	4	<0.1	0.3	0.3	29	0.02	0.023	25
1109938	Soil	0.6	22.8	11.3	67	<0.1	30.2	14.9	263	3.45	16.5	1.4	12.6	5	<0.1	0.4	0.4	31	0.02	0.020	27
1109939	Soil	0.4	20.1	9.4	51	0.1	29.6	9.4	167	2.36	8.6	1.6	1.2	5	<0.1	0.2	0.4	20	0.03	0.049	27
1109940	Soil	0.5	32.0	11.3	82	<0.1	38.1	17.2	394	3.82	23.5	2.8	16.2	7	<0.1	0.5	0.4	23	0.02	0.023	42
1109941	Soil	1.0	28.7	16.3	64	<0.1	20.3	9.9	301	3.30	22.1	1.5	5.8	8	0.2	0.8	0.4	33	0.03	0.043	31
1109942	Soil	0.4	33.9	17.0	75	<0.1	33.1	15.4	353	3.57	16.1	1.6	10.2	8	<0.1	0.8	0.3	19	0.03	0.032	36
1109943	Soil	0.8	32.4	20.6	81	<0.1	31.6	14.9	434	3.61	26.8	1.5	13.6	10	<0.1	0.9	0.4	25	0.02	0.029	39
1109944	Soil	0.7	29.3	21.3	68	<0.1	34.0	13.4	263	3.27	30.8	1.3	12.0	6	<0.1	0.9	0.3	23	0.03	0.033	32
1109945	Soil	0.9	21.3	20.8	67	0.1	30.0	11.5	262	2.79	25.4	2.6	7.4	7	0.1	0.8	0.3	30	0.04	0.036	27
1109946	Soil	1.0	16.2	17.3	54	<0.1	17.3	6.7	244	3.03	23.4	1.9	4.8	6	<0.1	1.0	0.3	28	0.03	0.044	26
1109947	Soil	0.8	26.8	21.3	65	0.1	23.7	10.9	321	3.27	31.3	3.8	9.3	8	<0.1	1.1	0.4	19	0.08	0.036	33
1109948 AML-STD	Rock Pulp	1.3	436.4	23.2	165	0.2	212.0	75.4	793	15.21	2.9	30.1	7.8	17	0.1	0.3	0.2	199	0.29	0.038	18
1109949	Soil	0.3	27.7	19.8	73	<0.1	30.1	12.1	332	3.23	31.7	3.2	13.9	6	<0.1	1.0	0.3	14	0.03	0.023	51
1109950	Soil	0.9	25.1	24.1	76	<0.1	29.7	14.0	453	3.53	39.0	2.0	9.0	6	<0.1	1.0	0.3	29	0.04	0.032	38
1109983	Soil	1.1	9.6	12.0	62	<0.1	19.4	5.4	215	2.27	8.0	1.0	6.9	5	0.2	0.5	0.2	35	0.04	0.035	29
1109984 AML-STD	Rock Pulp	1.0	411.1	23.5	155	0.2	204.5	74.8	808	14.91	2.3	29.0	7.6	16	<0.1	0.3	0.2	199	0.29	0.040	18
1109985	Soil	1.1	19.1	12.0	68	<0.1	26.6	8.3	349	2.58	13.0	2.1	9.5	10	<0.1	1.0	0.2	25	0.10	0.056	36



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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
1109922	Soil	29	0.80	95	0.105	<1	2.26	0.017	0.28	0.1	0.02	2.9	0.4	<0.05	6	<0.5	<0.2
1109923	Soil	27	0.66	75	0.086	<1	2.29	0.012	0.26	0.2	0.03	2.4	0.3	<0.05	7	<0.5	<0.2
1109924 AML-STD	Rock Pulp	501	0.14	136	0.179	4	3.99	0.013	0.07	<0.1	0.03	32.5	<0.1	<0.05	20	0.6	<0.2
1109925	Soil	19	0.54	63	0.066	<1	1.72	0.008	0.21	0.1	0.02	1.9	0.3	<0.05	6	<0.5	<0.2
1109926	Soil	26	0.80	82	0.099	<1	2.22	0.015	0.32	0.2	<0.01	2.8	0.5	<0.05	6	<0.5	<0.2
1109927	Soil	22	0.49	74	0.051	<1	1.78	0.009	0.23	0.1	0.04	1.2	0.3	0.06	8	<0.5	<0.2
1109928	Soil	28	0.81	80	0.083	1	2.16	0.011	0.23	0.2	0.01	2.4	0.3	<0.05	6	<0.5	<0.2
1109929	Soil	30	0.84	87	0.077	1	2.76	0.010	0.30	0.2	0.04	2.3	0.3	<0.05	6	<0.5	<0.2
1109930	Soil	28	0.85	101	0.075	2	2.01	0.016	0.24	0.2	0.02	2.9	0.3	<0.05	6	<0.5	<0.2
1109931	Soil	28	0.79	107	0.065	2	2.28	0.010	0.19	0.2	0.01	2.4	0.3	<0.05	6	<0.5	<0.2
1109932	Soil	31	0.95	84	0.077	<1	2.22	0.016	0.20	0.1	0.01	2.4	0.3	<0.05	6	<0.5	<0.2
1109933	Soil	28	0.70	86	0.051	<1	2.13	0.008	0.14	0.2	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
1109934	Soil	21	0.55	64	0.044	<1	1.72	0.010	0.13	0.1	0.02	1.7	0.2	<0.05	5	<0.5	<0.2
1109937	Soil	27	0.60	48	0.027	<1	1.87	0.003	0.05	0.1	0.02	1.7	0.1	<0.05	6	<0.5	<0.2
1109938	Soil	29	0.62	72	0.030	<1	2.01	0.005	0.07	0.2	0.02	1.9	0.2	<0.05	6	<0.5	<0.2
1109939	Soil	20	0.49	47	0.009	<1	1.50	0.005	0.05	0.1	0.02	0.6	0.1	<0.05	5	<0.5	<0.2
1109940	Soil	26	0.70	74	0.019	<1	1.95	0.007	0.08	0.2	<0.01	2.7	0.1	<0.05	5	<0.5	<0.2
1109941	Soil	23	0.48	68	0.014	1	1.84	0.007	0.04	0.2	0.02	1.4	<0.1	<0.05	6	<0.5	<0.2
1109942	Soil	22	0.60	70	0.011	<1	1.69	0.007	0.04	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1109943	Soil	24	0.58	96	0.014	<1	1.84	0.011	0.08	0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
1109944	Soil	21	0.50	75	0.010	<1	1.81	0.005	0.05	0.2	0.03	1.7	<0.1	<0.05	4	0.7	<0.2
1109945	Soil	21	0.45	79	0.013	<1	1.61	0.005	0.05	0.3	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1109946	Soil	18	0.37	49	0.011	<1	1.33	0.004	0.05	0.3	0.03	1.1	<0.1	0.05	5	<0.5	<0.2
1109947	Soil	16	0.43	53	0.007	<1	1.27	0.005	0.04	0.1	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1109948 AML-STD	Rock Pulp	582	0.15	145	0.176	4	4.33	0.014	0.07	<0.1	0.03	31.5	<0.1	<0.05	21	<0.5	<0.2
1109949	Soil	11	0.49	64	0.007	<1	1.37	0.007	0.04	0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
1109950	Soil	23	0.54	98	0.015	<1	1.79	0.005	0.05	0.2	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
1109983	Soil	25	0.41	113	0.018	<1	1.47	0.004	0.05	0.2	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
1109984 AML-STD	Rock Pulp	592	0.14	141	0.158	4	4.05	0.014	0.06	<0.1	0.03	30.9	<0.1	<0.05	19	0.8	<0.2
1109985	Soil	24	0.59	134	0.014	<1	1.37	0.006	0.06	<0.1	0.01	2.3	<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			
					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
1109986	Soil																							
1109987	Soil																							
1109988	Soil																							
1109989	Soil																							
1109990	Soil																							
1109991	Soil																							
1109992	Soil																							
1109993	Soil																							
1109994	Soil																							
1109995	Soil																							
1109996	Rock Pulp																							
1109997	Soil																							
1109998	Soil																							
1110301	Soil																							
1110302	Soil																							
1110303	Soil																							
1110304	Soil																							
1110305	Soil																							
1110306	Soil																							
1110307	Soil																							
1110308	Soil																							
1110309	Soil																							
1110310	Soil																							
1110311	Soil																							
1110312 AML-STD	Rock Pulp																							
1110313	Soil																							
1110314	Soil																							
1110315	Soil																							
1110316	Soil																							
1110317	Soil																							



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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
1109986	Soil	29	0.58	148	0.016	<1	1.35	0.006	0.06	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1109987	Soil	14	0.25	69	0.012	<1	0.81	0.011	0.04	<0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1109988	Soil	20	0.42	129	0.014	<1	1.25	0.005	0.05	0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1109989	Soil	18	0.39	99	0.011	<1	1.12	0.005	0.06	0.1	0.02	1.4	0.1	<0.05	4	0.6	<0.2
1109990	Soil	15	0.47	55	0.004	<1	1.34	0.003	0.04	<0.1	0.08	1.8	<0.1	0.09	3	<0.5	<0.2
1109991	Soil	27	0.40	131	0.016	<1	1.77	0.005	0.04	0.2	0.04	1.7	0.1	0.06	4	<0.5	<0.2
1109992	Soil	26	0.39	82	0.014	<1	1.55	0.004	0.05	0.3	0.04	1.7	<0.1	<0.05	6	<0.5	<0.2
1109993	Soil	26	0.46	80	0.016	<1	1.46	0.004	0.05	0.2	0.02	1.7	<0.1	<0.05	5	0.7	<0.2
1109994	Soil	9	0.12	27	<0.001	<1	0.50	0.003	0.03	<0.1	0.02	0.7	<0.1	0.05	2	<0.5	<0.2
1109995	Soil	26	0.41	143	0.019	<1	1.55	0.006	0.05	0.2	0.04	2.4	0.2	<0.05	4	1.1	<0.2
1109996	Rock Pulp	30	0.53	78	0.092	2	1.02	0.058	0.06	8.0	0.02	2.9	<0.1	0.07	4	<0.5	<0.2
1109997	Soil	25	0.42	103	0.012	<1	1.41	0.003	0.04	0.2	0.03	1.5	0.1	<0.05	4	0.9	<0.2
1109998	Soil	17	0.28	93	0.009	<1	1.05	0.003	0.03	0.2	0.03	0.9	<0.1	<0.05	4	<0.5	<0.2
1110301	Soil	17	0.37	58	0.005	<1	1.20	0.002	0.04	0.1	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1110302	Soil	20	0.25	53	0.015	<1	1.19	0.002	0.04	0.2	0.02	1.0	0.1	<0.05	4	<0.5	<0.2
1110303	Soil	13	0.17	41	0.007	<1	0.73	0.002	0.03	0.1	0.02	0.3	<0.1	<0.05	4	<0.5	<0.2
1110304	Soil	15	0.29	51	0.007	<1	1.05	0.002	0.04	0.2	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1110305	Soil	22	0.28	43	0.013	<1	1.15	0.002	0.03	0.3	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1110306	Soil	25	0.37	65	0.012	<1	1.29	0.003	0.03	0.3	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1110307	Soil	16	0.23	44	0.015	<1	0.87	0.002	0.03	0.2	0.02	0.9	<0.1	<0.05	5	<0.5	<0.2
1110308	Soil	21	0.26	46	0.013	<1	1.09	0.002	0.03	0.2	0.03	1.1	<0.1	<0.05	4	0.5	<0.2
1110309	Soil	18	0.58	38	0.004	<1	1.29	0.002	0.03	0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1110310	Soil	22	0.37	68	0.016	<1	1.39	0.002	0.04	0.2	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1110311	Soil	18	0.36	68	0.006	<1	1.25	0.002	0.05	0.1	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
1110312 AML-STD	Rock Pulp	560	0.11	132	0.148	3	3.59	0.011	0.06	<0.1	0.04	29.5	<0.1	<0.05	19	0.6	<0.2
1110313	Soil	11	0.17	29	0.009	<1	0.73	0.003	0.03	0.2	0.03	0.4	<0.1	<0.05	4	<0.5	<0.2
1110314	Soil	19	0.28	55	0.010	<1	1.12	0.003	0.04	0.2	0.02	0.7	<0.1	<0.05	4	<0.5	<0.2
1110315	Soil	20	0.39	72	0.007	<1	1.36	0.003	0.05	0.2	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
1110316	Soil	16	0.41	78	0.004	<1	1.23	0.002	0.05	0.1	0.03	1.2	<0.1	<0.05	3	<0.5	<0.2
1110317	Soil	17	0.51	58	0.006	<1	1.23	0.003	0.05	0.1	0.03	1.5	<0.1	<0.05	3	<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	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
1110318	Soil	1.5	15.4	18.0	47	<0.1	15.0	7.2	277	2.37	12.1	1.0	0.9	4	<0.1	1.2	0.5	32	0.04	0.045	20
1110319	Soil	0.8	20.1	13.7	57	<0.1	22.1	7.1	248	2.45	7.1	1.4	4.1	7	<0.1	1.5	0.2	16	0.10	0.037	24
1110320	Soil	0.8	34.7	20.8	80	0.2	34.8	13.3	1041	3.17	12.9	2.0	4.0	25	0.2	1.6	0.3	22	0.47	0.074	19
1110321	Soil	1.2	16.3	17.2	71	<0.1	23.9	7.1	283	3.19	12.4	1.3	3.9	6	0.1	1.6	0.3	30	0.06	0.043	17
1110322	Soil	0.6	28.1	42.5	89	<0.1	33.1	16.3	861	3.23	15.5	1.6	6.8	13	<0.1	2.8	0.3	16	0.19	0.062	18
1110323	Soil	0.9	19.7	34.0	79	0.4	23.7	9.2	496	2.54	27.0	1.5	3.4	10	0.1	3.2	0.3	23	0.14	0.049	18
1110324	Soil	3.1	18.4	2.0	30	0.2	18.6	6.5	266	1.63	2.0	<0.5	0.7	23	0.2	0.3	<0.1	40	0.51	0.041	4
1110325	Soil	1.3	14.2	27.5	46	0.9	14.3	5.0	188	2.62	47.6	1.9	3.1	9	0.1	2.8	0.4	25	0.02	0.038	15
1110326	Soil	0.3	5.8	23.2	13	2.2	5.1	1.6	46	0.55	11.8	2.1	1.3	6	0.1	2.0	0.3	7	0.04	0.031	14
1110327	Soil	0.9	20.7	286.2	43	4.3	15.3	5.7	232	2.42	214.0	11.0	1.7	7	<0.1	29.9	1.9	12	0.03	0.040	12
1110328	Soil	0.6	18.5	47.9	46	1.4	16.2	7.1	751	1.97	37.3	2.4	1.5	29	0.1	4.9	0.8	20	0.69	0.070	11
1110329	Soil	0.8	38.1	63.4	71	0.9	29.5	11.3	620	3.80	173.9	7.2	8.3	13	0.2	12.3	1.3	13	0.14	0.056	23
1110330	Soil	0.6	18.8	16.3	66	0.2	19.9	7.0	339	2.13	28.2	2.3	3.9	21	0.2	2.1	0.4	18	0.38	0.061	17
1110331	Soil	0.6	14.7	14.2	61	<0.1	18.0	7.3	369	1.90	19.9	1.5	3.8	12	<0.1	1.3	0.2	16	0.20	0.053	16
1110332	Soil	1.0	19.3	16.0	71	0.1	21.1	7.9	318	2.25	72.5	<0.5	4.0	15	0.2	1.5	0.3	20	0.22	0.063	20
1110333	Soil	0.8	16.4	15.2	74	0.1	20.3	7.6	344	2.26	39.4	0.8	3.7	15	0.1	1.5	0.3	21	0.23	0.065	19
1110334	Soil	0.9	18.2	12.0	69	<0.1	20.2	6.8	285	2.02	23.4	2.1	4.8	10	0.3	1.1	0.2	22	0.13	0.056	23
1110335	Soil	1.0	16.0	15.1	67	<0.1	22.0	7.5	362	2.28	19.8	2.1	4.9	10	0.2	1.3	0.2	23	0.12	0.054	25
1110336	Soil	0.8	18.2	17.5	62	0.1	21.3	7.1	305	2.14	23.8	5.2	4.8	10	0.2	1.7	0.4	24	0.12	0.056	24
1110337	Soil	0.8	15.7	13.2	56	<0.1	19.1	6.6	268	2.06	16.9	1.1	6.2	8	0.1	1.2	0.3	22	0.10	0.055	28
1110338	Soil	1.0	17.7	15.8	67	<0.1	22.6	8.1	377	2.26	19.9	2.6	5.9	12	0.2	1.2	0.4	24	0.15	0.054	24
1110339	Soil	0.7	19.4	15.0	65	<0.1	22.8	8.1	295	2.36	19.2	4.8	6.8	17	0.2	1.2	0.3	22	0.28	0.051	21
1110340	Soil	0.9	26.9	21.9	80	0.1	32.9	12.2	517	2.87	16.3	1.1	8.5	16	0.2	1.7	0.3	26	0.26	0.061	26
1110341	Soil	0.6	19.7	15.8	68	<0.1	22.6	9.1	419	2.38	18.0	1.0	5.8	18	0.3	1.3	0.3	23	0.31	0.055	20
1110342	Soil	1.1	17.0	18.8	102	<0.1	21.7	9.2	372	2.90	20.4	0.7	1.8	29	0.5	0.9	0.4	31	0.43	0.071	12
1110343	Soil	0.6	21.0	12.7	63	<0.1	21.6	8.0	386	2.24	9.5	1.8	3.9	23	0.2	1.1	0.3	19	0.31	0.050	18
1110344	Soil	1.4	26.9	28.4	87	0.2	27.1	10.5	908	2.88	23.9	1.5	1.8	61	1.0	1.6	0.4	27	1.04	0.088	9
1110345	Soil	1.0	6.0	11.3	32	<0.1	12.3	4.1	124	1.73	7.8	1.2	3.9	4	<0.1	0.5	0.2	30	0.05	0.020	14
1110346	Soil	1.5	20.9	23.9	78	<0.1	23.6	9.0	288	3.94	25.0	1.0	5.7	9	0.2	1.6	0.4	32	0.07	0.044	17
1110347	Soil	1.3	13.2	20.1	69	<0.1	16.4	6.0	250	3.43	12.8	<0.5	5.5	4	0.2	0.9	0.3	41	0.03	0.035	17



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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
1110318	Soil	14	0.29	37	0.012	<1	0.92	0.002	0.04	0.2	0.02	0.6	<0.1	<0.05	5	<0.5	<0.2
1110319	Soil	16	0.43	69	0.003	<1	1.16	0.004	0.05	<0.1	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
1110320	Soil	26	0.66	136	0.006	<1	1.59	0.004	0.05	0.1	0.05	2.3	<0.1	<0.05	4	<0.5	<0.2
1110321	Soil	22	0.43	67	0.009	<1	1.20	0.002	0.04	0.2	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1110322	Soil	23	0.56	61	0.005	<1	1.39	0.003	0.05	0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1110323	Soil	21	0.42	111	0.008	<1	1.21	0.003	0.05	0.2	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1110324	Soil	26	0.40	70	0.081	2	0.87	0.042	0.05	7.6	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1110325	Soil	17	0.25	44	0.008	<1	0.93	0.003	0.04	0.2	0.05	1.0	0.1	<0.05	3	<0.5	<0.2
1110326	Soil	6	0.05	37	0.002	<1	0.39	0.002	0.03	0.1	0.05	0.3	0.1	<0.05	3	<0.5	<0.2
1110327	Soil	11	0.16	47	0.004	<1	0.64	0.003	0.05	0.2	0.15	0.7	0.1	<0.05	2	<0.5	<0.2
1110328	Soil	15	0.24	141	0.004	<1	0.95	0.004	0.04	0.1	0.08	1.0	0.1	<0.05	3	<0.5	<0.2
1110329	Soil	15	0.24	81	0.004	<1	0.71	0.003	0.04	<0.1	0.06	1.8	<0.1	<0.05	2	<0.5	<0.2
1110330	Soil	16	0.33	142	0.007	<1	0.98	0.005	0.05	0.1	0.04	1.5	<0.1	<0.05	3	<0.5	<0.2
1110331	Soil	15	0.32	114	0.006	<1	0.87	0.003	0.04	0.1	0.03	1.2	<0.1	<0.05	3	<0.5	<0.2
1110332	Soil	17	0.32	158	0.007	<1	0.97	0.004	0.05	0.2	0.04	1.4	<0.1	<0.05	3	<0.5	<0.2
1110333	Soil	19	0.33	147	0.007	<1	1.04	0.004	0.05	0.1	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1110334	Soil	17	0.32	159	0.011	<1	0.97	0.004	0.05	0.2	0.04	1.5	<0.1	<0.05	3	<0.5	<0.2
1110335	Soil	19	0.36	150	0.014	<1	1.06	0.005	0.05	0.1	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1110336	Soil	20	0.37	134	0.010	1	1.01	0.004	0.04	0.2	0.03	1.2	<0.1	<0.05	3	<0.5	<0.2
1110337	Soil	18	0.34	107	0.010	1	0.98	0.003	0.04	0.1	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
1110338	Soil	18	0.37	175	0.014	1	1.08	0.007	0.07	0.2	0.02	1.2	0.1	<0.05	3	<0.5	<0.2
1110339	Soil	19	0.41	122	0.008	1	1.07	0.006	0.05	0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1110340	Soil	31	0.55	165	0.013	1	1.32	0.007	0.08	0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1110341	Soil	18	0.39	138	0.008	<1	1.05	0.006	0.05	0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1110342	Soil	23	0.38	95	0.011	2	1.26	0.005	0.05	0.2	0.03	1.0	<0.1	0.07	4	<0.5	<0.2
1110343	Soil	17	0.42	121	0.007	<1	1.16	0.004	0.05	0.1	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
1110344	Soil	23	0.39	120	0.007	1	1.26	0.005	0.04	0.1	0.04	0.9	<0.1	0.14	3	0.8	<0.2
1110345	Soil	17	0.25	82	0.010	<1	1.05	0.003	0.02	0.2	0.02	0.9	<0.1	<0.05	3	<0.5	<0.2
1110346	Soil	22	0.37	86	0.010	<1	1.22	0.003	0.03	0.2	0.02	1.0	<0.1	<0.05	5	<0.5	<0.2
1110347	Soil	20	0.29	62	0.006	<1	1.40	0.003	0.03	0.1	0.03	1.2	<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	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
1110348 AML-STD	Rock Pulp	1.1	398.5	21.1	147	0.2	186.9	68.0	736	13.01	3.1	26.8	6.9	14	<0.1	0.3	0.2	191	0.26	0.042
1110349	Soil	1.1	8.7	15.5	68	<0.1	19.2	7.7	242	2.59	14.7	<0.5	5.4	8	0.2	0.7	0.3	21	0.07	0.017
1110350	Soil	1.1	33.6	22.0	81	0.1	31.6	12.2	338	3.18	17.0	1.3	9.0	9	0.2	1.3	0.3	34	0.09	0.028
1110351	Soil	0.5	18.7	17.3	38	0.3	15.6	5.8	155	2.01	5.2	0.8	0.8	4	<0.1	0.4	0.3	14	0.02	0.057
1110352	Soil	0.5	31.3	22.1	70	<0.1	30.3	15.4	593	3.08	9.1	1.4	8.6	8	<0.1	0.7	0.3	14	0.08	0.052
1110353	Soil	0.5	28.5	20.6	66	<0.1	28.6	13.8	435	3.03	7.9	1.0	7.7	6	<0.1	0.6	0.3	14	0.05	0.041
1110354	Soil	0.6	21.0	17.0	40	0.1	14.8	5.7	177	2.03	5.4	0.5	1.4	4	<0.1	0.4	0.3	17	0.02	0.051
1110355	Soil	0.8	22.9	21.6	43	<0.1	16.3	6.2	195	2.42	5.4	2.5	0.6	4	<0.1	0.4	0.3	21	0.02	0.057
1110356	Soil	1.0	21.1	19.5	68	<0.1	24.5	8.0	264	2.81	11.2	0.8	3.6	7	0.1	0.8	0.3	30	0.06	0.049
1110357	Soil	0.6	20.3	16.3	43	0.1	17.4	5.9	142	2.17	5.0	0.9	2.3	3	<0.1	0.4	0.2	12	0.02	0.056
1110358	Soil	1.1	16.4	12.8	53	<0.1	19.6	6.7	157	2.41	10.0	0.9	4.3	5	<0.1	0.8	0.3	25	0.03	0.036
1110359	Soil	1.1	13.6	16.1	34	<0.1	17.1	5.4	138	2.16	7.6	4.5	3.0	3	<0.1	0.5	0.2	19	0.01	0.032
1110360	Rock Pulp	3.6	21.0	3.2	32	0.2	20.7	7.1	289	1.81	5.1	1.0	0.9	27	0.2	0.3	<0.1	45	0.59	0.045
1110361	Soil	0.9	15.2	12.5	40	0.1	15.4	5.2	130	1.98	8.1	2.1	1.1	3	0.1	0.6	0.2	21	0.02	0.047
1110362	Soil	1.2	28.5	19.6	83	<0.1	30.7	9.8	325	3.22	16.7	1.7	7.6	8	0.1	1.2	0.3	23	0.06	0.050
1110363	Soil	2.1	14.9	21.0	51	0.1	14.7	8.8	496	1.92	14.3	1.0	0.6	6	<0.1	1.1	0.3	40	0.03	0.042
1110364	Soil	1.4	11.6	16.4	38	0.2	11.8	3.7	109	1.49	11.9	1.0	0.7	5	0.2	0.8	0.3	31	0.03	0.036
1110365	Soil	1.2	9.7	17.5	32	<0.1	10.4	2.7	74	1.38	8.2	<0.5	1.0	5	0.3	0.7	0.3	27	0.03	0.031
1110366	Soil	2.3	15.4	12.6	76	0.2	23.6	6.6	181	2.17	14.2	1.3	4.0	13	<0.1	1.4	0.3	45	0.14	0.033
1110367	Soil	0.6	38.4	25.6	92	0.1	33.0	12.7	517	2.92	13.1	1.6	3.5	39	0.2	0.6	0.3	20	0.80	0.082
1110368	Soil	1.2	13.3	14.6	47	<0.1	13.1	4.3	156	2.31	8.0	1.8	1.5	6	0.1	0.7	0.3	36	0.04	0.041
1110369	Soil	1.2	16.6	21.4	56	<0.1	25.3	22.3	511	2.44	6.9	8.1	2.9	7	0.1	0.7	0.2	33	0.05	0.042
1110370	Soil	1.2	18.9	17.5	59	<0.1	20.1	10.1	647	2.45	7.9	3.0	1.4	9	0.2	0.8	0.3	31	0.07	0.056
1110371	Soil	1.0	23.4	23.7	61	<0.1	23.5	14.2	468	2.63	7.4	1.8	4.0	10	0.1	0.9	0.3	21	0.03	0.035
1110372	Soil	1.3	30.1	28.9	46	0.2	12.1	5.4	104	3.12	6.5	2.5	2.1	9	<0.1	0.9	0.4	14	0.02	0.150
1110373	Soil	1.3	30.7	26.2	77	<0.1	19.4	11.5	769	3.64	8.5	1.3	3.4	7	0.2	1.1	0.4	20	0.02	0.085
1110374	Soil	1.3	29.3	23.0	76	<0.1	20.7	9.3	440	3.35	9.0	<0.5	3.2	6	0.2	1.1	0.3	21	0.03	0.066
1110375	Soil	1.0	29.3	21.7	64	<0.1	24.8	10.7	303	3.31	8.4	2.2	6.6	7	0.2	1.3	0.3	25	0.02	0.045
1110376	Soil	1.2	24.5	22.3	63	<0.1	19.9	7.8	233	3.19	10.5	1.7	3.8	8	0.1	1.2	0.3	24	0.02	0.042
1110377	Soil	0.3	46.5	32.1	80	0.1	42.1	24.5	1337	4.08	35.2	1.2	6.9	38	0.3	0.8	0.4	11	0.62	0.048



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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
1110348 AML-STD	Rock Pulp	583	0.12	135	0.141	3	3.46	0.012	0.06	<0.1	0.04	27.9	0.1	<0.05	18	<0.5	<0.2
1110349	Soil	11	0.42	82	0.005	<1	1.26	0.002	0.03	<0.1	<0.01	0.9	<0.1	<0.05	4	<0.5	<0.2
1110350	Soil	22	0.50	179	0.005	<1	1.52	0.003	0.04	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1110351	Soil	14	0.28	26	0.005	<1	0.95	0.006	0.02	<0.1	0.02	0.2	<0.1	<0.05	4	<0.5	<0.2
1110352	Soil	22	0.59	40	0.009	<1	1.40	0.003	0.04	<0.1	<0.01	1.1	<0.1	<0.05	4	<0.5	<0.2
1110353	Soil	20	0.53	38	0.006	<1	1.38	0.002	0.03	<0.1	<0.01	0.9	<0.1	<0.05	4	<0.5	<0.2
1110354	Soil	13	0.24	32	0.005	<1	0.87	0.006	0.03	<0.1	0.02	0.3	<0.1	<0.05	4	<0.5	<0.2
1110355	Soil	16	0.27	40	0.007	<1	1.01	0.004	0.03	<0.1	0.03	0.2	<0.1	<0.05	4	<0.5	<0.2
1110356	Soil	23	0.47	70	0.009	1	1.29	0.003	0.04	0.1	0.01	0.9	<0.1	<0.05	4	<0.5	<0.2
1110357	Soil	16	0.35	31	0.003	<1	1.00	0.006	0.02	<0.1	0.03	0.4	<0.1	<0.05	3	<0.5	<0.2
1110358	Soil	17	0.34	38	0.008	<1	0.99	0.003	0.03	0.1	0.02	0.7	<0.1	<0.05	3	<0.5	<0.2
1110359	Soil	16	0.20	22	0.007	<1	0.71	0.003	0.02	<0.1	0.02	0.5	<0.1	<0.05	3	<0.5	<0.2
1110360	Rock Pulp	30	0.45	74	0.091	3	0.96	0.047	0.06	8.0	0.01	2.6	<0.1	0.09	3	<0.5	<0.2
1110361	Soil	14	0.21	40	0.007	<1	0.77	0.003	0.03	0.1	0.02	0.3	<0.1	<0.05	3	<0.5	<0.2
1110362	Soil	21	0.55	64	0.004	<1	1.45	0.004	0.04	<0.1	<0.01	0.8	<0.1	<0.05	4	<0.5	<0.2
1110363	Soil	15	0.25	76	0.007	<1	0.89	0.004	0.04	0.1	0.02	0.4	0.1	<0.05	4	<0.5	<0.2
1110364	Soil	13	0.22	60	0.008	<1	0.78	0.004	0.03	<0.1	0.02	0.3	<0.1	<0.05	4	<0.5	<0.2
1110365	Soil	12	0.21	54	0.009	<1	0.77	0.004	0.02	<0.1	0.02	0.3	<0.1	<0.05	4	<0.5	<0.2
1110366	Soil	20	0.49	79	0.007	<1	1.22	0.003	0.04	<0.1	0.02	0.7	0.1	<0.05	4	<0.5	<0.2
1110367	Soil	25	0.48	80	0.005	<1	1.95	0.005	0.03	<0.1	0.04	1.3	<0.1	0.11	4	<0.5	<0.2
1110368	Soil	20	0.22	44	0.021	<1	0.93	0.003	0.04	0.2	0.04	0.7	0.1	<0.05	5	<0.5	<0.2
1110369	Soil	23	0.30	58	0.025	1	1.08	0.003	0.05	0.2	0.05	1.0	<0.1	0.05	4	<0.5	<0.2
1110370	Soil	21	0.29	79	0.017	<1	1.08	0.004	0.05	0.1	0.05	0.7	<0.1	0.07	4	<0.5	<0.2
1110371	Soil	16	0.24	42	0.013	<1	1.03	0.003	0.04	0.1	0.03	0.9	<0.1	<0.05	3	<0.5	<0.2
1110372	Soil	17	0.16	36	0.003	<1	1.05	0.004	0.02	<0.1	0.07	0.4	<0.1	0.09	3	0.7	<0.2
1110373	Soil	20	0.34	58	0.007	2	1.44	0.003	0.05	0.1	0.05	0.8	<0.1	0.06	4	0.9	<0.2
1110374	Soil	19	0.32	45	0.010	2	1.20	0.003	0.05	0.1	0.04	0.9	<0.1	<0.05	4	0.6	<0.2
1110375	Soil	21	0.34	45	0.009	1	1.37	0.003	0.03	0.1	0.02	1.0	<0.1	<0.05	4	0.5	<0.2
1110376	Soil	19	0.32	35	0.013	1	1.17	0.003	0.05	0.1	0.03	0.9	<0.1	<0.05	4	0.6	<0.2
1110377	Soil	16	0.76	86	0.004	<1	1.61	0.003	0.03	<0.1	0.03	5.9	<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	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
1110378	Soil	1.1	22.4	19.4	72	<0.1	29.1	7.7	251	3.09	21.6	1.3	5.7	6	0.1	1.3	0.4	32	0.06	0.038	17
1110379	Soil	0.7	7.5	13.1	38	0.1	11.3	3.6	111	1.59	8.6	0.8	1.3	5	<0.1	0.4	0.2	28	0.05	0.039	15
1110380	Soil	1.4	29.0	13.4	91	<0.1	43.1	13.7	538	3.18	14.8	2.2	7.8	15	0.2	1.2	0.2	43	0.19	0.088	29
1110381	Soil	0.8	33.2	23.1	71	0.2	32.2	13.9	919	3.22	104.9	2.8	3.9	57	0.1	3.1	1.1	15	0.97	0.065	10
1110382	Soil	1.0	5.7	12.0	51	0.3	11.8	3.5	137	2.01	9.8	1.1	4.1	4	0.1	0.7	0.5	35	0.04	0.031	15
1110383	Soil	0.8	17.2	34.0	79	0.1	18.7	5.9	175	3.01	67.7	1.2	7.2	4	0.1	5.5	1.3	21	0.02	0.027	20
1110384 AML-STD	Rock Pulp	1.2	365.7	22.6	152	0.2	185.8	64.4	726	13.99	2.7	30.1	7.2	15	0.1	0.3	0.2	192	0.26	0.039	17
1110385	Soil	0.8	15.3	26.1	71	<0.1	22.0	7.4	311	2.38	31.1	1.0	6.1	7	0.2	1.4	0.3	25	0.07	0.049	21
1110386	Soil	0.8	25.1	30.3	83	<0.1	33.3	12.0	401	3.06	37.0	1.7	7.4	9	0.3	1.7	0.3	22	0.07	0.049	19
1110387	Soil	0.9	25.3	28.3	75	0.4	32.9	11.1	376	2.79	32.1	2.1	6.1	24	0.2	2.4	0.9	25	0.32	0.047	16
1110388	Soil	0.9	14.6	30.5	81	0.1	20.0	14.9	721	2.59	42.6	1.1	4.1	7	0.4	2.3	0.5	23	0.07	0.048	15
1110389	Soil	0.2	30.8	14.4	44	<0.1	16.2	6.3	73	2.04	51.6	0.8	6.6	8	<0.1	2.2	0.4	7	<0.01	0.022	15
1110390	Soil	1.0	5.6	12.8	57	<0.1	11.9	4.9	198	2.10	9.8	1.5	4.4	5	0.1	0.4	0.2	37	0.04	0.027	15
1110391	Soil	0.7	29.8	27.8	68	0.1	25.5	8.4	272	3.89	23.5	1.2	7.7	6	0.1	2.5	0.4	16	0.04	0.042	17
1110392	Soil	0.8	30.4	32.0	72	0.2	32.2	11.1	286	4.01	28.1	2.1	10.3	6	<0.1	4.3	0.4	17	0.04	0.038	20
1110393	Soil	0.7	20.8	23.8	61	<0.1	24.1	10.8	301	3.80	31.7	1.1	7.1	5	<0.1	2.6	0.6	22	0.04	0.025	15
1110394	Soil	1.0	11.5	51.5	38	<0.1	9.4	6.1	603	3.33	13.4	<0.5	2.0	43	0.2	0.9	0.3	37	0.63	0.032	15
1110395	Soil	0.9	15.6	30.1	73	<0.1	17.3	8.8	394	2.69	15.2	1.5	2.6	30	0.4	1.1	0.3	32	0.40	0.042	14
1110396	Rock Pulp	3.5	18.8	5.0	32	0.2	18.9	6.5	287	1.74	2.9	1.3	0.9	25	0.2	0.3	<0.1	41	0.58	0.042	4
1110397	Soil	1.2	10.4	18.6	64	<0.1	20.4	6.3	216	2.57	11.1	1.1	6.2	5	0.2	0.7	0.3	34	0.04	0.033	16
1110398	Soil	0.8	19.8	17.9	59	0.1	28.0	10.7	245	2.82	13.1	1.0	7.4	5	0.2	0.9	0.3	23	0.04	0.032	22
1110399	Soil	0.6	21.6	17.2	74	<0.1	25.2	9.9	419	2.62	9.1	2.9	9.1	13	0.2	0.8	0.2	21	0.15	0.046	28
1110400	Soil	0.7	15.8	18.3	73	0.2	22.4	8.8	333	2.58	8.1	2.9	5.6	9	0.4	0.6	0.3	25	0.11	0.049	22
1110401	Soil	0.9	6.4	16.3	48	<0.1	11.6	3.8	178	1.88	11.9	1.0	3.9	5	0.2	0.8	0.3	27	0.03	0.023	15
1110402	Soil	0.4	6.8	11.4	54	<0.1	17.2	5.3	306	1.97	6.1	<0.5	3.8	13	0.2	0.5	0.3	18	0.19	0.028	17
1110403	Soil	1.2	6.5	15.4	47	0.1	13.2	4.3	213	2.54	9.1	0.6	4.5	5	0.1	0.7	0.3	40	0.04	0.032	16
1110404	Soil	1.1	22.7	41.3	73	0.2	29.2	11.1	416	4.72	226.7	1.3	7.8	4	0.1	4.1	1.2	27	0.02	0.034	18
1110405	Soil	0.6	21.7	18.9	68	0.2	22.7	8.2	252	2.41	10.4	1.2	4.5	44	0.2	0.8	0.3	24	0.54	0.053	18
1110406	Soil	1.0	26.2	48.9	72	0.1	29.1	12.5	678	3.22	22.4	1.5	8.2	9	0.2	1.6	0.4	20	0.09	0.076	20
1110407	Soil	1.0	16.7	14.8	65	0.2	19.0	6.4	272	3.67	19.5	0.6	6.4	3	0.1	1.3	0.4	34	0.02	0.054	24



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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
1110378	Soil	29	0.49	93	0.007	2	1.48	0.005	0.04	0.2	0.03	1.7	<0.1	<0.05	5	0.5	<0.2
1110379	Soil	19	0.29	68	0.010	1	1.04	0.003	0.03	0.2	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
1110380	Soil	50	0.89	281	0.016	6	1.79	0.014	0.09	0.1	0.04	3.3	<0.1	<0.05	6	<0.5	<0.2
1110381	Soil	15	0.29	101	0.007	2	0.92	0.005	0.03	0.1	0.07	2.3	<0.1	<0.05	3	0.6	<0.2
1110382	Soil	21	0.30	65	0.017	1	1.31	0.003	0.03	0.2	0.03	1.3	0.1	<0.05	5	<0.5	<0.2
1110383	Soil	18	0.34	63	0.004	1	1.38	0.003	0.03	0.2	0.02	1.1	<0.1	<0.05	3	0.6	<0.2
1110384 AML-STD	Rock Pulp	578	0.12	141	0.146	4	3.67	0.012	0.06	<0.1	0.03	29.2	<0.1	<0.05	19	0.6	<0.2
1110385	Soil	22	0.37	86	0.009	<1	1.09	0.003	0.03	0.1	0.01	1.3	<0.1	<0.05	3	0.6	<0.2
1110386	Soil	22	0.49	117	0.006	<1	1.47	0.006	0.06	0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
1110387	Soil	22	0.45	104	0.009	<1	1.26	0.007	0.05	0.2	0.04	2.1	<0.1	<0.05	4	<0.5	<0.2
1110388	Soil	18	0.31	88	0.007	<1	1.07	0.004	0.05	0.1	0.03	1.2	0.1	<0.05	4	0.5	<0.2
1110389	Soil	5	0.04	27	<0.001	<1	0.39	0.002	0.03	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
1110390	Soil	25	0.34	90	0.031	1	1.36	0.005	0.04	0.3	0.02	1.4	0.1	<0.05	5	0.7	<0.2
1110391	Soil	18	0.42	37	0.004	<1	1.20	0.003	0.03	<0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1110392	Soil	24	0.53	45	0.005	1	1.57	0.003	0.04	<0.1	0.04	1.3	<0.1	<0.05	4	0.5	<0.2
1110393	Soil	16	0.46	58	0.003	<1	1.36	0.004	0.03	<0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1110394	Soil	13	0.12	99	0.016	<1	0.84	0.003	0.02	0.2	0.03	0.9	<0.1	<0.05	5	0.5	<0.2
1110395	Soil	17	0.27	79	0.014	1	0.98	0.004	0.03	0.2	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
1110396	Rock Pulp	26	0.43	72	0.082	3	0.91	0.048	0.06	8.5	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
1110397	Soil	24	0.37	104	0.016	1	1.56	0.007	0.04	0.2	0.02	1.6	0.1	<0.05	5	<0.5	<0.2
1110398	Soil	20	0.45	110	0.009	<1	1.65	0.005	0.05	0.1	0.04	1.4	<0.1	<0.05	4	<0.5	<0.2
1110399	Soil	19	0.48	136	0.014	2	1.31	0.009	0.11	0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1110400	Soil	18	0.46	112	0.013	<1	1.38	0.007	0.06	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1110401	Soil	13	0.29	50	0.013	<1	0.88	0.004	0.04	0.2	0.02	0.8	<0.1	<0.05	4	0.5	<0.2
1110402	Soil	16	0.42	81	0.005	<1	1.00	0.007	0.03	<0.1	0.01	0.8	<0.1	<0.05	4	<0.5	<0.2
1110403	Soil	18	0.29	77	0.021	<1	1.14	0.003	0.03	0.2	0.02	1.1	<0.1	<0.05	5	<0.5	<0.2
1110404	Soil	30	0.54	98	0.003	<1	1.79	0.003	0.03	<0.1	0.04	1.6	<0.1	<0.05	5	<0.5	<0.2
1110405	Soil	17	0.43	134	0.012	2	1.47	0.011	0.07	0.1	0.04	2.0	<0.1	<0.05	4	<0.5	<0.2
1110406	Soil	21	0.40	75	0.008	<1	1.60	0.004	0.04	0.1	0.04	1.8	<0.1	<0.05	4	0.7	<0.2
1110407	Soil	18	0.39	37	0.008	<1	1.27	0.003	0.03	0.2	0.02	1.0	<0.1	<0.05	6	<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	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
1110408	Soil	1.3	12.3	15.2	68	<0.1	22.3	5.5	206	2.60	12.5	1.9	4.5	6	0.2	0.9	0.2	29	0.06	0.036	13
1110409	Soil	0.7	22.9	22.9	74	<0.1	29.7	9.6	304	3.34	89.0	0.8	7.7	7	0.2	2.6	0.7	25	0.07	0.036	22
1110410	Soil	0.9	12.1	14.4	69	0.2	20.6	6.8	369	2.13	12.1	<0.5	2.2	17	0.1	0.8	0.2	27	0.29	0.051	14
1110411	Soil	1.0	17.4	20.5	67	<0.1	25.5	7.6	241	3.19	36.5	<0.5	6.6	7	0.1	1.7	0.6	28	0.08	0.036	23
1110412	Rock Pulp	3.6	19.2	2.4	32	0.2	19.4	6.5	283	1.83	3.9	1.5	0.9	27	0.2	0.3	<0.1	39	0.57	0.049	4
1110413	Soil	0.8	18.3	26.2	55	0.2	20.0	7.0	351	2.73	193.5	2.9	4.1	5	0.1	3.6	0.8	21	0.04	0.036	16
1110414	Soil	0.3	19.8	4.9	23	<0.1	22.2	10.6	100	2.78	5.8	<0.5	4.3	9	<0.1	0.2	0.3	28	0.02	0.023	15
1110415	Soil	0.4	24.3	5.5	36	<0.1	30.4	14.9	106	3.10	6.0	<0.5	5.7	8	<0.1	0.2	0.4	24	0.02	0.026	17
1110416	Soil	0.3	20.3	5.9	39	<0.1	21.1	10.4	75	3.09	3.1	<0.5	8.1	8	<0.1	0.1	0.3	24	0.02	0.028	23
1110417	Soil	0.4	26.9	8.2	50	0.1	27.5	14.7	137	3.36	13.7	2.0	9.2	18	<0.1	0.3	0.4	23	0.05	0.040	21
1110418	Soil	0.3	26.8	8.6	63	<0.1	24.2	11.6	126	3.15	15.9	1.0	4.1	8	<0.1	0.3	0.4	24	0.03	0.029	15
1110419	Soil	0.2	25.1	9.7	59	<0.1	30.6	15.0	279	3.30	19.7	<0.5	11.5	25	<0.1	0.5	0.3	28	0.23	0.027	20
1110420	Soil	0.6	30.7	7.3	55	<0.1	27.7	18.2	203	3.85	15.0	<0.5	11.5	11	<0.1	0.2	0.4	19	0.02	0.058	32
1110421	Soil	0.5	21.8	9.4	46	<0.1	35.6	13.6	97	2.92	14.7	<0.5	9.2	4	<0.1	0.2	0.3	25	0.02	0.024	27
1110422	Soil	0.8	19.3	7.0	55	<0.1	15.7	6.6	127	2.79	12.1	1.7	11.7	8	<0.1	0.2	0.4	18	0.06	0.027	27
1110423	Soil	0.6	22.9	10.0	72	<0.1	54.6	22.4	164	3.04	5.6	0.6	8.0	6	<0.1	0.3	0.4	21	0.04	0.036	18
1110424 AML-STD	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1110425	Soil	0.5	26.2	10.0	60	<0.1	29.0	13.7	139	2.79	8.0	1.7	3.6	7	<0.1	0.2	0.4	23	0.04	0.038	24
1110426	Soil	0.7	19.6	9.7	48	0.1	20.9	8.9	103	2.22	4.7	<0.5	2.6	6	0.2	0.2	0.3	21	0.04	0.051	23
1110427	Soil	0.9	30.0	12.1	52	<0.1	33.1	13.1	133	2.95	27.3	0.9	3.4	14	0.1	0.3	0.7	24	0.05	0.057	27
1110428	Soil	0.6	39.5	8.9	48	<0.1	33.2	16.2	108	3.40	6.5	<0.5	6.9	8	<0.1	0.3	0.5	20	0.02	0.047	32
1110429	Soil	0.8	34.4	10.9	59	0.1	18.9	7.5	146	3.33	5.1	<0.5	3.4	17	<0.1	0.2	0.5	19	0.03	0.085	32
1110430	Soil	1.2	14.3	14.4	68	0.1	19.8	6.9	217	2.53	10.7	1.5	5.4	4	0.2	1.3	0.3	25	0.03	0.048	17
1110431	Soil	1.1	12.6	12.6	64	0.1	23.5	8.2	268	2.25	10.2	0.7	4.3	6	0.1	0.8	0.2	27	0.06	0.047	17
1110432	Soil	1.2	7.8	13.5	66	0.1	14.3	5.1	208	2.48	8.9	0.7	4.5	5	0.1	0.7	0.2	33	0.03	0.043	16
1110433	Soil	1.0	9.7	11.9	56	0.2	13.0	5.6	260	2.50	8.7	<0.5	4.5	5	<0.1	0.7	0.2	33	0.03	0.049	18
1110434	Soil	1.1	13.3	14.8	64	<0.1	19.1	6.8	271	2.40	10.9	3.0	5.9	5	0.1	1.0	0.3	27	0.03	0.042	21
1110435	Soil	1.1	14.5	16.8	66	<0.1	18.8	7.8	295	2.55	10.8	<0.5	5.6	5	0.2	1.2	0.3	31	0.03	0.038	19
1110436	Soil	1.0	26.2	19.6	71	<0.1	22.9	8.2	328	2.97	12.5	13.5	4.0	6	<0.1	2.1	0.3	20	0.03	0.045	21
1110437	Soil	0.9	26.6	19.2	66	<0.1	23.2	9.0	478	2.91	11.7	0.8	3.7	6	0.1	2.1	0.3	19	0.04	0.049	23



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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
1110408	Soil	22	0.37	75	0.008	<1	1.32	0.003	0.04	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1110409	Soil	33	0.65	69	0.004	1	1.58	0.003	0.04	0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1110410	Soil	19	0.34	122	0.008	<1	1.10	0.005	0.04	0.2	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1110411	Soil	25	0.56	75	0.005	1	1.58	0.003	0.06	0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
1110412	Rock Pulp	28	0.47	73	0.077	3	0.99	0.050	0.06	8.4	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1110413	Soil	19	0.41	65	0.005	<1	1.09	0.003	0.03	0.1	0.04	1.1	<0.1	<0.05	4	<0.5	<0.2
1110414	Soil	26	0.67	48	0.057	<1	1.54	0.010	0.33	0.1	0.02	1.6	0.3	<0.05	5	<0.5	<0.2
1110415	Soil	27	0.74	38	0.034	<1	1.68	0.006	0.17	0.2	0.02	1.5	0.2	<0.05	5	<0.5	<0.2
1110416	Soil	28	0.73	38	0.036	<1	1.83	0.006	0.12	<0.1	0.02	1.5	0.2	<0.05	6	<0.5	<0.2
1110417	Soil	29	0.76	86	0.041	1	2.40	0.010	0.10	0.1	0.04	1.9	0.3	<0.05	5	<0.5	<0.2
1110418	Soil	26	0.77	55	0.026	<1	1.92	0.010	0.09	0.1	<0.01	1.7	0.3	<0.05	6	<0.5	<0.2
1110419	Soil	29	1.02	93	0.086	<1	2.14	0.027	0.41	0.3	<0.01	2.5	0.4	<0.05	7	<0.5	<0.2
1110420	Soil	32	0.93	27	0.009	<1	2.05	0.009	0.04	0.1	0.03	1.6	<0.1	<0.05	6	<0.5	<0.2
1110421	Soil	24	0.67	35	0.026	<1	1.60	0.004	0.15	0.1	0.02	1.2	0.2	<0.05	5	<0.5	<0.2
1110422	Soil	22	0.68	56	0.037	<1	1.54	0.013	0.30	<0.1	<0.01	1.9	0.3	<0.05	5	<0.5	<0.2
1110423	Soil	22	0.55	52	0.030	<1	1.65	0.004	0.08	0.1	0.03	1.4	0.2	<0.05	5	<0.5	<0.2
1110424 AML-STD	Rock 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.
1110425	Soil	22	0.53	58	0.022	<1	1.69	0.005	0.09	0.1	0.02	1.3	0.2	<0.05	5	<0.5	<0.2
1110426	Soil	17	0.37	37	0.010	<1	1.25	0.006	0.06	0.1	0.03	0.6	0.1	<0.05	5	<0.5	<0.2
1110427	Soil	22	0.53	62	0.016	<1	1.72	0.012	0.09	0.1	0.02	1.2	0.2	<0.05	5	<0.5	<0.2
1110428	Soil	23	0.64	33	0.016	<1	1.64	0.007	0.07	<0.1	0.02	1.1	0.2	<0.05	5	<0.5	<0.2
1110429	Soil	24	0.58	47	0.010	<1	1.76	0.027	0.08	<0.1	0.07	0.8	0.2	0.13	5	<0.5	<0.2
1110430	Soil	19	0.36	70	0.008	<1	1.34	0.004	0.04	0.2	0.03	1.2	<0.1	<0.05	3	<0.5	<0.2
1110431	Soil	21	0.39	107	0.007	<1	1.29	0.003	0.04	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1110432	Soil	21	0.32	85	0.012	<1	1.38	0.003	0.04	0.3	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1110433	Soil	20	0.30	77	0.012	<1	1.28	0.004	0.04	0.2	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
1110434	Soil	20	0.37	72	0.008	<1	1.27	0.003	0.04	0.2	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1110435	Soil	22	0.39	83	0.013	<1	1.37	0.003	0.04	0.2	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
1110436	Soil	17	0.42	88	0.003	<1	1.27	0.003	0.05	0.1	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
1110437	Soil	17	0.40	87	0.004	<1	1.24	0.004	0.05	0.2	0.04	1.0	<0.1	<0.05	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	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
1110438	Soil	1.0	20.6	17.7	66	0.1	26.5	10.3	398	2.62	12.5	2.6	5.6	6	0.2	1.8	0.3	21	0.03	0.039	20
1110439	Soil	0.9	23.2	22.0	68	0.1	29.0	12.5	397	3.08	15.0	2.1	5.4	7	0.3	2.5	0.3	18	0.03	0.037	22
1110440	Soil	1.0	9.1	15.5	46	0.1	15.9	5.3	181	2.25	9.1	0.9	4.5	7	0.2	0.7	0.2	31	0.07	0.045	14
1110441	Soil	1.0	17.0	15.8	67	0.1	23.2	8.0	324	2.46	10.4	0.8	2.9	8	0.2	1.4	0.2	25	0.09	0.072	16
1110442	Soil	1.0	7.9	13.2	48	<0.1	14.2	5.5	236	2.11	8.2	<0.5	1.4	7	0.1	0.7	0.2	32	0.06	0.053	15
1110443	Soil	0.8	25.6	20.4	63	0.1	23.8	11.9	515	2.74	15.6	0.7	5.8	8	0.1	5.1	0.3	14	0.04	0.041	21
1110444	Soil	0.9	10.1	12.9	45	<0.1	13.7	5.4	222	2.05	7.8	<0.5	0.5	6	0.2	0.8	0.3	30	0.05	0.053	15
1110445	Soil	1.0	20.7	18.3	68	<0.1	23.1	8.0	301	2.29	10.9	1.5	2.2	11	0.1	1.6	0.3	24	0.09	0.063	17
1110446	Soil	0.8	21.3	21.3	61	<0.1	24.5	9.5	387	2.32	15.3	0.5	4.0	17	<0.1	2.6	0.3	20	0.12	0.058	21
1110447	Soil	1.1	21.7	26.2	44	<0.1	16.5	7.7	252	2.41	14.1	1.2	2.2	16	0.1	3.8	0.4	14	0.03	0.051	19
1110448 AML-STD	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1110449	Soil	1.1	20.8	18.2	50	<0.1	17.7	8.1	230	2.54	10.1	0.9	1.2	8	<0.1	2.6	0.3	17	0.03	0.047	16
1110450	Soil	1.0	9.4	15.4	47	<0.1	12.3	4.8	222	2.30	8.5	<0.5	0.7	6	<0.1	1.2	0.3	28	0.03	0.050	15
1110451	Soil	0.7	21.3	15.2	67	0.1	23.2	8.8	308	2.28	10.2	<0.5	7.5	8	0.2	0.8	0.2	21	0.08	0.050	31
1110452	Soil	1.0	10.7	12.2	63	0.1	17.3	5.6	200	2.15	9.0	1.6	6.0	5	0.2	0.6	0.2	28	0.04	0.044	20
1110453	Soil	0.6	14.0	10.5	55	<0.1	17.7	6.3	201	1.87	6.3	1.1	6.8	7	<0.1	0.4	0.2	19	0.07	0.044	27
1110454	Soil	0.8	17.4	12.6	88	0.3	22.9	6.6	255	2.01	6.6	1.0	1.3	27	0.3	0.5	0.3	31	0.43	0.082	19
1110455	Soil	1.2	6.4	13.1	43	0.1	12.7	3.8	122	2.17	8.3	<0.5	5.2	4	<0.1	0.4	0.2	39	0.03	0.028	18
1110456	Soil	0.6	14.7	13.5	55	<0.1	17.4	6.8	271	2.01	5.9	1.2	3.3	13	<0.1	0.4	0.2	22	0.16	0.040	20
1110457	Soil	0.6	14.9	14.2	71	<0.1	17.6	8.2	304	2.18	6.4	<0.5	8.0	12	0.3	0.7	0.3	35	0.17	0.054	25
1110458	Soil	1.2	8.2	13.5	56	<0.1	17.6	4.7	150	2.15	8.8	2.2	4.5	5	0.1	0.4	0.2	31	0.04	0.044	18
1110459	Soil	0.5	23.3	10.5	65	<0.1	25.2	10.3	215	3.06	14.3	1.5	11.0	5	0.1	0.6	0.3	22	0.02	0.023	26
1110460	Rock Pulp	3.9	19.7	2.8	32	0.2	18.9	6.7	278	1.65	3.5	2.0	0.9	26	0.1	0.3	<0.1	42	0.58	0.042	5
1110461	Soil	0.5	25.1	12.1	67	0.1	24.2	10.6	304	3.17	16.8	1.5	5.9	5	0.1	0.7	0.3	24	0.02	0.036	27
1110462	Soil	0.8	19.7	11.1	64	<0.1	16.8	8.8	255	3.00	10.2	1.1	4.0	5	<0.1	0.4	0.3	27	0.02	0.040	20
1110463	Soil	0.6	33.9	11.1	78	<0.1	36.6	18.1	350	3.41	20.2	3.1	12.1	11	0.2	1.0	0.4	23	0.16	0.045	36
1110464	Soil	0.9	19.3	11.3	42	<0.1	12.9	5.0	176	2.23	7.3	0.5	2.1	5	0.1	0.4	0.3	30	0.03	0.034	19
1110465	Soil	0.5	34.6	25.8	107	<0.1	63.7	30.5	1665	4.20	8.2	2.7	9.8	22	0.2	0.4	0.4	30	0.16	0.035	23
1110466	Soil	0.6	16.5	10.4	52	<0.1	18.0	8.1	183	2.88	9.9	1.1	3.9	5	0.1	0.4	0.3	23	0.04	0.038	22
1110467	Soil	0.4	24.9	10.1	62	<0.1	27.5	12.2	184	3.22	25.6	0.9	8.0	5	<0.1	0.4	0.2	20	0.05	0.031	25



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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
1110438	Soil	19	0.44	81	0.006	<1	1.37	0.003	0.05	0.2	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
1110439	Soil	19	0.50	70	0.005	<1	1.53	0.004	0.05	0.1	0.04	1.0	<0.1	<0.05	4	0.6	<0.2
1110440	Soil	20	0.34	78	0.009	<1	1.25	0.003	0.03	0.3	0.03	1.2	0.1	<0.05	4	<0.5	<0.2
1110441	Soil	20	0.41	104	0.005	<1	1.28	0.003	0.04	0.2	0.02	1.0	0.1	<0.05	3	<0.5	<0.2
1110442	Soil	20	0.33	85	0.008	<1	1.28	0.003	0.03	0.2	0.02	0.8	0.1	<0.05	4	<0.5	<0.2
1110443	Soil	12	0.26	71	0.003	<1	0.77	0.003	0.03	0.2	0.02	1.2	<0.1	<0.05	2	<0.5	<0.2
1110444	Soil	19	0.29	85	0.008	1	1.27	0.003	0.03	0.2	0.02	0.5	0.1	0.06	4	<0.5	<0.2
1110445	Soil	19	0.40	94	0.008	1	1.20	0.003	0.04	0.2	0.02	1.0	<0.1	<0.05	3	0.6	<0.2
1110446	Soil	17	0.31	101	0.010	2	0.86	0.003	0.05	0.2	0.04	1.5	<0.1	<0.05	3	<0.5	<0.2
1110447	Soil	13	0.17	41	0.006	<1	0.63	0.002	0.04	0.1	0.02	0.6	<0.1	<0.05	2	0.5	<0.2
1110448 AML-STD	Rock 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.
1110449	Soil	14	0.25	44	0.005	<1	0.83	0.003	0.04	0.1	0.02	0.5	<0.1	<0.05	3	<0.5	<0.2
1110450	Soil	18	0.26	56	0.008	<1	1.15	0.003	0.04	0.2	0.02	0.5	<0.1	<0.05	4	<0.5	<0.2
1110451	Soil	19	0.40	132	0.012	1	1.30	0.004	0.06	0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1110452	Soil	22	0.34	87	0.016	1	1.42	0.003	0.04	0.2	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1110453	Soil	18	0.35	92	0.011	<1	1.14	0.004	0.04	<0.1	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1110454	Soil	23	0.33	346	0.013	1	1.49	0.008	0.07	0.1	0.06	1.7	<0.1	<0.05	4	<0.5	<0.2
1110455	Soil	25	0.28	81	0.025	<1	1.53	0.003	0.04	0.2	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
1110456	Soil	17	0.33	118	0.009	2	1.10	0.005	0.07	0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
1110457	Soil	20	0.42	134	0.041	2	1.32	0.010	0.10	0.2	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1110458	Soil	20	0.33	70	0.014	<1	1.25	0.004	0.05	0.2	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1110459	Soil	21	0.62	54	0.013	<1	1.72	0.004	0.04	0.2	0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
1110460	Rock Pulp	28	0.43	70	0.098	2	0.93	0.043	0.05	8.5	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1110461	Soil	21	0.57	59	0.015	<1	1.67	0.003	0.05	0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
1110462	Soil	21	0.47	52	0.013	<1	1.46	0.004	0.04	0.2	0.02	1.2	0.1	<0.05	5	<0.5	<0.2
1110463	Soil	23	0.70	78	0.020	<1	1.61	0.006	0.07	0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
1110464	Soil	18	0.30	52	0.014	<1	1.31	0.003	0.03	0.3	0.03	1.0	0.1	<0.05	5	<0.5	<0.2
1110465	Soil	30	1.04	150	0.132	<1	3.07	0.028	0.77	0.2	0.02	3.6	0.4	<0.05	9	<0.5	<0.2
1110466	Soil	21	0.53	49	0.026	<1	1.50	0.003	0.07	0.2	0.02	1.2	0.1	<0.05	5	<0.5	<0.2
1110467	Soil	23	0.60	42	0.022	<1	1.60	0.004	0.08	<0.1	0.01	1.8	0.2	<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	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
1110468	Soil	0.8	22.8	11.1	60	<0.1	26.6	9.2	160	2.68	15.4	1.9	2.9	5	<0.1	0.6	0.4	28	0.04	0.031	17
1110469	Soil	0.3	30.1	9.4	58	<0.1	32.8	15.9	204	3.31	12.2	0.7	6.7	10	0.2	0.2	0.5	25	0.07	0.036	27
1110470	Soil	0.5	24.5	12.1	48	0.2	36.6	13.8	167	3.24	16.5	0.8	5.8	4	<0.1	0.5	0.4	26	0.02	0.028	18
1110471	Soil	0.6	34.9	11.7	83	<0.1	83.3	30.6	194	3.34	20.8	3.9	10.1	6	0.1	0.4	0.4	29	0.04	0.034	39
1110472	Soil	0.3	23.7	36.4	95	<0.1	27.9	11.5	282	3.24	23.2	1.7	7.4	11	<0.1	0.8	0.4	28	0.10	0.028	21
1110473	Soil	0.3	24.4	35.0	97	<0.1	28.5	13.1	362	3.36	24.4	2.4	7.8	11	0.2	0.8	0.4	28	0.11	0.031	22
1110474	Soil	0.6	29.5	10.4	64	<0.1	31.4	14.0	178	3.24	15.0	1.9	4.7	6	<0.1	0.7	0.3	29	0.04	0.031	28
1110475	Soil	0.3	35.6	11.2	67	<0.1	59.7	24.5	229	3.61	30.7	1.6	8.6	7	<0.1	0.4	0.3	26	0.04	0.023	25
1110476	Soil	0.3	30.1	8.1	49	<0.1	53.7	29.5	159	3.04	51.4	1.8	11.6	5	<0.1	0.4	0.5	26	0.05	0.032	34
1110477	Soil	0.3	30.8	10.9	57	<0.1	31.5	16.2	200	3.21	32.7	2.0	9.9	9	<0.1	0.5	0.3	24	0.05	0.022	28
1110478	Soil	0.3	26.2	13.5	57	<0.1	29.2	14.8	181	3.14	30.1	0.7	8.5	7	<0.1	0.5	0.3	25	0.04	0.024	26
1110479	Soil	0.5	26.4	9.7	52	<0.1	31.2	15.0	196	3.12	23.0	2.6	9.4	6	<0.1	0.6	0.3	25	0.06	0.024	28
1110480	Soil	0.6	37.5	11.4	51	<0.1	25.0	13.9	190	3.56	28.0	<0.5	9.2	12	<0.1	0.5	0.4	19	0.03	0.058	33
1110481	Soil	0.4	23.1	9.8	53	<0.1	24.0	12.1	210	2.88	38.5	0.9	5.4	7	<0.1	0.5	0.4	26	0.03	0.038	22
1110482	Soil	0.4	42.5	8.7	67	<0.1	52.7	23.2	197	3.32	22.1	1.4	10.7	10	<0.1	0.4	0.4	23	0.05	0.047	35
1110483	Soil	0.3	28.5	7.4	47	<0.1	30.1	15.2	200	2.97	17.6	1.2	8.3	9	<0.1	0.3	0.3	28	0.06	0.028	21
1110484 AML-STD	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1110485	Soil	0.5	24.6	9.9	47	<0.1	28.7	13.9	183	3.18	20.6	0.8	9.5	12	<0.1	0.5	0.3	30	0.07	0.026	23
1110486	Soil	0.5	49.6	11.7	52	<0.1	61.5	34.0	270	3.60	10.3	1.1	9.4	13	<0.1	0.2	0.5	30	0.10	0.045	34
1110487	Soil	0.4	25.0	9.5	60	<0.1	33.3	17.2	293	3.27	8.0	1.0	5.3	12	0.1	0.2	0.4	32	0.26	0.047	20
1110488	Soil	0.6	24.9	8.2	51	0.1	30.3	14.5	203	3.30	12.2	1.6	5.5	8	<0.1	0.2	0.4	33	0.04	0.026	15
1110489	Soil	0.3	12.7	4.8	58	<0.1	27.3	10.7	217	2.67	3.0	<0.5	3.1	3	<0.1	0.2	0.2	30	0.02	0.020	16
1110490	Soil	0.4	32.1	7.1	47	<0.1	34.7	13.6	188	2.77	6.4	<0.5	5.7	5	<0.1	0.2	0.3	33	0.05	0.026	18
1110491	Soil	0.3	34.5	14.0	58	0.1	49.9	19.6	411	4.34	22.5	1.3	10.8	25	<0.1	0.5	0.4	40	0.12	0.040	19
1110492	Soil	0.2	45.7	20.3	109	<0.1	51.0	22.7	667	5.09	24.3	3.0	13.3	74	0.1	0.3	0.4	53	0.65	0.047	19
1110493	Soil	0.8	15.0	11.1	38	<0.1	17.7	6.8	122	2.31	11.7	3.0	4.5	13	<0.1	0.5	0.3	31	0.04	0.028	18
1110494	Soil	0.3	23.1	24.6	97	0.1	35.0	16.8	837	4.36	27.6	1.2	8.2	108	0.1	1.3	0.4	50	1.30	0.082	15
1110495	Soil	0.3	34.6	7.8	43	<0.1	35.2	16.3	213	3.06	62.4	4.4	9.5	9	<0.1	0.5	0.3	32	0.06	0.019	21
1110496	Rock Pulp	3.7	20.2	2.3	32	0.2	19.6	6.8	282	1.73	4.7	<0.5	0.9	26	0.2	0.2	<0.1	46	0.59	0.044	4
1110497	Soil	0.6	26.5	11.1	57	<0.1	26.7	11.5	222	3.22	12.4	0.7	6.5	13	0.1	0.5	0.4	37	0.05	0.038	17



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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
1110468	Soil	21	0.40	42	0.023	<1	1.41	0.003	0.05	0.2	0.03	1.3	0.2	<0.05	5	<0.5	<0.2
1110469	Soil	29	0.77	70	0.057	<1	1.98	0.012	0.20	0.3	0.02	1.9	0.3	0.05	5	<0.5	<0.2
1110470	Soil	24	0.53	44	0.026	<1	1.66	0.003	0.07	0.2	0.04	1.5	0.2	<0.05	5	0.6	<0.2
1110471	Soil	34	0.71	63	0.041	<1	2.16	0.005	0.19	0.2	0.01	2.1	0.3	<0.05	6	<0.5	<0.2
1110472	Soil	29	1.17	83	0.064	<1	2.50	0.005	0.24	0.3	0.01	2.6	0.3	<0.05	7	<0.5	<0.2
1110473	Soil	31	1.23	91	0.073	<1	2.77	0.006	0.27	0.3	<0.01	2.6	0.4	<0.05	8	<0.5	<0.2
1110474	Soil	29	0.68	50	0.034	<1	1.76	0.004	0.11	0.3	0.02	1.8	0.2	<0.05	6	<0.5	<0.2
1110475	Soil	30	0.94	46	0.053	<1	2.17	0.006	0.20	0.1	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
1110476	Soil	32	0.77	49	0.023	<1	1.87	0.003	0.09	<0.1	<0.01	1.5	0.2	<0.05	5	<0.5	<0.2
1110477	Soil	28	0.84	59	0.052	<1	1.99	0.005	0.13	0.2	<0.01	2.0	0.3	<0.05	6	<0.5	<0.2
1110478	Soil	28	0.82	57	0.054	<1	1.98	0.005	0.14	0.2	<0.01	1.9	0.3	<0.05	6	<0.5	<0.2
1110479	Soil	26	0.77	62	0.044	<1	1.84	0.005	0.10	0.2	0.01	2.0	0.3	<0.05	5	<0.5	<0.2
1110480	Soil	24	0.61	37	0.016	<1	1.57	0.009	0.05	0.1	0.03	1.3	0.1	<0.05	5	<0.5	<0.2
1110481	Soil	25	0.68	47	0.026	1	1.59	0.006	0.08	0.2	0.04	1.3	0.2	<0.05	5	<0.5	<0.2
1110482	Soil	25	0.76	46	0.025	1	1.84	0.010	0.12	0.1	<0.01	1.8	0.2	<0.05	5	<0.5	<0.2
1110483	Soil	29	0.78	55	0.054	<1	1.80	0.012	0.19	0.1	0.01	1.9	0.3	<0.05	5	<0.5	<0.2
1110484 AML-STD	Rock 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.
1110485	Soil	29	0.77	79	0.066	1	1.99	0.012	0.24	0.2	0.01	2.1	0.3	<0.05	6	<0.5	<0.2
1110486	Soil	34	0.90	52	0.044	1	2.14	0.016	0.15	0.2	0.01	2.0	0.3	0.07	6	<0.5	<0.2
1110487	Soil	33	0.79	56	0.047	1	1.94	0.010	0.12	<0.1	0.02	2.1	0.3	0.08	6	<0.5	<0.2
1110488	Soil	32	0.86	43	0.061	1	2.02	0.008	0.16	0.1	0.02	2.0	0.2	<0.05	6	<0.5	<0.2
1110489	Soil	29	0.72	22	0.029	1	1.48	0.003	0.08	<0.1	0.01	1.2	0.2	<0.05	6	<0.5	<0.2
1110490	Soil	32	0.76	53	0.054	<1	1.82	0.006	0.17	0.1	<0.01	2.0	0.3	<0.05	6	<0.5	<0.2
1110491	Soil	39	1.01	131	0.137	<1	3.76	0.020	0.89	<0.1	0.02	4.0	0.7	0.08	10	<0.5	<0.2
1110492	Soil	53	1.39	174	0.165	1	4.56	0.064	0.84	0.2	0.01	7.3	0.8	<0.05	14	<0.5	<0.2
1110493	Soil	20	0.39	70	0.024	1	1.47	0.009	0.10	0.2	0.02	1.4	0.2	0.12	5	<0.5	<0.2
1110494	Soil	48	0.94	105	0.146	1	4.19	0.170	0.09	0.1	0.02	5.1	0.2	0.09	10	<0.5	<0.2
1110495	Soil	30	0.96	73	0.079	<1	2.13	0.013	0.44	0.2	0.01	2.6	0.4	0.09	6	<0.5	<0.2
1110496	Rock Pulp	30	0.46	69	0.091	3	0.96	0.049	0.06	7.4	0.02	2.7	<0.1	0.09	4	<0.5	<0.2
1110497	Soil	31	0.66	77	0.073	1	1.94	0.018	0.39	0.1	0.05	2.2	0.4	0.15	7	<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	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
1110498	Soil		0.7	19.0	10.2	46	<0.1	19.5	8.0	123	2.68	17.6	1.2	3.7	10	<0.1	0.5	0.3	39	0.07	0.045	16
1110499	Soil		0.2	28.2	4.7	18	<0.1	30.9	15.1	79	2.75	9.7	0.8	8.5	6	<0.1	0.2	0.3	32	0.05	0.025	22
1110500	Soil		0.5	20.7	7.5	23	<0.1	21.8	9.5	79	2.88	8.8	<0.5	5.7	5	<0.1	0.3	0.3	40	0.02	0.025	19
1110901	Soil		0.9	9.4	11.8	39	<0.1	12.8	5.3	147	2.30	9.8	1.0	3.3	5	<0.1	0.5	0.3	33	0.03	0.035	16
1110902	Soil		0.4	8.6	7.0	22	<0.1	8.2	3.6	79	1.71	10.0	<0.5	5.3	5	<0.1	0.2	0.2	26	0.02	0.031	10
1110903	Soil		0.5	16.9	8.0	41	<0.1	19.3	8.8	115	2.68	21.3	0.6	7.7	7	<0.1	0.3	0.3	30	0.03	0.027	16
1110904	Soil		0.3	7.9	9.6	53	<0.1	14.6	5.1	218	2.43	26.9	<0.5	6.1	6	<0.1	0.1	0.3	29	0.03	0.028	14
1110905	Soil		0.2	11.7	14.6	24	0.1	19.7	10.4	778	2.99	220.6	2.6	6.6	102	<0.1	0.7	0.3	26	7.90	0.051	15
1110906	Soil		0.3	25.6	11.2	41	<0.1	47.9	22.6	184	3.53	284.1	7.9	12.4	13	<0.1	0.6	0.4	36	0.14	0.019	22
1110907	Soil		0.3	10.4	5.8	21	<0.1	10.1	5.1	144	1.59	57.4	1.8	1.6	10	<0.1	0.3	0.2	22	0.08	0.040	14
1110908	Soil		0.3	21.5	8.2	46	<0.1	29.0	14.9	208	3.14	324.2	12.5	13.3	13	<0.1	0.6	0.3	30	0.05	0.036	34
1110909	Soil		0.4	13.2	7.1	41	<0.1	23.8	10.7	216	2.61	142.5	2.3	5.8	6	<0.1	0.4	0.2	31	0.04	0.039	19
1110910	Soil		0.2	17.3	8.5	43	<0.1	22.8	11.6	182	2.92	436.9	10.0	12.5	12	<0.1	0.8	0.2	25	0.04	0.029	30
1110911	Soil		0.3	16.3	9.0	44	<0.1	28.2	15.1	213	2.66	206.0	2.7	13.9	8	<0.1	0.5	0.2	22	0.03	0.020	32
1110912 AML-STD	Rock 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.	
1110913	Soil		0.1	28.2	13.8	49	<0.1	32.1	16.4	314	3.23	3.3	<0.5	11.6	89	<0.1	<0.1	0.3	47	2.69	0.031	20
1110914	Soil		0.3	13.5	21.1	52	<0.1	25.0	11.1	318	2.80	5.1	0.7	7.1	49	<0.1	0.1	0.2	47	0.54	0.027	18
1110915	Soil		0.3	31.6	8.0	19	<0.1	42.8	18.2	61	2.86	5.8	<0.5	9.9	4	<0.1	<0.1	0.3	43	0.02	0.016	20
1110916	Soil		0.4	23.9	8.7	35	<0.1	43.7	20.0	301	3.27	13.1	0.7	9.5	9	<0.1	0.1	0.4	42	0.10	0.012	16
1110917	Soil		0.3	22.3	11.7	45	<0.1	30.2	13.4	252	2.79	12.3	1.9	8.5	12	<0.1	0.2	0.3	36	0.18	0.028	20
1110918	Soil		0.4	32.0	11.1	46	<0.1	43.8	17.1	152	3.20	16.7	1.8	10.3	8	<0.1	0.3	0.4	36	0.03	0.018	27
1110919	Soil		0.3	37.6	8.5	37	<0.1	38.6	16.6	177	3.62	14.4	1.6	10.5	16	<0.1	0.2	0.3	40	0.12	0.014	30
1110920	Soil		0.6	23.1	9.9	30	<0.1	24.9	11.7	131	2.56	14.6	1.9	5.9	8	0.1	0.3	0.3	33	0.07	0.033	22
1110921	Soil		0.4	29.6	10.3	45	<0.1	31.4	14.4	174	2.83	20.0	2.6	8.5	15	<0.1	0.4	0.3	30	0.09	0.029	21
1110922	Soil		0.3	31.3	10.3	50	<0.1	36.3	16.3	216	3.20	9.2	1.3	9.3	18	<0.1	0.2	0.4	33	0.11	0.031	22
1110923	Soil		0.3	34.6	10.5	46	<0.1	41.0	16.7	246	2.98	10.1	0.9	11.2	21	<0.1	0.2	0.4	34	0.18	0.035	24
1110924	Rock Pulp		2.9	21.4	2.3	32	0.4	18.7	7.6	275	1.67	5.9	0.7	0.8	29	0.2	0.3	<0.1	46	0.64	0.041	4
1110925	Soil		0.4	22.9	14.4	49	<0.1	26.3	12.5	181	3.11	302.8	3.7	9.3	16	<0.1	1.7	0.4	28	0.09	0.026	23
1110926	Soil		0.2	4.0	5.8	13	<0.1	4.8	2.2	564	2.68	9.0	0.6	2.1	308	0.1	2.2	0.1	2	16.25	0.025	5
1110927	Soil		0.6	18.7	11.8	43	<0.1	23.2	9.3	163	2.59	21.6	1.4	5.2	6	<0.1	0.9	0.3	33	0.08	0.024	21



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Client:

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Suite 350 - 580 Hornby St.
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Project:

TINA

Report Date:

December 13, 2011

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CERTIFICATE OF ANALYSIS

WHI11001859.1

	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
1110498	Soil	30	0.52	88	0.064	1	1.65	0.011	0.26	0.2	0.03	2.2	0.3	0.10	6	<0.5	<0.2
1110499	Soil	29	0.80	51	0.068	<1	1.63	0.010	0.37	<0.1	<0.01	2.2	0.4	<0.05	5	<0.5	<0.2
1110500	Soil	26	0.54	38	0.064	1	1.58	0.006	0.16	0.1	0.02	1.7	0.2	0.09	5	<0.5	<0.2
1110901	Soil	22	0.31	48	0.024	<1	1.19	0.005	0.05	0.2	0.04	1.3	0.2	0.08	5	<0.5	<0.2
1110902	Soil	16	0.23	50	0.090	<1	0.67	0.005	0.17	0.1	0.02	1.1	0.2	<0.05	5	<0.5	<0.2
1110903	Soil	29	0.57	74	0.103	<1	1.57	0.008	0.27	0.2	0.04	2.0	0.3	0.07	5	<0.5	<0.2
1110904	Soil	26	0.42	68	0.107	<1	1.25	0.006	0.41	<0.1	0.02	2.1	0.3	0.06	6	<0.5	<0.2
1110905	Soil	27	5.37	189	0.081	<1	1.74	0.019	0.30	0.4	0.01	2.5	0.3	0.09	5	<0.5	<0.2
1110906	Soil	35	0.88	115	0.131	<1	2.61	0.017	0.43	0.7	<0.01	2.5	0.4	<0.05	6	<0.5	<0.2
1110907	Soil	15	0.27	59	0.040	<1	1.05	0.017	0.11	<0.1	0.03	1.0	0.1	0.06	4	<0.5	<0.2
1110908	Soil	31	0.61	77	0.087	<1	1.93	0.012	0.43	0.1	<0.01	2.7	0.4	0.09	5	<0.5	<0.2
1110909	Soil	26	0.50	62	0.073	<1	1.43	0.006	0.23	<0.1	0.02	1.7	0.2	<0.05	5	<0.5	<0.2
1110910	Soil	27	0.62	87	0.098	<1	1.63	0.011	0.50	0.1	<0.01	2.0	0.4	<0.05	5	<0.5	<0.2
1110911	Soil	25	0.54	74	0.095	<1	1.48	0.011	0.47	<0.1	0.01	1.9	0.4	0.07	4	<0.5	<0.2
1110912 AML-STD	Rock 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.
1110913	Soil	44	1.16	94	0.161	<1	2.73	0.136	0.44	0.1	<0.01	5.0	0.5	<0.05	8	<0.5	<0.2
1110914	Soil	41	0.94	74	0.112	<1	2.51	0.048	0.11	0.1	0.02	3.2	0.2	<0.05	7	<0.5	<0.2
1110915	Soil	39	0.78	69	0.098	<1	1.80	0.015	0.56	<0.1	<0.01	2.7	0.5	<0.05	4	<0.5	<0.2
1110916	Soil	41	1.04	85	0.129	<1	2.70	0.014	0.53	0.1	0.01	3.9	0.3	<0.05	7	0.6	<0.2
1110917	Soil	33	0.75	92	0.094	<1	2.15	0.021	0.29	0.2	0.02	2.8	0.3	<0.05	6	<0.5	<0.2
1110918	Soil	33	0.75	58	0.074	<1	2.18	0.008	0.33	0.1	0.02	2.5	0.4	<0.05	5	<0.5	<0.2
1110919	Soil	37	0.97	68	0.119	<1	2.56	0.018	0.46	0.1	0.01	3.2	0.4	0.06	7	<0.5	<0.2
1110920	Soil	24	0.51	85	0.059	<1	1.60	0.009	0.26	0.1	0.02	2.0	0.2	<0.05	5	<0.5	<0.2
1110921	Soil	27	0.67	82	0.073	<1	2.26	0.017	0.28	0.1	0.01	2.5	0.3	0.07	5	<0.5	<0.2
1110922	Soil	32	0.74	78	0.097	<1	2.22	0.019	0.41	<0.1	0.03	3.0	0.4	0.10	6	<0.5	<0.2
1110923	Soil	32	0.75	79	0.116	<1	2.49	0.027	0.29	<0.1	<0.01	2.9	0.4	0.09	6	<0.5	<0.2
1110924	Rock Pulp	26	0.46	71	0.095	5	1.00	0.060	0.07	11.6	0.02	2.6	<0.1	0.11	4	<0.5	<0.2
1110925	Soil	25	0.59	84	0.062	<1	1.98	0.016	0.30	0.1	0.02	2.0	0.3	0.09	5	<0.5	<0.2
1110926	Soil	4	2.12	23	0.026	<1	0.47	0.002	0.01	<0.1	<0.01	0.6	<0.1	<0.05	<1	0.7	<0.2
1110927	Soil	26	0.52	71	0.062	<1	1.74	0.007	0.20	0.2	0.02	1.8	0.3	0.09	6	<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	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
1110928	Soil	0.7	30.5	16.2	50	<0.1	28.3	12.4	245	2.85	18.1	4.5	7.1	13	<0.1	0.6	0.3	35	0.08	0.033
1110929	Soil	0.5	23.8	14.8	51	<0.1	34.8	19.0	465	3.38	22.5	1.3	9.0	12	<0.1	0.9	0.5	33	0.13	0.039
1110930	Soil	0.4	26.1	11.1	43	<0.1	30.9	14.5	189	2.98	20.0	2.2	9.0	10	<0.1	0.4	0.4	33	0.07	0.022
1110931	Soil	0.3	33.3	9.1	58	<0.1	45.7	18.7	146	3.03	42.4	1.3	10.8	4	<0.1	0.2	0.4	31	0.02	0.018
1110932	Soil	0.4	12.6	11.5	47	<0.1	20.9	9.9	198	2.52	64.3	2.4	9.6	8	<0.1	0.5	0.3	27	0.07	0.032
1110933	Soil	0.2	14.4	10.9	50	<0.1	22.2	10.8	185	2.78	60.6	2.2	10.1	7	<0.1	0.6	0.2	25	0.02	0.020
1110934	Soil	0.2	15.0	8.0	46	<0.1	19.4	11.0	181	2.57	71.1	4.2	10.6	8	<0.1	0.4	0.2	20	0.02	0.019
1110935	Soil	0.7	12.3	12.2	53	<0.1	17.7	8.4	218	2.51	18.4	3.0	3.3	7	<0.1	0.6	0.3	30	0.06	0.031
1110936	Soil	0.5	10.2	9.9	37	<0.1	16.1	7.2	132	2.30	26.9	1.4	7.6	5	0.1	0.3	0.3	25	0.03	0.025
1110937	Soil	0.4	11.0	9.8	40	<0.1	18.7	9.9	158	2.35	31.1	1.6	8.4	5	0.1	0.3	0.2	22	0.04	0.029
1110938	Soil	0.3	14.8	10.7	44	<0.1	23.3	11.8	146	2.63	43.3	3.7	9.4	7	<0.1	0.3	0.2	22	0.04	0.029
1110939	Soil	0.3	13.9	8.4	44	<0.1	19.5	11.4	168	2.43	17.5	1.2	8.5	5	<0.1	0.2	0.2	20	0.02	0.024
1110940	Soil	0.3	10.1	9.6	44	<0.1	19.0	8.4	153	2.39	13.7	1.7	7.9	4	<0.1	0.3	0.2	24	0.03	0.025
1110941	Soil	0.3	19.6	7.7	48	<0.1	27.1	14.4	130	2.96	8.6	0.8	11.4	5	<0.1	0.2	0.3	24	0.03	0.025
1110942	Soil	0.3	13.1	7.7	40	<0.1	18.2	8.3	112	2.56	10.3	0.7	6.6	5	<0.1	0.2	0.2	21	0.03	0.022
1110943	Soil	0.3	21.8	6.5	49	<0.1	25.6	14.6	142	2.85	9.4	1.0	11.9	6	<0.1	0.2	0.3	22	0.06	0.039
1110944	Soil	0.6	13.9	10.8	40	<0.1	15.9	6.7	85	2.30	5.5	<0.5	6.3	8	<0.1	0.2	0.3	26	0.02	0.027
1110945	Soil	0.3	11.1	10.3	32	<0.1	14.1	7.1	144	2.10	8.5	<0.5	7.2	4	<0.1	0.1	0.2	17	0.02	0.028
1110946	Soil	0.4	14.6	8.2	49	<0.1	20.3	9.0	143	2.57	14.7	1.5	6.4	4	<0.1	0.2	0.3	24	0.02	0.021
1110947	Soil	0.5	32.5	8.7	75	<0.1	100.2	41.7	190	3.56	48.0	4.1	12.9	4	0.1	0.4	0.4	25	0.02	0.023



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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
1110928	Soil	30	0.64	72	0.061	<1	1.98	0.009	0.24	0.2	0.01	2.3	0.3	<0.05	6	<0.5	<0.2
1110929	Soil	28	0.67	81	0.088	<1	2.80	0.018	0.30	0.2	0.02	3.0	0.4	<0.05	6	<0.5	<0.2
1110930	Soil	31	0.72	74	0.089	<1	2.14	0.014	0.32	<0.1	<0.01	2.6	0.4	<0.05	5	<0.5	<0.2
1110931	Soil	31	0.69	75	0.116	<1	1.93	0.012	0.62	0.1	0.01	2.6	0.5	<0.05	5	<0.5	<0.2
1110932	Soil	25	0.45	84	0.093	<1	1.44	0.006	0.35	0.1	<0.01	1.9	0.3	0.06	5	<0.5	<0.2
1110933	Soil	29	0.55	63	0.108	<1	1.65	0.006	0.47	<0.1	0.01	2.0	0.3	0.05	5	<0.5	<0.2
1110934	Soil	25	0.51	63	0.101	<1	1.39	0.007	0.51	<0.1	<0.01	2.0	0.4	0.06	4	<0.5	<0.2
1110935	Soil	25	0.45	66	0.042	<1	1.52	0.005	0.13	0.2	0.01	1.5	0.2	0.05	5	<0.5	<0.2
1110936	Soil	22	0.36	59	0.071	<1	1.26	0.004	0.22	0.1	0.02	1.5	0.2	<0.05	5	<0.5	<0.2
1110937	Soil	21	0.40	63	0.069	<1	1.33	0.004	0.24	0.1	0.01	1.5	0.2	<0.05	4	<0.5	<0.2
1110938	Soil	23	0.46	65	0.083	<1	1.41	0.006	0.34	<0.1	<0.01	1.8	0.3	<0.05	4	<0.5	<0.2
1110939	Soil	24	0.44	61	0.098	<1	1.25	0.006	0.41	<0.1	<0.01	1.7	0.4	<0.05	4	<0.5	<0.2
1110940	Soil	24	0.40	60	0.081	<1	1.35	0.004	0.27	0.1	<0.01	1.8	0.3	<0.05	4	<0.5	<0.2
1110941	Soil	27	0.60	80	0.100	<1	1.89	0.006	0.35	<0.1	<0.01	1.9	0.4	<0.05	5	<0.5	<0.2
1110942	Soil	22	0.47	57	0.067	<1	1.44	0.005	0.22	0.1	0.02	1.4	0.2	<0.05	4	<0.5	<0.2
1110943	Soil	26	0.63	72	0.080	<1	1.60	0.009	0.38	<0.1	<0.01	1.7	0.4	0.07	4	<0.5	<0.2
1110944	Soil	23	0.38	54	0.051	<1	1.26	0.008	0.25	0.1	0.02	1.4	0.2	0.06	5	<0.5	<0.2
1110945	Soil	19	0.35	46	0.099	<1	1.13	0.003	0.24	<0.1	<0.01	1.0	0.2	<0.05	4	<0.5	<0.2
1110946	Soil	24	0.54	41	0.036	<1	1.46	0.010	0.09	0.2	0.01	1.4	0.2	<0.05	5	<0.5	<0.2
1110947	Soil	28	0.71	41	0.025	<1	1.93	0.005	0.10	<0.1	0.01	1.6	0.2	<0.05	5	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11001859.1

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
Pulp Duplicates																					
1109350	Soil	1.0	19.2	14.5	82	<0.1	27.8	9.4	367	2.74	19.3	2.9	6.0	9	0.3	1.4	0.2	28	0.09	0.058	25
REP 1109350	QC	1.0	18.4	13.9	77	<0.1	26.4	9.0	362	2.63	18.1	3.9	5.9	9	0.2	1.3	0.3	27	0.09	0.055	25
1109917	Soil	0.5	27.1	11.3	42	<0.1	33.3	14.6	207	3.07	5.9	3.8	5.6	8	<0.1	0.4	0.4	26	0.03	0.026	20
REP 1109917	QC	0.5	28.2	11.7	45	<0.1	35.7	14.9	222	3.20	6.7	6.4	5.8	9	<0.1	0.4	0.4	27	0.04	0.029	21
1109942	Soil	0.4	33.9	17.0	75	<0.1	33.1	15.4	353	3.57	16.1	1.6	10.2	8	<0.1	0.8	0.3	19	0.03	0.032	36
REP 1109942	QC	0.4	33.7	16.9	71	<0.1	32.3	14.8	336	3.50	15.6	2.0	10.7	8	<0.1	0.8	0.3	19	0.03	0.032	36
1109988	Soil	0.8	14.3	12.0	60	<0.1	19.2	6.2	249	2.06	6.1	1.4	6.7	8	0.1	0.6	0.2	27	0.08	0.055	31
REP 1109988	QC	1.0	14.0	12.2	60	<0.1	19.1	6.1	257	2.08	6.2	1.2	6.8	8	0.1	0.6	0.2	27	0.08	0.054	30
1110311	Soil	1.0	18.0	18.7	61	<0.1	21.9	7.0	210	2.80	8.9	0.8	7.5	4	0.1	1.9	0.2	19	0.02	0.027	25
REP 1110311	QC	0.9	17.7	19.0	58	<0.1	21.3	6.8	200	2.62	8.4	1.6	7.4	3	<0.1	1.7	0.2	19	0.02	0.027	24
1110329	Soil	0.8	38.1	63.4	71	0.9	29.5	11.3	620	3.80	173.9	7.2	8.3	13	0.2	12.3	1.3	13	0.14	0.056	23
REP 1110329	QC	0.9	38.0	63.8	70	0.9	29.0	10.8	592	3.72	177.5	8.8	7.7	13	0.1	12.6	1.3	12	0.14	0.053	24
1110344	Soil	1.4	26.9	28.4	87	0.2	27.1	10.5	908	2.88	23.9	1.5	1.8	61	1.0	1.6	0.4	27	1.04	0.088	9
REP 1110344	QC	1.3	27.6	29.0	90	0.2	28.7	10.9	916	3.02	24.0	1.8	1.9	62	1.0	1.7	0.4	28	1.05	0.087	10
1110370	Soil	1.2	18.9	17.5	59	<0.1	20.1	10.1	647	2.45	7.9	3.0	1.4	9	0.2	0.8	0.3	31	0.07	0.056	18
REP 1110370	QC	1.2	18.2	17.2	59	<0.1	20.0	10.3	655	2.49	7.8	0.9	1.5	9	0.2	0.8	0.3	32	0.07	0.056	18
1110385	Soil	0.8	15.3	26.1	71	<0.1	22.0	7.4	311	2.38	31.1	1.0	6.1	7	0.2	1.4	0.3	25	0.07	0.049	21
REP 1110385	QC	0.9	15.4	25.7	74	<0.1	21.6	7.5	305	2.37	31.2	1.3	5.6	7	0.2	1.5	0.3	25	0.08	0.052	21
1110391	Soil	0.7	29.8	27.8	68	0.1	25.5	8.4	272	3.89	23.5	1.2	7.7	6	0.1	2.5	0.4	16	0.04	0.042	17
REP 1110391	QC	0.6	30.3	27.8	69	0.1	25.5	8.5	272	3.93	23.6	0.9	7.8	6	0.1	2.7	0.4	16	0.04	0.044	19
1110416	Soil	0.3	20.3	5.9	39	<0.1	21.1	10.4	75	3.09	3.1	<0.5	8.1	8	<0.1	0.1	0.3	24	0.02	0.028	23
REP 1110416	QC	0.3	20.1	5.6	36	<0.1	21.0	10.1	77	3.11	2.7	<0.5	7.7	8	<0.1	0.1	0.3	24	0.02	0.026	22
1110430	Soil	1.2	14.3	14.4	68	0.1	19.8	6.9	217	2.53	10.7	1.5	5.4	4	0.2	1.3	0.3	25	0.03	0.048	17
REP 1110430	QC	1.1	14.3	13.5	67	<0.1	20.0	6.9	213	2.52	10.3	2.0	5.2	5	0.2	1.3	0.2	25	0.03	0.046	16
1110452	Soil	1.0	10.7	12.2	63	0.1	17.3	5.6	200	2.15	9.0	1.6	6.0	5	0.2	0.6	0.2	28	0.04	0.044	20
REP 1110452	QC	0.9	10.6	12.2	60	0.1	17.0	5.6	198	2.20	8.7	0.6	5.9	5	0.2	0.5	0.2	27	0.04	0.044	21
1110469	Soil	0.3	30.1	9.4	58	<0.1	32.8	15.9	204	3.31	12.2	0.7	6.7	10	0.2	0.2	0.5	25	0.07	0.036	27
REP 1110469	QC	0.4	29.9	9.5	64	<0.1	36.8	17.2	203	3.63	12.7	3.1	6.7	10	<0.1	0.3	0.4	26	0.07	0.037	28



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Part 2

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
		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																	
1109350	Soil	27	0.55	115	0.012	<1	1.36	0.004	0.04	0.2	0.04	1.6	<0.1	<0.05	4	<0.5	<0.2
REP 1109350	QC	27	0.54	112	0.011	<1	1.32	0.003	0.04	0.2	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
1109917	Soil	25	0.68	41	0.037	<1	1.71	0.005	0.11	<0.1	0.01	1.9	0.2	<0.05	5	<0.5	<0.2
REP 1109917	QC	27	0.72	44	0.040	<1	1.80	0.005	0.11	0.1	0.02	1.8	0.2	<0.05	6	<0.5	<0.2
1109942	Soil	22	0.60	70	0.011	<1	1.69	0.007	0.04	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
REP 1109942	QC	22	0.58	72	0.010	<1	1.66	0.006	0.04	0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1109988	Soil	20	0.42	129	0.014	<1	1.25	0.005	0.05	0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
REP 1109988	QC	21	0.44	127	0.013	<1	1.25	0.004	0.05	0.2	0.03	1.6	<0.1	<0.05	4	<0.5	<0.2
1110311	Soil	18	0.36	68	0.006	<1	1.25	0.002	0.05	0.1	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
REP 1110311	QC	17	0.36	71	0.006	<1	1.24	0.002	0.04	<0.1	0.03	0.9	<0.1	<0.05	3	<0.5	<0.2
1110329	Soil	15	0.24	81	0.004	<1	0.71	0.003	0.04	<0.1	0.06	1.8	<0.1	<0.05	2	<0.5	<0.2
REP 1110329	QC	14	0.24	77	0.004	<1	0.74	0.003	0.05	0.1	0.06	2.1	<0.1	<0.05	2	<0.5	<0.2
1110344	Soil	23	0.39	120	0.007	1	1.26	0.005	0.04	0.1	0.04	0.9	<0.1	0.14	3	0.8	<0.2
REP 1110344	QC	24	0.40	120	0.008	1	1.29	0.005	0.04	<0.1	0.04	1.0	<0.1	0.16	3	0.6	<0.2
1110370	Soil	21	0.29	79	0.017	<1	1.08	0.004	0.05	0.1	0.05	0.7	<0.1	0.07	4	<0.5	<0.2
REP 1110370	QC	21	0.30	79	0.017	1	1.06	0.004	0.05	0.2	0.05	0.7	<0.1	<0.05	4	<0.5	<0.2
1110385	Soil	22	0.37	86	0.009	<1	1.09	0.003	0.03	0.1	0.01	1.3	<0.1	<0.05	3	0.6	<0.2
REP 1110385	QC	23	0.37	92	0.008	<1	1.11	0.005	0.04	0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1110391	Soil	18	0.42	37	0.004	<1	1.20	0.003	0.03	<0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
REP 1110391	QC	18	0.42	37	0.005	<1	1.23	0.003	0.02	0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1110416	Soil	28	0.73	38	0.036	<1	1.83	0.006	0.12	<0.1	0.02	1.5	0.2	<0.05	6	<0.5	<0.2
REP 1110416	QC	28	0.70	36	0.034	<1	1.74	0.006	0.12	<0.1	0.02	1.5	0.2	<0.05	6	<0.5	<0.2
1110430	Soil	19	0.36	70	0.008	<1	1.34	0.004	0.04	0.2	0.03	1.2	<0.1	<0.05	3	<0.5	<0.2
REP 1110430	QC	20	0.35	66	0.008	<1	1.26	0.003	0.04	0.2	0.03	1.2	<0.1	<0.05	4	0.7	<0.2
1110452	Soil	22	0.34	87	0.016	1	1.42	0.003	0.04	0.2	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
REP 1110452	QC	21	0.34	89	0.017	1	1.37	0.003	0.05	0.2	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
1110469	Soil	29	0.77	70	0.057	<1	1.98	0.012	0.20	0.3	0.02	1.9	0.3	0.05	5	<0.5	<0.2
REP 1110469	QC	30	0.78	69	0.057	<1	2.18	0.013	0.20	0.4	0.02	2.0	0.3	0.06	6	<0.5	<0.2



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Part 1

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		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
1110485	Soil	0.5	24.6	9.9	47	<0.1	28.7	13.9	183	3.18	20.6	0.8	9.5	12	<0.1	0.5	0.3	30	0.07	0.026
REP 1110485	QC	0.4	25.1	9.8	47	<0.1	28.8	14.1	176	3.11	21.2	1.3	9.1	12	<0.1	0.5	0.3	32	0.07	0.027
1110905	Soil	0.2	11.7	14.6	24	0.1	19.7	10.4	778	2.99	220.6	2.6	6.6	102	<0.1	0.7	0.3	26	7.90	0.051
REP 1110905	QC	0.2	11.7	14.0	23	<0.1	19.6	10.4	754	2.85	207.1	2.0	6.2	99	<0.1	0.7	0.3	24	7.31	0.046
1110929	Soil	0.5	23.8	14.8	51	<0.1	34.8	19.0	465	3.38	22.5	1.3	9.0	12	<0.1	0.9	0.5	33	0.13	0.039
REP 1110929	QC	0.5	25.0	15.5	54	<0.1	36.7	20.1	476	3.57	23.8	2.4	9.6	12	<0.1	1.0	0.5	35	0.13	0.041
1110934	Soil	0.2	15.0	8.0	46	<0.1	19.4	11.0	181	2.57	71.1	4.2	10.6	8	<0.1	0.4	0.2	20	0.02	0.019
REP 1110934	QC	0.2	14.7	8.1	43	<0.1	19.6	10.6	175	2.56	71.4	4.1	10.5	8	<0.1	0.4	0.2	20	0.02	0.019
Reference Materials																				
STD DS8	Standard	11.5	94.7	124.5	284	1.8	33.1	6.5	555	2.26	24.1	103.1	6.5	63	2.4	5.4	6.6	39	0.65	0.077
STD DS8	Standard	11.8	98.0	124.8	301	1.8	35.2	6.9	577	2.31	26.2	114.2	6.5	66	2.3	5.5	6.3	39	0.66	0.074
STD DS8	Standard	12.9	103.2	116.3	297	1.9	35.1	7.2	607	2.43	24.8	107.1	5.9	60	2.1	5.2	5.9	41	0.65	0.076
STD DS8	Standard	13.0	95.1	111.5	285	1.5	32.4	6.8	565	2.23	23.7	113.5	6.0	62	2.0	5.0	5.9	39	0.64	0.075
STD DS8	Standard	13.0	107.4	124.8	295	1.7	36.6	7.4	577	2.36	27.4	99.8	6.5	63	2.4	5.3	6.5	42	0.66	0.078
STD DS8	Standard	13.7	108.3	135.8	310	1.9	38.3	7.9	630	2.52	25.9	108.5	7.5	77	2.3	5.8	6.5	42	0.71	0.077
STD DS8	Standard	12.7	103.0	123.2	301	1.7	34.9	7.2	602	2.39	25.4	107.8	6.6	72	2.2	5.6	6.2	40	0.65	0.077
STD DS8	Standard	13.0	109.3	129.2	298	1.7	37.6	7.6	594	2.34	25.9	107.3	7.1	67	2.2	5.2	5.7	44	0.70	0.077
STD DS8	Standard	13.0	104.5	126.9	281	1.7	35.6	7.1	576	2.25	24.6	96.6	6.5	63	2.1	5.1	5.8	41	0.66	0.070
STD DS8	Standard	11.6	102.9	125.7	300	1.8	36.3	7.3	579	2.34	25.8	120.2	6.2	62	2.3	5.7	6.7	39	0.64	0.079
STD DS8	Standard	13.1	109.5	125.3	315	1.8	38.4	7.7	646	2.39	25.9	108.6	6.6	70	2.1	5.3	6.2	43	0.71	0.075
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
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
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
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
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
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
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
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



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		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
1110485	Soil	29	0.77	79	0.066	1	1.99	0.012	0.24	0.2	0.01	2.1	0.3	<0.05	6	<0.5
REP 1110485	QC	29	0.78	83	0.068	<1	1.94	0.012	0.24	0.2	0.02	2.2	0.3	<0.05	6	<0.5
1110905	Soil	27	5.37	189	0.081	<1	1.74	0.019	0.30	0.4	0.01	2.5	0.3	0.09	5	<0.5
REP 1110905	QC	26	4.94	181	0.075	<1	1.74	0.017	0.27	0.3	0.01	2.3	0.4	0.07	4	<0.5
1110929	Soil	28	0.67	81	0.088	<1	2.80	0.018	0.30	0.2	0.02	3.0	0.4	<0.05	6	<0.5
REP 1110929	QC	31	0.69	84	0.087	<1	2.83	0.018	0.31	0.1	0.03	3.0	0.4	<0.05	6	<0.5
1110934	Soil	25	0.51	63	0.101	<1	1.39	0.007	0.51	<0.1	<0.01	2.0	0.4	0.06	4	<0.5
REP 1110934	QC	25	0.53	61	0.102	<1	1.45	0.007	0.51	<0.1	<0.01	1.9	0.4	0.07	4	<0.5
Reference Materials																
STD DS8	Standard	101	0.56	270	0.102	3	0.88	0.103	0.39	2.9	0.21	2.3	5.7	0.13	4	4.5
STD DS8	Standard	107	0.57	273	0.101	3	0.86	0.101	0.40	2.9	0.19	2.2	5.4	0.12	5	4.8
STD DS8	Standard	117	0.56	252	0.113	2	0.83	0.081	0.39	2.8	0.18	2.3	5.3	0.15	4	4.4
STD DS8	Standard	110	0.54	258	0.110	3	0.82	0.082	0.37	2.7	0.19	1.9	4.9	0.16	5	5.8
STD DS8	Standard	115	0.59	263	0.106	3	0.86	0.092	0.39	2.7	0.16	1.8	4.9	0.21	4	4.4
STD DS8	Standard	120	0.63	286	0.125	3	1.00	0.112	0.41	2.8	0.21	2.6	5.5	0.18	5	4.5
STD DS8	Standard	109	0.60	266	0.122	2	0.89	0.084	0.40	2.8	0.20	2.1	5.4	0.18	5	4.7
STD DS8	Standard	121	0.59	268	0.120	3	0.92	0.093	0.39	2.6	0.20	2.4	5.5	0.19	5	4.6
STD DS8	Standard	113	0.57	256	0.113	2	0.90	0.090	0.40	2.6	0.17	1.9	4.9	0.17	4	4.4
STD DS8	Standard	114	0.58	271	0.101	2	0.87	0.100	0.43	3.1	0.22	2.3	5.6	<0.05	5	4.7
STD DS8	Standard	122	0.60	274	0.118	2	0.94	0.111	0.43	3.0	0.20	2.6	5.2	0.17	4	6.2
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23
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
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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		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
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:

TINA

Report Date:

December 13, 2011

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Part 2

QUALITY CONTROL REPORT

WHI11001859.1

		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
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: Michael Collins
Receiving Lab: Canada-Whitehorse
Received: September 20, 2011
Report Date: December 06, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI11001911.1

CLIENT JOB INFORMATION

Project: TINA
Shipment ID: AML-2011-S-054
P.O. Number
Number of Samples: 51

SAMPLE DISPOSAL

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

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: Argus Metals Corp.
Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Paul Gray
Quartz Camp

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	51	Dry at 60C			WHI
SS80	49	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	51	Saving all or part of Soil Reject			WHI
1DX2	51	1:1:1 Aqua Regia digestion ICP-MS analysis	15	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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Part 1

CERTIFICATE OF ANALYSIS

WHI11001911.1

	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
1110948 AML-STD	Rock Pulp	1.2	405.1	22.4	161	0.2	190.4	69.5	774	14.97	3.0	27.2	7.5	16	<0.1	0.3	0.2	197	0.28	0.039
1110949	Soil	0.6	24.8	11.9	71	<0.1	30.2	12.6	202	3.53	36.9	1.2	8.7	5	<0.1	0.5	0.8	30	0.02	0.034
1110950	Soil	0.5	23.2	9.9	70	<0.1	30.6	14.3	235	3.50	23.2	1.1	11.6	4	<0.1	0.4	0.4	26	0.02	0.022
1110951	Soil	0.7	31.2	24.3	85	0.1	69.5	47.1	721	3.39	27.4	0.7	11.6	5	0.2	0.9	0.4	23	0.02	0.044
1110952	Soil	0.6	35.9	23.4	93	<0.1	39.6	14.9	361	3.90	46.7	1.0	13.5	5	0.1	1.2	0.5	23	0.02	0.035
1110953	Soil	0.4	33.3	20.5	92	<0.1	36.0	17.0	449	3.97	55.5	1.8	14.4	6	0.1	0.9	0.6	22	0.02	0.032
1110954	Soil	0.6	32.8	22.6	87	<0.1	33.4	16.0	386	3.94	46.1	<0.5	16.7	8	0.1	1.1	0.5	22	0.03	0.028
1110955	Soil	0.4	26.0	21.6	79	<0.1	28.3	12.1	331	3.33	31.8	0.9	12.1	7	0.2	1.4	0.4	21	0.03	0.027
1110956	Soil	0.7	23.4	23.3	73	<0.1	23.6	9.6	263	3.16	36.6	0.9	11.5	5	0.2	1.0	0.4	22	0.03	0.033
1110957	Soil	0.8	23.5	22.7	73	<0.1	24.2	9.4	280	3.13	30.8	2.4	10.0	5	0.2	0.8	0.4	24	0.03	0.034
1110958	Soil	1.1	17.7	17.6	68	0.1	21.0	8.8	217	3.27	10.1	<0.5	7.8	6	0.1	0.7	0.3	29	0.04	0.038
1110959	Soil	0.5	30.4	26.5	85	<0.1	28.3	10.4	267	3.36	50.1	2.6	8.2	5	0.1	1.6	0.4	21	0.02	0.034
1110960	Soil	2.9	20.8	2.5	33	0.4	17.5	7.5	277	1.72	3.2	<0.5	1.0	32	0.3	0.3	<0.1	44	0.65	0.045
1110961	Soil	0.6	27.3	28.5	91	<0.1	29.8	12.4	309	3.38	47.3	0.7	9.7	5	<0.1	2.2	0.4	20	0.02	0.031
1110962	Soil	0.8	21.4	27.7	64	0.1	24.2	10.7	267	2.57	11.2	<0.5	7.4	6	0.1	0.7	0.3	25	0.06	0.043
1110963	Soil	0.8	15.9	17.8	60	0.2	19.5	8.0	184	2.36	7.9	0.9	7.0	6	0.1	0.6	0.3	23	0.04	0.042
1110964	Soil	0.9	16.1	20.8	73	<0.1	21.7	9.8	199	2.55	9.8	1.0	8.8	5	0.1	0.7	0.3	27	0.04	0.029
1110965	Soil	0.6	16.8	20.5	54	<0.1	21.6	9.6	201	2.27	9.1	<0.5	10.1	6	<0.1	0.8	0.3	21	0.04	0.028
1110966	Soil	0.7	17.4	21.9	58	0.1	22.3	9.3	179	2.45	8.9	2.5	8.6	6	0.2	0.6	0.3	21	0.04	0.029
1110967	Soil	0.8	21.5	25.5	70	0.1	29.2	12.4	271	3.36	72.5	0.8	10.7	9	0.2	0.6	0.5	25	0.04	0.042
1110968	Soil	1.2	17.6	22.8	73	0.2	18.9	8.8	308	3.33	16.4	<0.5	9.8	6	0.2	0.6	0.5	44	0.03	0.036
1110969	Soil	0.5	7.2	12.6	38	<0.1	10.0	3.6	103	1.96	27.9	<0.5	5.0	6	<0.1	0.4	0.3	30	0.04	0.032
1110970	Soil	0.5	25.7	18.9	69	<0.1	29.1	10.4	250	3.14	75.9	0.9	14.8	8	<0.1	0.7	0.4	24	0.06	0.013
1110971	Soil	0.3	24.8	11.2	67	<0.1	29.9	14.4	232	3.34	48.9	<0.5	15.0	8	<0.1	0.4	0.4	23	0.02	0.026
1110972	Soil	0.6	17.0	13.5	57	<0.1	22.6	10.3	165	3.13	26.7	0.9	10.8	7	0.1	0.4	0.4	28	0.03	0.036
1110973	Soil	0.7	17.7	12.4	54	<0.1	24.2	9.8	156	3.32	36.4	<0.5	11.6	7	<0.1	0.4	0.4	25	0.04	0.042
1110974	Soil	0.7	22.7	14.7	55	<0.1	29.6	14.1	171	2.87	27.4	0.8	12.2	8	<0.1	0.4	0.4	25	0.03	0.021
1110975	Soil	0.9	8.7	13.7	45	<0.1	16.5	7.4	162	2.64	16.5	<0.5	8.1	7	<0.1	0.4	0.3	31	0.04	0.023
1110976	Soil	0.4	11.8	11.1	41	<0.1	18.9	7.4	133	2.57	15.1	<0.5	8.6	6	<0.1	0.2	0.2	24	0.03	0.021
1110977	Soil	0.5	23.4	19.3	67	0.1	23.8	7.9	169	3.70	46.0	0.8	10.5	26	0.2	0.3	0.4	30	0.12	0.030



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Project: TINA
Report Date: December 06, 2011

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CERTIFICATE OF ANALYSIS

WHI11001911.1

	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
1110948 AML-STD	Rock Pulp	579	0.12	147	0.157	3	3.74	0.012	0.06	<0.1	0.03	31.2	<0.1	<0.05	20	<0.5	<0.2
1110949	Soil	26	0.59	47	0.029	1	1.84	0.004	0.10	0.2	0.02	1.7	0.2	<0.05	6	<0.5	<0.2
1110950	Soil	23	0.59	62	0.017	<1	1.76	0.005	0.06	0.2	0.02	1.7	0.1	<0.05	5	<0.5	<0.2
1110951	Soil	19	0.44	54	0.006	<1	1.72	0.003	0.04	0.1	0.04	1.3	<0.1	<0.05	5	<0.5	<0.2
1110952	Soil	20	0.50	83	0.004	<1	1.60	0.004	0.06	0.2	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1110953	Soil	22	0.63	83	0.008	1	1.85	0.008	0.10	0.2	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
1110954	Soil	23	0.62	98	0.008	1	1.93	0.009	0.08	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
1110955	Soil	18	0.46	97	0.007	<1	1.43	0.005	0.05	0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1110956	Soil	18	0.40	68	0.007	<1	1.47	0.003	0.05	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1110957	Soil	18	0.40	62	0.015	<1	1.44	0.005	0.04	0.2	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1110958	Soil	23	0.42	73	0.015	<1	1.71	0.003	0.05	0.2	0.03	1.4	<0.1	<0.05	5	<0.5	<0.2
1110959	Soil	18	0.42	93	0.005	<1	1.46	0.004	0.06	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1110960	Soil	24	0.45	79	0.101	4	1.02	0.060	0.07	12.7	0.02	2.9	<0.1	0.05	4	<0.5	<0.2
1110961	Soil	18	0.41	57	0.006	<1	1.46	0.006	0.06	0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1110962	Soil	19	0.39	68	0.010	<1	1.81	0.004	0.06	0.2	0.04	1.3	<0.1	<0.05	4	<0.5	<0.2
1110963	Soil	18	0.35	66	0.012	<1	1.63	0.004	0.05	0.2	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1110964	Soil	20	0.39	88	0.013	<1	1.81	0.004	0.06	0.3	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1110965	Soil	16	0.32	58	0.013	2	1.28	0.003	0.05	0.2	0.01	1.1	<0.1	<0.05	3	<0.5	<0.2
1110966	Soil	18	0.37	65	0.011	<1	1.60	0.004	0.05	0.2	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
1110967	Soil	23	0.47	67	0.011	<1	1.95	0.004	0.05	0.2	0.04	1.6	<0.1	<0.05	4	<0.5	<0.2
1110968	Soil	23	0.40	61	0.022	<1	1.93	0.006	0.05	0.3	0.02	1.7	0.1	<0.05	7	<0.5	<0.2
1110969	Soil	14	0.23	55	0.011	<1	1.11	0.003	0.04	0.2	0.02	1.0	<0.1	<0.05	6	<0.5	<0.2
1110970	Soil	19	0.50	81	0.007	<1	1.63	0.006	0.06	0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1110971	Soil	25	0.68	52	0.029	<1	1.78	0.006	0.12	0.5	0.01	1.9	0.2	<0.05	5	<0.5	<0.2
1110972	Soil	28	0.58	74	0.053	<1	1.88	0.007	0.17	0.3	0.02	2.0	0.2	<0.05	5	<0.5	<0.2
1110973	Soil	27	0.57	62	0.054	<1	2.03	0.007	0.19	0.4	0.02	1.9	0.2	<0.05	5	<0.5	<0.2
1110974	Soil	23	0.50	64	0.050	<1	1.72	0.005	0.15	0.2	0.01	1.8	0.2	<0.05	4	<0.5	<0.2
1110975	Soil	22	0.44	80	0.037	1	1.54	0.006	0.10	0.2	0.01	1.6	0.1	<0.05	5	<0.5	<0.2
1110976	Soil	23	0.48	55	0.050	<1	1.72	0.004	0.08	0.1	0.02	1.5	0.1	<0.05	5	<0.5	<0.2
1110977	Soil	34	0.71	85	0.088	<1	2.82	0.019	0.22	0.1	0.04	2.6	0.2	0.06	7	<0.5	<0.2



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Report Date: December 06, 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	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
1110978	Soil	0.6	19.1	22.6	78	<0.1	32.4	13.8	307	3.35	170.6	4.4	11.1	15	0.1	0.9	0.4	33	0.14	0.034	24
1110979	Soil	0.7	22.0	18.5	58	<0.1	27.5	11.8	164	3.23	52.8	2.5	12.0	7	0.1	0.7	0.4	27	0.02	0.032	22
1110980	Soil	0.8	22.5	16.3	64	<0.1	25.7	10.8	207	3.18	37.3	0.8	12.0	6	0.1	0.5	0.4	26	0.03	0.024	27
1110981	Soil	0.8	19.2	14.9	71	<0.1	27.9	12.1	234	2.75	17.1	1.3	10.1	6	0.1	0.6	0.3	27	0.04	0.031	27
1110982	Soil	0.7	28.2	13.4	72	<0.1	31.3	11.9	204	3.26	20.0	0.6	12.1	5	<0.1	0.5	0.4	28	0.02	0.022	29
1110983	Soil	0.6	16.3	10.9	57	<0.1	21.3	8.0	191	2.70	14.0	0.8	9.3	4	<0.1	0.4	0.4	30	0.02	0.021	21
1110984 AML-STD	Rock Pulp	1.3	411.9	22.4	152	0.2	198.5	74.5	739	13.53	2.7	26.1	7.2	14	0.1	0.3	0.2	190	0.26	0.038	17
1110985	Soil	0.9	12.3	8.8	34	<0.1	11.2	4.5	83	2.03	13.1	<0.5	4.5	4	<0.1	0.4	0.3	30	0.02	0.024	15
1110986	Soil	0.7	17.8	10.2	31	0.2	11.9	4.7	96	1.75	7.8	0.5	0.5	5	<0.1	0.2	0.3	24	0.06	0.032	16
1110987	Soil	0.5	21.5	11.0	66	<0.1	25.2	9.2	224	3.03	23.4	<0.5	11.3	4	<0.1	0.5	0.3	20	0.02	0.032	27
1110988	Soil	1.1	17.1	14.8	70	0.1	23.7	9.2	221	3.52	34.6	<0.5	8.4	6	<0.1	0.5	0.4	36	0.03	0.083	18
1110989	Soil	0.5	24.5	12.9	70	<0.1	26.6	11.7	265	3.27	20.2	0.9	13.7	7	<0.1	0.5	0.3	24	0.02	0.027	28
1110990	Soil	0.7	20.0	10.8	61	<0.1	20.7	7.8	210	3.11	24.5	<0.5	10.0	5	<0.1	0.5	0.3	24	0.03	0.061	27
1110991	Soil	0.8	24.1	11.7	38	<0.1	11.9	5.4	102	2.18	17.6	<0.5	8.0	7	<0.1	0.3	0.3	24	0.03	0.036	20
1110992	Soil	0.5	35.6	17.0	74	<0.1	32.0	11.4	267	3.46	38.5	0.6	13.6	5	0.1	0.7	0.3	19	0.02	0.021	33
1110993	Soil	0.6	21.0	12.6	58	<0.1	23.3	7.5	213	2.60	29.7	0.9	9.7	6	<0.1	0.4	0.3	22	0.07	0.036	27
1110994	Soil	1.0	30.3	47.0	74	<0.1	30.8	11.9	254	2.78	39.5	5.2	10.0	8	0.2	1.0	0.8	25	0.10	0.060	26
1110995	Soil	0.6	15.4	11.6	49	<0.1	15.5	5.0	146	1.93	9.3	1.4	6.3	8	0.1	0.4	0.2	23	0.09	0.043	26
1110996	Soil	2.9	21.7	2.9	32	0.4	17.7	7.8	274	1.73	4.2	1.0	1.0	28	0.2	0.3	<0.1	46	0.66	0.045	4
1109935	Soil	0.4	31.0	9.5	51	<0.1	36.2	17.3	164	3.42	26.7	0.8	13.2	9	0.1	0.3	0.4	30	0.04	0.026	25
1109936	Soil	0.4	30.3	9.4	52	<0.1	36.4	17.5	169	3.40	30.8	1.3	13.5	9	0.1	0.3	0.4	29	0.05	0.027	24



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Project: TINA
Report Date: December 06, 2011

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CERTIFICATE OF ANALYSIS

WHI11001911.1

	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
1110978	Soil	28	0.62	127	0.051	<1	2.33	0.017	0.14	0.2	0.02	2.7	0.2	<0.05	6	<0.5	<0.2
1110979	Soil	27	0.51	65	0.033	<1	2.00	0.005	0.11	0.3	0.02	1.8	0.2	<0.05	5	<0.5	<0.2
1110980	Soil	24	0.56	67	0.020	1	1.79	0.008	0.07	0.5	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
1110981	Soil	21	0.50	80	0.020	<1	1.59	0.005	0.05	0.3	0.01	1.7	0.1	<0.05	4	<0.5	<0.2
1110982	Soil	25	0.62	57	0.021	<1	1.86	0.004	0.06	0.2	0.02	1.7	0.1	<0.05	6	<0.5	<0.2
1110983	Soil	23	0.54	42	0.027	<1	1.52	0.003	0.05	0.2	0.02	1.4	0.1	<0.05	5	<0.5	<0.2
1110984 AML-STD	Rock Pulp	595	0.12	129	0.145	3	3.54	0.011	0.05	<0.1	0.03	29.4	0.1	<0.05	19	<0.5	<0.2
1110985	Soil	3	0.24	32	0.014	<1	0.96	0.005	0.03	0.2	0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
1110986	Soil	14	0.19	38	0.008	<1	0.90	0.003	0.02	0.2	0.02	0.4	<0.1	0.06	4	<0.5	<0.2
1110987	Soil	20	0.56	66	0.010	<1	1.68	0.005	0.06	0.1	0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
1110988	Soil	22	0.48	55	0.015	<1	1.54	0.006	0.08	0.2	0.02	1.5	0.1	<0.05	6	<0.5	<0.2
1110989	Soil	23	0.62	93	0.016	<1	1.91	0.007	0.06	0.1	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
1110990	Soil	17	0.40	37	0.011	<1	1.07	0.004	0.04	0.2	<0.01	1.1	<0.1	<0.05	4	<0.5	<0.2
1110991	Soil	15	0.27	52	0.008	<1	1.26	0.007	0.04	0.2	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1110992	Soil	20	0.51	84	0.006	<1	1.68	0.005	0.06	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1110993	Soil	18	0.49	50	0.015	<1	1.44	0.004	0.05	0.1	0.01	1.5	0.1	<0.05	4	<0.5	<0.2
1110994	Soil	18	0.38	78	0.013	<1	1.41	0.004	0.06	0.2	0.02	1.4	0.1	<0.05	3	<0.5	<0.2
1110995	Soil	17	0.33	66	0.013	<1	1.06	0.003	0.03	0.2	0.01	1.1	<0.1	0.06	3	<0.5	<0.2
1110996	Soil	25	0.46	73	0.095	5	1.03	0.057	0.07	12.3	0.02	2.8	<0.1	0.10	4	<0.5	<0.2
1109935	Soil	30	0.83	76	0.068	<1	2.44	0.009	0.20	<0.1	0.02	2.5	0.3	0.10	6	<0.5	<0.2
1109936	Soil	29	0.83	76	0.065	<1	2.45	0.009	0.20	0.1	0.02	2.5	0.3	0.08	6	<0.5	<0.2



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Project: TINA

Report Date: December 06, 2011

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QUALITY CONTROL REPORT

WHI11001911.1

	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																					
1110958	Soil	1.1	17.7	17.6	68	0.1	21.0	8.8	217	3.27	10.1	<0.5	7.8	6	0.1	0.7	0.3	29	0.04	0.038	19
REP 1110958	QC	1.1	17.7	17.7	70	0.1	21.2	9.1	220	3.28	10.0	0.6	8.1	6	0.1	0.7	0.3	30	0.04	0.037	20
1110974	Soil	0.7	22.7	14.7	55	<0.1	29.6	14.1	171	2.87	27.4	0.8	12.2	8	<0.1	0.4	0.4	25	0.03	0.021	24
REP 1110974	QC	0.6	22.8	15.1	54	<0.1	30.2	13.9	173	2.82	27.7	1.0	12.0	8	0.1	0.5	0.4	25	0.03	0.021	24
1110989	Soil	0.5	24.5	12.9	70	<0.1	26.6	11.7	265	3.27	20.2	0.9	13.7	7	<0.1	0.5	0.3	24	0.02	0.027	28
REP 1110989	QC	0.5	24.8	12.6	70	<0.1	27.5	11.9	262	3.33	20.8	1.3	14.0	7	<0.1	0.5	0.3	25	0.02	0.026	28
Reference Materials																					
STD DS8	Standard	13.2	109.9	123.8	320	1.8	35.6	7.5	613	2.49	27.2	123.9	7.1	70	2.6	6.1	7.4	43	0.70	0.079	16
STD DS8	Standard	13.6	110.1	130.2	301	1.6	37.2	7.8	582	2.36	25.2	95.1	7.1	62	2.2	5.3	6.1	41	0.68	0.076	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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Part 2

QUALITY CONTROL REPORT

WHI11001911.1

	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																	
1110958	Soil	23	0.42	73	0.015	<1	1.71	0.003	0.05	0.2	0.03	1.4	<0.1	<0.05	5	<0.5	<0.2
REP 1110958	QC	22	0.42	73	0.015	1	1.74	0.004	0.05	0.2	0.03	1.4	<0.1	<0.05	5	<0.5	<0.2
1110974	Soil	23	0.50	64	0.050	<1	1.72	0.005	0.15	0.2	0.01	1.8	0.2	<0.05	4	<0.5	<0.2
REP 1110974	QC	23	0.50	66	0.048	1	1.64	0.005	0.15	0.3	0.02	1.7	0.2	<0.05	4	<0.5	<0.2
1110989	Soil	23	0.62	93	0.016	<1	1.91	0.007	0.06	0.1	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
REP 1110989	QC	23	0.61	92	0.017	<1	1.92	0.006	0.07	0.1	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	117	0.61	284	0.123	3	0.92	0.097	0.44	3.2	0.19	2.3	5.4	0.17	5	5.3	5.3
STD DS8	Standard	113	0.59	249	0.111	3	0.90	0.089	0.36	2.9	0.17	2.0	5.1	0.24	5	4.6	4.7
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: Michael Collins
Receiving Lab: Canada-Whitehorse
Received: July 25, 2011
Report Date: August 04, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI11000737.1

CLIENT JOB INFORMATION

Project: Hyland
Shipment ID: AML-2011-S-009
P.O. Number
Number of Samples: 31

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: Argus Metals Corp.
350-580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Paul Gray

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	31	Crush, split and pulverize 250 g rock to 200 mesh			WHI
G608	31	Lead collection fire assay fusion - ICP-ES finish + 7AR Ag	30	Completed	VAN
1EX	31	4 Acid digestion ICP-MS analysis	0.25	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:

Hyland

Report Date:

August 04, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000737.1

	Method Analyte Unit MDL	WGHT	G6	G6	G6	7AR	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
		Wgt	Au	Pt	Pd	Ag	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		kg	gm/t	gm/t	gm/t	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1
1110674	Rock	0.72	<0.01	<0.01	<0.01	<2	0.3	22.3	6.1	39	<0.1	15.0	5.9	339	1.92	32	1.0	<0.1	9.8	46
1110675	Rock	1.15	<0.01	<0.01	<0.01	<2	0.2	3.6	3.7	25	<0.1	9.8	4.4	258	1.79	19	0.7	<0.1	6.7	25
1110676	Rock	0.87	<0.01	<0.01	<0.01	<2	0.2	8.2	3.1	31	<0.1	9.0	2.8	235	1.16	52	0.9	<0.1	8.4	7
1110677	Rock	0.95	0.03	0.01	<0.01	<2	0.3	6.6	31.9	11	0.2	1.8	1.1	51	2.19	247	0.8	<0.1	7.7	9
1110678	Rock	1.19	<0.01	<0.01	<0.01	<2	0.2	6.4	3.8	18	<0.1	22.0	25.0	2094	0.70	19	1.1	<0.1	6.2	8
1110679	Rock	0.88	<0.01	<0.01	<0.01	<2	0.2	2.9	2.9	10	<0.1	4.4	1.4	273	0.95	6	0.7	<0.1	9.8	15
1110680	Rock	0.94	<0.01	<0.01	<0.01	<2	0.3	1.6	2.4	15	<0.1	13.2	5.0	570	1.03	13	0.9	<0.1	5.6	13
1110681	Rock	1.48	<0.01	<0.01	<0.01	<2	0.2	4.4	6.6	32	<0.1	14.7	5.0	460	1.52	2	0.7	<0.1	7.3	39
1110682	Rock	1.17	<0.01	<0.01	<0.01	<2	0.3	5.4	2.6	12	<0.1	7.2	2.8	252	0.94	26	0.7	<0.1	5.2	22
1110683	Rock	0.87	<0.01	<0.01	<0.01	<2	0.1	5.4	6.2	22	<0.1	6.5	2.8	127	1.25	4	0.8	<0.1	3.7	11
1110684	Rock	1.00	<0.01	<0.01	<0.01	<2	1.2	9.6	14.1	101	<0.1	22.9	7.7	384	4.45	3	2.3	<0.1	9.0	43
1110685	Rock	1.34	<0.01	<0.01	<0.01	<2	1.6	81.0	25.2	142	0.1	40.2	22.5	295	7.98	10	3.0	<0.1	13.1	58
1110686	Rock	1.44	<0.01	<0.01	<0.01	<2	0.2	1.6	0.8	3	<0.1	1.4	0.3	32	0.26	6	<0.1	<0.1	0.3	3
1110687	Rock	1.40	<0.01	<0.01	<0.01	<2	0.2	9.7	9.0	40	<0.1	14.2	4.8	77	2.24	3	0.9	<0.1	9.0	4
1110688	Rock	1.01	<0.01	<0.01	<0.01	<2	0.2	3.0	6.3	32	<0.1	12.4	5.2	527	1.36	3	0.8	<0.1	7.8	33
1110689	Rock	2.33	<0.01	<0.01	<0.01	<2	0.3	12.5	9.7	52	<0.1	14.9	4.0	221	2.06	<1	0.8	<0.1	7.6	21
1110690	Rock	0.90	<0.01	<0.01	<0.01	<2	0.2	7.2	10.7	73	<0.1	28.0	16.2	289	2.67	2	1.3	<0.1	8.3	11
1110691	Rock	1.37	<0.01	<0.01	<0.01	<2	0.2	6.3	6.5	52	<0.1	16.1	2.8	98	1.92	4	1.0	<0.1	12.5	11
1110692	Rock	1.16	<0.01	<0.01	<0.01	<2	0.1	26.8	19.0	76	<0.1	33.6	10.3	1168	3.07	14	1.9	<0.1	12.0	61
1110693	Rock	1.54	<0.01	<0.01	<0.01	<2	0.3	4.0	5.3	11	<0.1	2.1	1.3	64	1.11	2	0.7	<0.1	7.1	9
1110694	Rock	1.60	<0.01	<0.01	<0.01	<2	0.3	4.4	3.3	6	<0.1	1.9	1.0	70	1.37	1	0.7	<0.1	5.0	10
1110695	Rock	1.48	<0.01	<0.01	<0.01	<2	0.1	6.6	10.6	38	<0.1	9.1	4.3	309	1.13	3	0.9	<0.1	7.9	44
1110696	Rock	1.77	<0.01	<0.01	<0.01	<2	0.2	8.5	10.1	52	<0.1	16.2	6.1	427	2.12	1	1.0	<0.1	8.7	59
1110697	Rock	4.15	<0.01	<0.01	<0.01	<2	0.2	34.4	47.7	19	<0.1	8.6	2.6	54	1.42	6	0.5	<0.1	2.7	7
1110698	Rock	3.39	0.01	<0.01	<0.01	<2	0.2	29.0	4.6	7	<0.1	5.3	4.7	95	2.29	116	0.8	<0.1	5.9	13
1110699	Rock	4.21	0.92	<0.01	<0.01	<2	0.4	21.6	19.0	12	0.2	13.2	13.1	160	4.67	539	1.6	1.4	8.3	12
1110700	Rock	2.11	0.15	<0.01	<0.01	<2	0.3	88.0	28.3	8	0.1	28.4	4.6	121	4.15	600	1.3	<0.1	8.3	9
1110701	Rock	2.05	<0.01	<0.01	<0.01	<2	0.1	3.2	1.6	4	<0.1	3.9	2.0	216	0.74	42	1.2	<0.1	9.7	8
1110702	Rock	1.57	<0.01	<0.01	<0.01	<2	0.4	22.1	15.1	54	<0.1	15.4	2.3	119	3.08	22	2.4	<0.1	8.8	21
1110703	Rock	1.77	<0.01	<0.01	<0.01	<2	0.7	10.1	8.9	18	<0.1	8.7	3.3	578	1.27	5	1.4	<0.1	8.7	54



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August 04, 2011

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Part 2

CERTIFICATE OF ANALYSIS

WHI11000737.1

	Method Analyte Unit MDL	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
		Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta
		ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	1	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1
1110674	Rock	0.5	0.1	27	0.25	0.010	20.1	27	0.45	286	0.086	3.61	1.127	0.98	0.2	42.1	41	1.3	4.3	2.9	0.2
1110675	Rock	0.6	<0.1	17	0.04	0.008	14.7	12	0.39	95	0.048	2.08	0.509	0.36	0.2	30.4	28	0.4	3.6	1.6	0.1
1110676	Rock	0.7	0.6	14	0.03	0.010	17.6	9	0.29	141	0.045	2.03	0.081	0.91	1.6	38.6	34	3.9	3.2	1.5	0.1
1110677	Rock	1.1	6.2	11	<0.01	0.023	23.7	9	0.18	88	0.028	1.54	0.062	0.48	1.2	24.6	44	2.5	2.0	0.7	<0.1
1110678	Rock	0.5	0.4	8	0.01	0.018	16.1	13	0.13	100	0.034	1.52	0.028	0.64	1.8	27.4	31	3.2	6.2	1.4	<0.1
1110679	Rock	0.5	0.3	21	0.15	0.011	15.5	23	0.30	230	0.081	2.87	0.345	1.45	2.1	36.7	30	5.0	3.3	2.4	0.2
1110680	Rock	0.6	<0.1	9	<0.01	0.011	10.6	13	0.17	86	0.035	1.53	0.032	0.39	0.7	19.8	23	0.7	4.2	1.0	<0.1
1110681	Rock	0.1	<0.1	15	0.05	0.014	14.8	15	0.39	85	0.045	2.46	1.158	0.33	0.1	25.3	31	0.6	4.1	1.4	0.1
1110682	Rock	0.4	<0.1	12	0.02	0.007	11.9	6	0.08	182	0.036	1.80	0.325	0.75	0.4	20.6	24	1.4	1.8	1.3	<0.1
1110683	Rock	0.4	<0.1	7	<0.01	0.011	7.3	6	0.14	44	0.022	1.16	0.034	0.17	0.1	14.7	16	0.2	1.7	0.7	<0.1
1110684	Rock	0.1	<0.1	23	0.03	0.017	17.6	18	1.00	72	0.041	4.77	1.367	0.32	0.1	54.4	36	0.4	4.4	1.3	0.1
1110685	Rock	0.7	0.4	92	0.02	0.072	31.1	68	0.49	603	0.135	7.43	0.141	2.88	0.7	81.4	65	2.4	9.7	4.0	0.3
1110686	Rock	<0.1	<0.1	1	<0.01	<0.001	0.6	<1	0.01	5	0.003	0.07	0.009	0.02	<0.1	1.3	1	<0.1	0.3	0.2	<0.1
1110687	Rock	0.3	<0.1	11	<0.01	0.014	15.3	9	0.02	37	0.028	1.33	0.007	0.14	0.3	16.0	33	0.2	2.3	0.8	<0.1
1110688	Rock	<0.1	<0.1	13	0.02	0.011	15.9	13	0.21	41	0.043	2.49	1.063	0.11	0.1	24.0	36	0.2	3.0	1.4	0.1
1110689	Rock	0.2	<0.1	20	0.03	0.023	15.9	14	0.35	146	0.049	2.80	0.381	0.65	0.2	22.3	34	0.7	2.6	1.4	0.1
1110690	Rock	0.3	<0.1	17	<0.01	0.016	15.7	18	0.36	115	0.049	2.59	0.037	0.45	0.3	33.6	31	0.4	4.1	1.5	0.1
1110691	Rock	0.8	<0.1	19	<0.01	0.010	19.5	16	0.16	120	0.051	2.80	0.029	0.56	0.4	44.4	40	0.4	3.8	1.4	0.1
1110692	Rock	0.1	<0.1	36	0.30	0.012	23.5	32	0.73	230	0.072	5.29	1.890	0.77	0.2	104.0	47	0.8	7.1	2.2	0.2
1110693	Rock	0.4	<0.1	7	<0.01	0.018	12.2	7	0.06	49	0.035	1.01	0.019	0.15	0.3	36.3	27	0.2	2.3	1.1	<0.1
1110694	Rock	0.4	<0.1	10	<0.01	0.004	13.9	9	0.20	49	0.044	1.23	0.015	0.15	0.3	33.9	31	0.2	2.8	1.3	<0.1
1110695	Rock	0.6	<0.1	16	0.35	0.016	15.9	13	0.25	156	0.047	2.56	0.691	0.56	<0.1	48.6	32	0.4	4.4	1.5	0.1
1110696	Rock	0.1	<0.1	26	0.30	0.015	19.1	20	0.55	173	0.083	3.40	0.179	0.77	0.4	42.8	39	0.8	5.0	2.6	0.2
1110697	Rock	0.2	<0.1	6	<0.01	0.013	3.4	4	0.08	34	0.012	0.48	0.012	0.14	<0.1	3.0	6	0.2	0.7	0.4	<0.1
1110698	Rock	1.7	1.2	22	<0.01	0.015	13.8	16	0.07	261	0.049	2.50	0.060	1.32	1.5	35.0	28	4.9	2.5	1.1	<0.1
1110699	Rock	2.2	30.9	12	0.01	0.041	26.4	12	0.10	137	0.028	1.79	0.035	0.82	1.6	41.6	49	3.5	4.6	0.8	<0.1
1110700	Rock	83.5	>4000	20	<0.01	0.020	36.5	18	0.10	211	0.038	2.74	0.053	1.34	64.0	39.2	62	5.1	5.2	0.9	<0.1
1110701	Rock	0.8	2.3	14	0.07	0.012	25.6	12	0.08	193	0.049	2.14	0.039	1.16	1.6	42.3	44	4.9	3.7	1.5	<0.1
1110702	Rock	1.0	3.6	70	0.01	0.035	22.1	45	1.15	384	0.211	5.94	0.044	3.17	0.7	97.9	48	2.4	5.7	6.4	0.4
1110703	Rock	0.5	0.3	20	1.11	0.014	21.3	18	0.20	175	0.062	2.56	0.454	0.89	0.5	42.4	43	2.1	4.3	1.9	0.2



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Report Date: August 04, 2011

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1EX	1EX	1EX	1EX	1EX	1EX
		Be	Sc	Li	S	Rb	Hf
		ppm	ppm	ppm	%	ppm	ppm
		1	1	0.1	0.1	0.1	0.1
1110674	Rock	<1	3	16.7	<0.1	46.6	1.1
1110675	Rock	<1	2	18.6	<0.1	17.8	0.8
1110676	Rock	<1	1	10.8	<0.1	37.1	1.2
1110677	Rock	<1	<1	3.3	<0.1	19.7	0.7
1110678	Rock	<1	1	14.6	<0.1	25.4	0.9
1110679	Rock	<1	2	9.5	<0.1	52.6	0.9
1110680	Rock	<1	1	22.5	<0.1	23.7	0.4
1110681	Rock	<1	2	19.2	<0.1	17.9	0.7
1110682	Rock	<1	1	4.6	<0.1	33.2	0.6
1110683	Rock	<1	<1	88.9	<0.1	9.5	0.5
1110684	Rock	<1	3	60.7	<0.1	16.2	2.0
1110685	Rock	2	13	48.0	<0.1	134.3	2.3
1110686	Rock	<1	<1	1.5	<0.1	1.5	<0.1
1110687	Rock	<1	2	33.2	<0.1	7.3	0.4
1110688	Rock	<1	2	49.4	<0.1	6.5	0.7
1110689	Rock	<1	3	30.3	<0.1	32.4	0.6
1110690	Rock	<1	3	163.0	<0.1	24.9	1.0
1110691	Rock	<1	2	218.4	<0.1	39.1	1.2
1110692	Rock	<1	5	51.9	<0.1	39.8	3.0
1110693	Rock	<1	1	149.0	<0.1	7.9	1.0
1110694	Rock	<1	1	49.7	<0.1	10.1	1.0
1110695	Rock	<1	2	24.8	<0.1	29.1	1.4
1110696	Rock	<1	3	49.9	<0.1	40.8	1.0
1110697	Rock	<1	<1	9.5	<0.1	7.5	<0.1
1110698	Rock	<1	2	3.4	<0.1	51.4	0.9
1110699	Rock	<1	2	2.8	<0.1	32.1	1.2
1110700	Rock	<1	3	3.1	<0.1	51.1	1.0
1110701	Rock	<1	2	3.4	<0.1	47.1	1.4
1110702	Rock	2	9	38.2	<0.1	83.2	2.6
1110703	Rock	<1	2	10.7	<0.1	38.9	1.1



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	WGHT	G6	G6	G6	7AR	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	
		Wgt	Au	Pt	Pd	Ag	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
		kg	gm/t	gm/t	gm/t	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1
1110704	Rock	0.64	<0.01	<0.01	<0.01	<2	0.5	4.6	7.2	27	<0.1	6.3	5.9	283	1.83	85	2.1	<0.1	11.7	139	<0.1



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CERTIFICATE OF ANALYSIS

WHI11000737.1

	Method Analyte Unit MDL	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	
		Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta
		ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	1	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1
1110704	Rock	0.4	1.3	36	1.21	0.033	26.3	12	0.48	467	0.158	4.46	1.205	1.88	1.0	32.3	46	2.6	7.9	7.2	0.7



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1EX	1EX	1EX	1EX	1EX	1EX
		Be	Sc	Li	S	Rb	Hf
		ppm	ppm	ppm	%	ppm	ppm
		1	1	0.1	0.1	0.1	0.1
1110704	Rock	1	5	22.6	<0.1	85.3	1.1



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QUALITY CONTROL REPORT

WHI11000737.1

	Method Analyte Unit MDL	WGHT	G6	G6	G6	7AR	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	
		Wgt	Au	Pt	Pd	Ag	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
		kg	gm/t	gm/t	gm/t	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1
Pulp Duplicates																					
1110684	Rock	1.00	<0.01	<0.01	<0.01	<2	1.2	9.6	14.1	101	<0.1	22.9	7.7	384	4.45	3	2.3	<0.1	9.0	43	<0.1
REP 1110684	QC		<0.01	<0.01	<0.01																
1110695	Rock	1.48	<0.01	<0.01	<0.01	<2	0.1	6.6	10.6	38	<0.1	9.1	4.3	309	1.13	3	0.9	<0.1	7.9	44	0.2
REP 1110695	QC						0.2	7.1	10.6	39	<0.1	8.4	4.4	316	1.12	2	0.9	<0.1	7.6	42	0.2
1110700	Rock	2.11	0.15	<0.01	<0.01	<2	0.3	88.0	28.3	8	0.1	28.4	4.6	121	4.15	600	1.3	<0.1	8.3	9	<0.1
REP 1110700	QC					<2															
Core Reject Duplicates																					
1110693	Rock	1.54	<0.01	<0.01	<0.01	<2	0.3	4.0	5.3	11	<0.1	2.1	1.3	64	1.11	2	0.7	<0.1	7.1	9	0.1
DUP 1110693	QC		<0.01	<0.01	<0.01	<2	0.3	3.3	5.6	10	<0.1	2.9	1.4	51	1.05	4	0.8	<0.1	7.6	10	<0.1
Reference Materials																					
STD CDN-PGMS-19	Standard		0.22	0.10	0.51																
STD OREAS24P	Standard						1.4	43.5	2.4	108	<0.1	130.8	41.9	1050	7.15	<1	0.5	<0.1	2.6	357	0.2
STD OREAS45C	Standard						1.9	627.5	21.6	73	0.3	336.5	98.7	1101	18.63	10	2.0	<0.1	9.7	34	0.1
STD PD1	Standard		0.56	0.48	0.60																
STD R4A	Standard					84															
STD R4A	Standard					85															
STD PD1 Expected			0.542	0.456	0.563																
STD CDN-PGMS-19			0.23	0.108	0.476																
STD R4A Expected						86															
STD OREAS24P Expected							1.5	52	2.9	119	0.06	141	44	1100	7.53	1.2	0.75		2.85	403	0.15
STD OREAS45C Expected							2.26	620	24	83	0.28	333	104	1160	18.33	10.1	2.4	0.045	10.2	36.4	0.15
BLK	Blank		<0.01	<0.01	<0.01																
BLK	Blank		<0.01	<0.01	<0.01																
BLK	Blank					<2															
BLK	Blank						<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<0.1	<1	<0.1
Prep Wash																					
G1	Prep Blank		0.02	<0.01	<0.01	<2	0.7	10.0	22.4	53	<0.1	3.5	4.6	783	2.28	111	2.8	<0.1	7.6	734	0.1
G1	Prep Blank		<0.01	<0.01	<0.01	<2	0.3	4.7	19.6	59	<0.1	4.9	5.1	816	2.41	75	2.8	<0.1	7.7	724	0.1



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
		Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta
		ppm 0.1	ppm 0.1	ppm 1	% 0.01	% 0.001	ppm 0.1	ppm 1	% 0.01	ppm 1	% 0.001	% 0.01	% 0.001	% 0.01	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 0.1
Pulp Duplicates																					
1110684	Rock	0.1	<0.1	23	0.03	0.017	17.6	18	1.00	72	0.041	4.77	1.367	0.32	0.1	54.4	36	0.4	4.4	1.3	0.1
REP 1110684	QC																				
1110695	Rock	0.6	<0.1	16	0.35	0.016	15.9	13	0.25	156	0.047	2.56	0.691	0.56	<0.1	48.6	32	0.4	4.4	1.5	0.1
REP 1110695	QC	0.6	<0.1	16	0.35	0.015	15.7	12	0.24	158	0.045	2.50	0.705	0.57	<0.1	50.4	32	0.6	4.4	1.4	0.1
1110700	Rock	83.5	>4000	20	<0.01	0.020	36.5	18	0.10	211	0.038	2.74	0.053	1.34	64.0	39.2	62	5.1	5.2	0.9	<0.1
REP 1110700	QC																				
Core Reject Duplicates																					
1110693	Rock	0.4	<0.1	7	<0.01	0.018	12.2	7	0.06	49	0.035	1.01	0.019	0.15	0.3	36.3	27	0.2	2.3	1.1	<0.1
DUP 1110693	QC	0.3	<0.1	8	<0.01	0.019	13.6	7	0.07	55	0.039	1.09	0.014	0.15	0.3	41.1	29	0.3	2.5	1.4	<0.1
Reference Materials																					
STD CDN-PGMS-19	Standard																				
STD OREAS24P	Standard	<0.1	<0.1	161	5.76	0.128	17.4	190	4.00	257	1.030	7.56	2.426	0.64	0.4	127.1	33	1.4	17.5	17.3	1.0
STD OREAS45C	Standard	0.7	0.1	286	0.48	0.049	25.0	1006	0.23	277	1.181	7.32	0.098	0.35	0.9	164.5	47	2.7	10.5	21.3	1.4
STD PD1	Standard																				
STD R4A	Standard																				
STD R4A	Standard																				
STD PD1 Expected																					
STD CDN-PGMS-19																					
STD R4A Expected																					
STD OREAS24P Expected		0.09		158	5.83	0.136	17.4	196	4.13	285	1.1	7.66	2.34	0.7	0.5	141	37.6	1.6	21.3	21	1.04
STD OREAS45C Expected		0.79	0.21	270	0.482	0.051	26.2	962	0.25	270	1.1313	7.59	0.097	0.36	1.06	169.7	54	2.9	12.9	23.05	1.43
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<1	<0.01	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1
Prep Wash																					
G1	Prep Blank	1.1	0.3	52	2.33	0.088	22.6	6	0.65	1083	0.222	7.58	2.688	3.27	0.2	15.5	47	1.4	13.5	26.0	1.5
G1	Prep Blank	0.4	0.1	52	2.35	0.089	22.8	5	0.68	1116	0.238	7.63	2.712	3.28	0.1	15.2	47	1.6	13.2	25.1	1.5



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Argus Metals Corp.

350-580 Hornby St.

Vancouver BC V6C 3B6 Canada

Project:

Hyland

Report Date:

August 04, 2011

Page:

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Part 3

QUALITY CONTROL REPORT

WHI11000737.1

Method		1EX	1EX	1EX	1EX	1EX	1EX
Analyte		Be	Sc	Li	S	Rb	Hf
Unit		ppm	ppm	ppm	%	ppm	ppm
MDL		1	1	0.1	0.1	0.1	0.1
Pulp Duplicates							
1110684	Rock	<1	3	60.7	<0.1	16.2	2.0
REP 1110684	QC						
1110695	Rock	<1	2	24.8	<0.1	29.1	1.4
REP 1110695	QC	<1	2	26.1	<0.1	28.4	1.4
1110700	Rock	<1	3	3.1	<0.1	51.1	1.0
REP 1110700	QC						
Core Reject Duplicates							
1110693	Rock	<1	1	149.0	<0.1	7.9	1.0
DUP 1110693	QC	<1	1	157.7	<0.1	8.7	1.2
Reference Materials							
STD CDN-PGMS-19	Standard						
STD OREAS24P	Standard	1	19	6.9	<0.1	20.5	3.2
STD OREAS45C	Standard	<1	58	16.1	<0.1	23.4	4.2
STD PD1	Standard						
STD R4A	Standard						
STD R4A	Standard						
STD PD1 Expected							
STD CDN-PGMS-19							
STD R4A Expected							
STD OREAS24P Expected			20	8.7		22.4	3.6
STD OREAS45C Expected			59.03	15.69	0.021	24	4.27
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank	<1	<1	<0.1	<0.1	<0.1	<0.1
Prep Wash							
G1	Prep Blank	4	5	36.2	<0.1	127.2	0.9
G1	Prep Blank	3	5	36.9	<0.1	120.1	0.9



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Argus Metals Corp.

Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6 Canada

Submitted By: Michael Collins

Receiving Lab: Canada-Whitehorse

Received: August 12, 2011

Report Date: October 11, 2011

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CERTIFICATE OF ANALYSIS

WHI11001085.1

CLIENT JOB INFORMATION

Project: Hyland
Shipment ID: AML-2011-S-024
P.O. Number
Number of Samples: 20

SAMPLE DISPOSAL

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

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

Invoice To: Argus Metals Corp.
Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Paul Gray

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	10	Crush split and pulverize 250g drill core to 200 mesh			WHI
P200	10	Pulverize to 85% - 200 mesh			VAN
G608	10	Lead collection fire assay fusion - ICP-ES finish + 7AR Ag	30	Completed	VAN
1EX	10	4 Acid digestion ICP-MS analysis	0.25	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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Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6 Canada

Project:

Hyland

Report Date:

October 11, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11001085.1

	Method Analyte Unit MDL	WGHT	G6	G6	G6	7AR	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
		Wgt	Au	Pt	Pd	Ag	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		kg	gm/t	gm/t	gm/t	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1
1110711	Rock	1.62	0.02	<0.01	<0.01	<2	0.8	5.6	5.7	4	<0.1	3.2	1.4	82	1.72	686	1.2	<0.1	5.7	17
1110712	Rock	3.19	<0.01	<0.01	<0.01	<2	0.2	10.7	9.2	8	<0.1	6.0	2.8	162	1.60	164	0.6	<0.1	4.2	26
1110713	Rock	2.22	<0.01	<0.01	<0.01	<2	0.2	19.0	4.9	5	<0.1	6.3	2.0	87	2.07	279	1.4	<0.1	9.7	10
1110714	Rock	1.38	<0.01	<0.01	<0.01	<2	0.4	4.4	4.2	6	<0.1	14.6	5.3	172	3.47	347	1.5	<0.1	9.4	13
1110715	Rock	3.26	0.02	<0.01	<0.01	<2	0.3	8.9	5.5	7	<0.1	4.7	1.5	86	2.93	241	0.8	<0.1	7.4	9
1110716	Rock	1.78	<0.01	<0.01	<0.01	<2	0.2	4.3	2.0	5	<0.1	3.4	0.7	66	0.74	6	1.2	<0.1	9.0	8
1110717	Rock	1.74	<0.01	<0.01	<0.01	<2	0.2	63.8	5.2	8	<0.1	9.2	3.8	460	1.84	28	2.1	<0.1	8.6	27
1110718	Rock	2.65	<0.01	<0.01	<0.01	<2	0.3	18.8	37.3	35	<0.1	10.5	2.7	114	1.86	3	0.9	<0.1	6.0	46
1110719	Rock	3.30	<0.01	<0.01	<0.01	<2	0.4	10.3	7.7	10	0.1	1.9	0.7	76	1.55	23	1.4	<0.1	8.8	25
1110720	Rock	2.24	<0.01	<0.01	<0.01	<2	0.4	29.3	24.1	91	<0.1	26.3	6.4	188	4.51	3	2.2	<0.1	12.0	29
1110721	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110722	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110723	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110724	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110725	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110726	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110727	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110728	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110729	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110730	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6 Canada

Project: Hyland
Report Date: October 11, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

WHI11001085.1

	Method	Analyte	Unit	MDL	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
					Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce
					ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm
					0.1	0.1	1	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1
1110711	Rock				1.1	21.8	23	0.05	0.010	22.9	22	0.14	240	0.073	2.91	0.077	1.33	1.9	27.4	42
1110712	Rock				1.1	1.8	11	0.06	0.010	9.3	13	0.10	104	0.040	1.40	0.120	0.53	0.3	11.6	17
1110713	Rock				2.2	4.7	24	0.02	0.018	20.2	23	0.14	199	0.069	2.84	0.062	1.27	1.7	44.8	37
1110714	Rock				1.1	1.8	25	0.19	0.024	21.3	22	0.12	190	0.057	3.13	0.097	1.16	0.8	39.7	39
1110715	Rock				2.2	17.7	18	0.01	0.022	17.7	16	0.12	127	0.047	2.48	0.052	1.09	1.0	28.5	32
1110716	Rock				0.5	0.3	10	<0.01	0.006	14.9	9	0.13	105	0.043	1.62	0.043	0.56	0.4	33.8	28
1110717	Rock				1.0	0.4	23	0.02	0.020	14.0	20	0.14	320	0.065	2.95	0.133	1.27	1.5	34.1	25
1110718	Rock				0.1	0.2	8	0.01	0.022	7.7	9	0.22	49	0.028	1.33	0.366	0.18	0.2	12.1	14
1110719	Rock				1.8	0.3	17	0.01	0.034	17.3	15	0.07	146	0.060	1.70	0.046	0.55	0.3	22.4	33
1110720	Rock				0.3	0.2	41	0.01	0.031	21.8	29	0.80	259	0.096	5.19	0.054	1.16	0.4	44.7	39
1110721	Rock				L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110722	Rock				L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110723	Rock				L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110724	Rock				L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110725	Rock				L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110726	Rock				L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110727	Rock				L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110728	Rock				L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110729	Rock				L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110730	Rock				L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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Project: Hyland
Report Date: October 11, 2011

Page: 2 of 2 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11001085.1

	Method Analyte Unit MDL	1EX	1EX	1EX	1EX	1EX	1EX
		Be	Sc	Li	S	Rb	Hf
		ppm	ppm	ppm	%	ppm	ppm
		1	1	0.1	0.1	0.1	0.1
1110711	Rock	<1	3	3.1	<0.1	62.6	0.8
1110712	Rock	<1	2	3.4	<0.1	26.6	0.3
1110713	Rock	<1	3	4.1	<0.1	62.8	1.3
1110714	Rock	<1	3	7.2	<0.1	60.3	1.1
1110715	Rock	<1	3	4.9	<0.1	50.6	0.8
1110716	Rock	<1	1	10.1	<0.1	29.0	1.0
1110717	Rock	<1	3	7.1	<0.1	63.8	1.1
1110718	Rock	<1	1	13.9	<0.1	11.2	0.3
1110719	Rock	<1	2	32.8	<0.1	33.1	0.7
1110720	Rock	1	6	66.6	<0.1	73.1	1.3
1110721	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110722	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110723	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110724	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110725	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110726	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110727	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110728	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110729	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1110730	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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Project:

Hyland

Report Date:

October 11, 2011

Page:

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Part 1

QUALITY CONTROL REPORT

WHI11001085.1

	Method Analyte Unit MDL	WGHT	G6	G6	G6	7AR	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
		Wgt	Au	Pt	Pd	Ag	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
		kg	gm/t	gm/t	gm/t	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1
Pulp Duplicates																					
1110715	Rock	3.26	0.02	<0.01	<0.01	<2	0.3	8.9	5.5	7	<0.1	4.7	1.5	86	2.93	241	0.8	<0.1	7.4	9	<0.1
REP 1110715	QC						0.2	9.4	5.6	8	<0.1	4.8	1.5	93	2.81	243	0.8	<0.1	7.3	10	<0.1
Core Reject Duplicates																					
1110727	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
DUP 1110727	QC	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
Reference Materials																					
STD CDN-PGMS-19	Standard	0.23		0.11	0.48																
STD OREAS153AR	Standard	<2																			
STD OREAS131B-A	Standard	35																			
STD OREAS24P	Standard						1.6	55.6	3.8	127	<0.1	143.3	47.7	1113	7.35	1	0.9	<0.1	3.3	401	0.3
STD OREAS45C	Standard						2.2	597.5	29.3	86	0.3	314.5	104.2	1174	17.69	14	2.8	<0.1	12.9	44	0.4
STD PD1	Standard	0.54		0.46	0.57																
STD R4A	Standard	91																			
STD PD1 Expected		0.542		0.456	0.563																
STD CDN-PGMS-19		0.23		0.108	0.476																
STD OREAS24P Expected							1.5	52	2.9	119	0.06	141	44	1100	7.53	1.2	0.75		2.85	403	0.15
STD OREAS45C Expected							2.26	620	24	83	0.28	333	104	1160	18.33	10.1	2.4	0.045	10.2	36.4	0.15
STD R4A Expected		86																			
STD OREAS131B-A		32.1																			
BLK	Blank	<0.01		<0.01	<0.01																
BLK	Blank	<0.01		<0.01	<0.01																
BLK	Blank						<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<0.1	<0.1	
BLK	Blank	<2																			
Prep Wash																					
G1	Prep Blank	<0.01		<0.01	<0.01	<2	0.3	2.9	24.1	53	<0.1	4.5	4.5	734	2.32	<1	4.0	<0.1	12.8	765	<0.1
G1	Prep Blank	<0.01		<0.01	<0.01	<2	0.6	3.3	24.5	55	<0.1	7.7	5.1	750	2.39	<1	4.3	<0.1	13.3	761	<0.1



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Part 2

QUALITY CONTROL REPORT

WHI11001085.1

	Method Analyte Unit MDL	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
		Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta
		ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	1	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1
Pulp Duplicates																					
1110715	Rock	2.2	17.7	18	0.01	0.022	17.7	16	0.12	127	0.047	2.48	0.052	1.09	1.0	28.5	32	4.8	3.3	1.0	<0.1
REP 1110715	QC	2.4	17.7	18	0.01	0.021	18.0	19	0.12	129	0.050	2.38	0.053	1.04	1.0	30.0	32	5.2	3.4	1.2	<0.1
Core Reject Duplicates																					
1110727	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
DUP 1110727	QC	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
Reference Materials																					
STD CDN-PGMS-19	Standard																				
STD OREAS153AR	Standard																				
STD OREAS131B-A	Standard																				
STD OREAS24P	Standard	0.2	<0.1	147	5.72	0.145	20.3	200	3.97	301	1.028	7.60	2.321	0.68	0.5	141.9	41	2.0	27.2	20.3	1.2
STD OREAS45C	Standard	1.0	0.3	256	0.47	0.057	31.3	783	0.28	292	1.154	7.21	0.097	0.34	1.1	164.0	54	3.2	14.9	22.1	1.5
STD PD1	Standard																				
STD R4A	Standard																				
STD PD1 Expected																					
STD CDN-PGMS-19																					
STD OREAS24P Expected		0.09		158	5.83	0.136	17.4	196	4.13	285	1.1	7.66	2.34	0.7	0.5	141	37.6	1.6	21.3	21	1.04
STD OREAS45C Expected		0.79	0.21	270	0.482	0.051	26.2	962	0.25	270	1.1313	7.59	0.097	0.36	1.06	169.7	54	2.9	12.9	23.05	1.43
STD R4A Expected																					
STD OREAS131B-A																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<1	<0.01	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.1	0.2	46	2.33	0.090	39.1	8	0.60	884	0.262	7.22	2.704	2.98	0.2	11.6	69	1.8	18.5	23.6	1.4
G1	Prep Blank	<0.1	0.1	47	2.23	0.093	43.0	15	0.65	879	0.271	7.08	2.633	2.97	0.1	11.4	71	1.7	18.5	22.9	1.4



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Part 3

QUALITY CONTROL REPORT

WHI11001085.1

		Method	1EX	1EX	1EX	1EX	1EX	1EX
		Analyte	Be	Sc	Li	S	Rb	Hf
		Unit	ppm	ppm	ppm	%	ppm	ppm
		MDL	1	1	0.1	0.1	0.1	0.1
Pulp Duplicates								
1110715	Rock		<1	3	4.9	<0.1	50.6	0.8
REP 1110715	QC		<1	3	4.6	<0.1	51.2	0.8
Core Reject Duplicates								
1110727	Rock		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
DUP 1110727	QC		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
Reference Materials								
STD CDN-PGMS-19	Standard							
STD OREAS153AR	Standard							
STD OREAS131B-A	Standard							
STD OREAS24P	Standard		1	20	8.0	<0.1	26.3	3.9
STD OREAS45C	Standard		1	57	15.8	<0.1	27.5	4.3
STD PD1	Standard							
STD R4A	Standard							
STD PD1 Expected								
STD CDN-PGMS-19								
STD OREAS24P Expected				20	8.7		22.4	3.6
STD OREAS45C Expected				59.03	15.69	0.021	24	4.27
STD R4A Expected								
STD OREAS131B-A								
BLK	Blank							
BLK	Blank							
BLK	Blank		<1	<1	<0.1	<0.1	<0.1	<0.1
BLK	Blank							
Prep Wash								
G1	Prep Blank		2	5	33.3	<0.1	145.3	0.7
G1	Prep Blank		2	5	33.9	<0.1	153.7	0.7



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Submitted By: Michael Collins
Receiving Lab: Canada-Whitehorse
Received: August 04, 2011
Report Date: August 31, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11000923.1

CLIENT JOB INFORMATION

Project: IKE
Shipment ID: AML-2011-S-019
P.O. Number
Number of Samples: 6

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: Argus Metals Corp.
Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Paul Gray

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	6	Crush, split and pulverize 250 g rock to 200 mesh			WHI
G608	6	Lead collection fire assay fusion - ICP-ES finish + 7AR Ag	30	Completed	VAN
1EX	6	4 Acid digestion ICP-MS analysis	0.25	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: IKE
Report Date: August 31, 2011

Page: 2 of 2 **Part** 1

CERTIFICATE OF ANALYSIS

WHI11000923.1

	Method Analyte Unit MDL	WGHT	G6	G6	G6	7AR	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
		Wgt	Au	Pt	Pd	Ag	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		kg	gm/t	gm/t	gm/t	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1
1110705	Rock	3.39	<0.01	<0.01	<0.01	<2	0.3	23.2	31.8	80	<0.1	37.7	20.3	502	5.14	139	4.2	<0.1	26.7	74
1110706	Rock	2.24	0.07	<0.01	<0.01	<2	0.4	7.1	3.9	21	<0.1	10.3	3.6	122	1.19	41	0.3	<0.1	2.4	19
1110707	Rock	1.20	<0.01	<0.01	<0.01	<2	0.4	27.9	31.3	35	0.2	32.0	15.4	572	4.29	26	3.3	<0.1	23.5	198
1110708	Rock	1.03	<0.01	<0.01	<0.01	<2	0.2	2.7	14.3	11	<0.1	1.7	0.5	274	0.32	<1	1.0	<0.1	0.5	1253
1110709	Rock	1.70	<0.01	<0.01	<0.01	<2	0.3	8.3	21.9	30	<0.1	8.6	2.7	147	1.75	17	2.3	<0.1	23.7	91
1110710	Rock	1.72	<0.01	<0.01	<0.01	<2	0.4	11.1	11.0	50	<0.1	33.7	17.6	491	5.59	16	2.7	<0.1	18.3	112



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CERTIFICATE OF ANALYSIS

WHI11000923.1

	Method Analyte Unit MDL	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
		Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta
		ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	1	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1
1110705	Rock	0.5	0.7	84	0.09	0.048	63.7	96	0.87	771	0.497	12.88	0.546	4.23	2.5	18.8	132	4.0	32.6	24.8	1.4
1110706	Rock	0.6	0.4	9	0.07	0.016	5.5	26	0.26	72	0.066	1.14	0.176	0.37	0.3	2.0	11	0.5	3.3	2.6	0.2
1110707	Rock	0.7	0.6	121	2.66	0.033	53.7	105	1.21	1761	0.512	11.24	0.390	3.52	5.3	29.7	108	3.5	26.2	17.5	1.2
1110708	Rock	2.1	<0.1	2	32.93	0.027	3.6	14	0.47	117	0.005	0.26	0.005	0.07	0.2	1.3	6	<0.1	3.0	0.3	<0.1
1110709	Rock	0.5	0.2	43	0.25	0.029	38.7	35	0.27	726	0.282	6.71	1.167	2.27	2.3	15.1	81	3.1	14.3	10.1	0.6
1110710	Rock	0.3	0.3	100	0.11	0.043	38.4	101	1.22	932	0.534	11.36	0.518	3.01	2.3	18.8	68	4.3	21.0	21.5	1.5



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Page: 2 of 2 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11000923.1

	Method Analyte Unit MDL	1EX	1EX	1EX	1EX	1EX	1EX
		Be	Sc	Li	S	Rb	Hf
		ppm	ppm	ppm	%	ppm	ppm
		1	1	0.1	0.1	0.1	0.1
1110705	Rock	2	21	77.4	<0.1	140.8	0.5
1110706	Rock	<1	1	14.7	<0.1	26.4	<0.1
1110707	Rock	2	20	52.7	0.4	127.8	0.8
1110708	Rock	<1	<1	1.7	<0.1	2.5	<0.1
1110709	Rock	<1	9	19.4	<0.1	94.9	0.4
1110710	Rock	2	22	73.5	<0.1	107.0	0.6



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Part 1

QUALITY CONTROL REPORT

WHI11000923.1

	Method Analyte Unit MDL	WGHT	G6	G6	G6	7AR	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
		Wgt	Au	Pt	Pd	Ag	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
		kg	gm/t	gm/t	gm/t	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1
Pulp Duplicates																					
1110708	Rock	1.03	<0.01	<0.01	<0.01	<2	0.2	2.7	14.3	11	<0.1	1.7	0.5	274	0.32	<1	1.0	<0.1	0.5	1253	<0.1
REP 1110708	QC					<2															
Reference Materials																					
STD CDN-PGMS-19	Standard		0.23	0.11	0.50																
STD OREAS153AR	Standard					<2															
STD OREAS24P	Standard						1.7	51.6	2.5	114	<0.1	144.0	48.5	1061	7.04	7	0.8	<0.1	3.1	381	0.1
STD OREAS45C	Standard						2.1	577.9	25.5	73	0.2	311.3	98.8	1145	16.89	12	2.8	<0.1	12.5	38	0.2
STD PD1	Standard		0.57	0.50	0.59																
STD R4A	Standard					86															
STD PD1 Expected			0.542	0.456	0.563																
STD CDN-PGMS-19			0.23	0.108	0.476																
STD R4A Expected						86															
STD OREAS24P Expected							1.5	52	2.9	119	0.06	141	44	1100	7.53	1.2	0.75		2.85	403	0.15
STD OREAS45C Expected							2.26	620	24	83	0.28	333	104	1160	18.33	10.1	2.4	0.045	10.2	36.4	0.15
BLK	Blank		<0.01	<0.01	<0.01																
BLK	Blank		<0.01	<0.01	<0.01																
BLK	Blank					<2															
BLK	Blank						<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<0.1	<1	<0.1
Prep Wash																					
G1	Prep Blank		<0.01	<0.01	<0.01	<2	0.3	4.4	21.6	53	<0.1	2.7	4.8	768	2.43	50	3.1	<0.1	10.8	782	<0.1



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Part 2

QUALITY CONTROL REPORT

WHI11000923.1

	Method Analyte Unit MDL	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
		Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta
		ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	1	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1
Pulp Duplicates																					
1110708	Rock	2.1	<0.1	2	32.93	0.027	3.6	14	0.47	117	0.005	0.26	0.005	0.07	0.2	1.3	6	<0.1	3.0	0.3	<0.1
REP 1110708	QC																				
Reference Materials																					
STD CDN-PGMS-19	Standard																				
STD OREAS153AR	Standard																				
STD OREAS24P	Standard	0.3	0.2	149	5.50	0.124	18.9	184	3.99	259	1.007	7.41	2.388	0.62	0.4	136.3	36	1.7	25.7	19.1	1.1
STD OREAS45C	Standard	1.0	0.3	250	0.47	0.052	27.3	832	0.26	267	1.185	7.16	0.118	0.33	1.0	159.1	52	2.9	14.9	21.4	1.4
STD PD1	Standard																				
STD R4A	Standard																				
STD PD1 Expected																					
STD CDN-PGMS-19																					
STD R4A Expected																					
STD OREAS24P Expected		0.09		158	5.83	0.136	17.4	196	4.13	285	1.1	7.66	2.34	0.7	0.5	141	37.6	1.6	21.3	21	1.04
STD OREAS45C Expected		0.79	0.21	270	0.482	0.051	26.2	962	0.25	270	1.1313	7.59	0.097	0.36	1.06	169.7	54	2.9	12.9	23.05	1.43
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<1	<0.01	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1
Prep Wash																					
G1	Prep Blank	0.3	0.5	45	2.56	0.083	30.0	10	0.59	1103	0.271	9.12	2.775	3.24	0.1	12.1	63	1.7	18.1	25.5	1.3



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Part 3

QUALITY CONTROL REPORT

WHI11000923.1

		Method	1EX	1EX	1EX	1EX	1EX	1EX
		Analyte	Be	Sc	Li	S	Rb	Hf
		Unit	ppm	ppm	ppm	%	ppm	ppm
		MDL	1	1	0.1	0.1	0.1	0.1
Pulp Duplicates								
1110708	Rock		<1	<1	1.7	<0.1	2.5	<0.1
REP 1110708	QC							
Reference Materials								
STD CDN-PGMS-19	Standard							
STD OREAS153AR	Standard							
STD OREAS24P	Standard		1	20	7.0	<0.1	21.2	3.0
STD OREAS45C	Standard		1	59	16.3	<0.1	23.7	4.2
STD PD1	Standard							
STD R4A	Standard							
STD PD1 Expected								
STD CDN-PGMS-19								
STD R4A Expected								
STD OREAS24P Expected				20	8.7		22.4	3.6
STD OREAS45C Expected				59.03	15.69	0.021	24	4.27
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank		<1	<1	<0.1	<0.1	<0.1	<0.1
Prep Wash								
G1	Prep Blank		3	6	33.2	<0.1	131.7	0.6



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Argus Metals Corp.**
Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6 Canada

Submitted By: Michael Collins
Receiving Lab: Canada-Whitehorse
Received: September 20, 2011
Report Date: November 29, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11001733.1

CLIENT JOB INFORMATION

Project: TINA
Shipment ID: AML-2011-S-052
P.O. Number
Number of Samples: 22

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: Argus Metals Corp.
Suite 350 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Quartz Camp

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	21	Crush, split and pulverize 250 g rock to 200 mesh			VAN
G601	21	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1EX	22	4 Acid digestion ICP-MS analysis	0.25	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:

TINA

Report Date:

November 29, 2011

Page:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11001733.1

	Method Analyte Unit MDL	WGHT	G6	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1
1110745 AML-STD	Rock Pulp		0.039	2.2	522.6	29.1	195	0.1	278.9	85.0	1020	17.34	12	2.5	<0.1	11.8	34	0.1	0.8	0.3
1110746	Rock	2.63	0.006	<0.1	<0.1	0.5	<1	<0.1	0.1	<0.2	300	0.16	3	<0.1	<0.1	<0.1	253	<0.1	0.3	<0.1
1110747	Rock	3.10	0.011	<0.1	3.8	3.4	8	<0.1	1.1	1.2	250	0.43	27	1.4	<0.1	1.9	341	<0.1	4.8	<0.1
1110748	Rock	2.09	0.023	0.1	6.4	12.4	7	<0.1	2.9	0.5	31	0.60	126	1.0	<0.1	9.1	13	<0.1	2.0	0.1
1110749	Rock	2.26	0.011	0.1	2.6	2.7	7	<0.1	1.4	0.2	28	0.71	118	0.3	<0.1	3.4	6	<0.1	12.5	<0.1
1110750	Rock	2.69	0.006	<0.1	9.9	2.0	10	<0.1	8.8	3.5	81	0.62	5	0.4	<0.1	1.6	9	<0.1	0.5	0.1
1110751	Rock	2.65	0.005	0.2	2.6	6.2	9	<0.1	3.0	1.2	144	0.57	3	0.3	<0.1	1.6	20	<0.1	0.5	0.3
1110752	Rock	2.20	0.007	0.2	8.0	6.0	10	<0.1	30.4	14.3	1020	3.04	91	1.4	<0.1	8.9	81	<0.1	3.9	0.4
1110753	Rock	1.66	<0.005	0.1	34.8	12.3	33	<0.1	15.6	5.3	595	1.50	6	0.8	<0.1	3.9	21	<0.1	0.7	<0.1
1110754	Rock	2.77	<0.005	<0.1	13.3	3.0	13	<0.1	4.4	1.1	103	0.91	26	0.7	<0.1	4.2	6	<0.1	0.5	0.3
1110755	Rock	3.20	0.006	0.1	6.0	2.8	5	<0.1	2.6	0.8	85	0.88	57	0.7	<0.1	5.0	8	<0.1	0.5	<0.1
1110756	Rock	3.48	<0.005	0.2	6.1	7.2	14	<0.1	5.1	2.3	961	1.83	8	0.2	<0.1	1.1	102	<0.1	0.4	0.1
1110757	Rock	2.19	<0.005	0.4	3.3	4.8	17	<0.1	46.1	12.5	7711	5.01	66	0.5	<0.1	4.5	230	0.2	0.8	0.1
1110801	Rock	2.28	0.006	0.2	4.0	4.8	15	<0.1	6.3	2.6	221	0.89	3	0.3	<0.1	1.1	10	<0.1	0.3	<0.1
1110802	Rock	3.23	0.009	<0.1	<0.1	0.4	<1	<0.1	<0.1	0.2	281	0.24	6	0.1	<0.1	0.1	163	<0.1	0.4	<0.1
1110803	Rock	1.94	<0.005	<0.1	0.8	4.4	1	<0.1	<0.1	0.4	78	0.13	10	0.2	<0.1	0.2	120	<0.1	0.7	<0.1
1110804	Rock	2.01	<0.005	0.7	23.0	28.6	70	<0.1	7.1	2.1	127	4.32	7	3.1	<0.1	14.4	50	<0.1	0.9	0.3
1110805	Rock	3.72	0.008	0.4	43.9	32.3	49	<0.1	33.4	13.8	348	3.04	1	4.0	<0.1	23.6	164	<0.1	37.5	0.5
1110806	Rock	2.24	<0.005	0.2	3.4	0.6	2	<0.1	2.0	0.5	25	0.58	51	0.1	<0.1	1.1	3	<0.1	0.5	<0.1
1110807	Rock	1.94	<0.005	0.1	4.5	4.6	16	<0.1	5.2	2.4	104	0.94	7	0.6	<0.1	3.0	49	<0.1	0.8	<0.1
1110808	Rock	2.19	<0.005	0.2	16.3	11.0	43	<0.1	6.6	3.8	158	2.74	8	0.9	<0.1	7.2	43	<0.1	0.6	0.1
1110809	Rock	2.75	<0.005	0.1	7.3	25.7	18	<0.1	7.7	6.6	1380	2.56	10	1.4	<0.1	3.4	631	<0.1	0.3	0.2



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November 29, 2011

Page:

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Part 2

CERTIFICATE OF ANALYSIS

WHI11001733.1

	Method Analyte Unit MDL	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
		Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc
		%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1
1110745 AML-STD	Rock Pulp	0.30	0.059	30.0	803	0.24	249	1.354	8.00	0.077	0.32	1.2	191.1	60	3.6	13.5	27.5	1.8	<1	54
1110746	Rock	38.79	0.001	5.7	<1	0.15	13	<0.001	0.03	0.004	<0.01	<0.1	0.3	8	<0.1	1.8	<0.1	<0.1	<1	<1
1110747	Rock	36.44	0.042	9.6	5	0.17	70	0.054	1.17	0.044	0.28	0.4	11.0	16	0.3	11.7	1.9	0.1	<1	2
1110748	Rock	0.08	0.011	13.6	6	0.05	79	0.036	1.91	0.016	0.64	0.6	31.6	31	0.5	3.0	1.0	<0.1	<1	1
1110749	Rock	<0.01	0.010	5.1	6	0.02	24	0.013	0.69	0.008	0.20	0.2	8.2	11	0.2	1.4	0.3	<0.1	<1	<1
1110750	Rock	0.02	0.012	4.4	3	0.03	30	0.022	0.65	0.006	0.24	0.2	13.3	10	0.5	1.9	1.6	<0.1	<1	<1
1110751	Rock	0.48	0.006	8.1	7	0.02	30	0.024	0.55	0.014	0.21	<0.1	12.5	17	0.2	2.8	0.8	<0.1	<1	<1
1110752	Rock	3.96	0.122	44.5	141	0.46	461	0.558	5.99	0.104	2.80	1.1	46.8	87	1.7	14.4	26.3	1.3	1	16
1110753	Rock	0.14	0.033	9.7	15	0.19	110	0.053	1.83	0.028	0.67	0.1	13.9	19	0.5	3.1	1.6	0.1	<1	2
1110754	Rock	<0.01	0.011	9.2	5	0.09	85	0.031	1.26	0.012	0.46	0.2	16.8	20	0.7	2.5	0.8	<0.1	<1	1
1110755	Rock	0.17	0.012	10.2	9	0.05	103	0.031	1.37	0.013	0.56	0.1	21.6	22	0.5	3.3	1.0	<0.1	<1	1
1110756	Rock	2.36	0.014	3.4	5	0.68	83	0.014	0.95	0.019	0.41	<0.1	5.9	7	0.3	5.4	0.5	<0.1	<1	1
1110757	Rock	9.55	0.082	24.3	58	0.88	197	0.187	3.45	0.042	1.13	0.5	24.5	49	0.7	12.9	12.9	0.5	2	8
1110801	Rock	0.09	0.011	2.2	2	0.03	29	0.009	0.45	0.073	0.13	0.1	7.1	5	<0.1	2.0	0.4	<0.1	<1	<1
1110802	Rock	37.86	<0.001	3.0	<1	0.12	8	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	7	<0.1	5.1	<0.1	<0.1	<1	<1
1110803	Rock	37.82	0.031	2.3	<1	0.04	6	0.005	0.07	<0.001	0.02	<0.1	1.8	3	<0.1	4.2	0.2	<0.1	<1	<1
1110804	Rock	0.08	0.026	35.4	46	0.89	513	0.168	6.42	0.557	2.71	0.4	92.2	77	2.1	8.3	4.6	0.3	2	10
1110805	Rock	1.44	0.036	57.9	72	1.08	1313	0.507	11.20	0.412	4.79	5.2	40.3	122	5.0	26.9	22.1	1.4	3	17
1110806	Rock	0.04	0.002	0.7	5	<0.01	2	0.002	0.08	0.013	0.02	<0.1	0.2	1	<0.1	0.3	<0.1	<0.1	<1	<1
1110807	Rock	0.20	0.069	13.0	6	0.12	47	0.059	1.75	0.505	0.26	0.3	4.3	28	0.4	6.6	1.8	<0.1	1	1
1110808	Rock	0.03	0.031	20.4	25	0.37	150	0.116	3.18	0.219	0.90	0.4	11.1	33	1.0	4.2	3.6	0.2	1	5
1110809	Rock	24.93	0.049	12.6	7	0.84	53	0.036	1.57	0.423	0.29	0.3	13.8	29	0.4	15.2	1.1	<0.1	<1	2



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Project: TINA
Report Date: November 29, 2011

Page: 2 of 2 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11001733.1

	Method	1EX	1EX	1EX
	Analyte	S	Rb	Hf
	Unit	%	ppm	ppm
	MDL	0.1	0.1	0.1
1110745 AML-STD	Rock Pulp	<0.1	21.9	5.0
1110746	Rock	<0.1	0.3	<0.1
1110747	Rock	<0.1	14.1	0.3
1110748	Rock	<0.1	45.3	0.9
1110749	Rock	<0.1	13.4	0.3
1110750	Rock	<0.1	9.7	0.5
1110751	Rock	<0.1	8.0	0.3
1110752	Rock	<0.1	127.9	1.2
1110753	Rock	<0.1	25.4	0.4
1110754	Rock	<0.1	19.8	0.5
1110755	Rock	<0.1	23.7	0.7
1110756	Rock	<0.1	18.4	0.2
1110757	Rock	<0.1	55.8	0.3
1110801	Rock	<0.1	6.1	0.2
1110802	Rock	<0.1	<0.1	<0.1
1110803	Rock	<0.1	0.6	<0.1
1110804	Rock	<0.1	121.1	2.6
1110805	Rock	0.8	142.6	1.1
1110806	Rock	<0.1	0.8	<0.1
1110807	Rock	<0.1	13.2	<0.1
1110808	Rock	<0.1	46.7	0.4
1110809	Rock	<0.1	12.7	0.4



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Project:

TINA

Report Date:

November 29, 2011

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Part 1

QUALITY CONTROL REPORT

WHI11001733.1

	Method Analyte Unit MDL	WGHT	G6	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	0.1	1	0.1	0.1	0.1
Pulp Duplicates																					
1110803	Rock	1.94	<0.005	<0.1	0.8	4.4	1	<0.1	<0.1	0.4	78	0.13	10	0.2	<0.1	0.2	120	<0.1	0.7	<0.1	1
REP 1110803	QC			<0.1	0.8	4.7	<1	<0.1	0.4	0.3	77	0.11	9	0.2	<0.1	0.2	125	<0.1	0.7	<0.1	1
1110809	Rock	2.75	<0.005	0.1	7.3	25.7	18	<0.1	7.7	6.6	1380	2.56	10	1.4	<0.1	3.4	631	<0.1	0.3	0.2	7
REP 1110809	QC	<0.005																			
Core Reject Duplicates																					
1110747	Rock	3.10	0.011	<0.1	3.8	3.4	8	<0.1	1.1	1.2	250	0.43	27	1.4	<0.1	1.9	341	<0.1	4.8	<0.1	11
DUP 1110747	QC	0.009		<0.1	3.8	3.4	9	<0.1	1.1	1.0	235	0.53	28	1.1	<0.1	1.8	241	0.1	5.5	<0.1	10
Reference Materials																					
STD OREAS24P	Standard			1.4	46.0	3.0	113	<0.1	135.4	43.3	1055	7.20	2	0.7	<0.1	2.7	390	<0.1	<0.1	<0.1	152
STD OREAS45C	Standard			2.0	620.0	27.0	78	0.1	324.5	99.2	1125	18.10	11	2.4	<0.1	11.1	41	0.2	0.7	0.3	270
STD OXH82	Standard	1.252																			
STD OXH82	Standard	1.294																			
STD OXK79	Standard	3.806																			
STD OXK79	Standard	3.475																			
STD OREAS24P Expected				1.5	52	2.9	119	0.06	141	44	1100	7.53	1.2	0.75	2.85		403	0.15	0.09	158	
STD OREAS45C Expected				2.26	620	24	83	0.28	333	104	1160	18.33	10.1	2.4	0.045	10.2	36.4	0.15	0.79	0.21	270
STD OXH82 Expected		1.278																			
STD OXK79 Expected		3.532																			
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	0.005																			
Prep Wash																					
G1	Prep Blank	<0.01	<0.005	0.2	2.0	21.7	50	<0.1	2.9	4.3	735	2.11	<1	2.3	<0.1	7.0	772	<0.1	<0.1	0.1	46
G1	Prep Blank	<0.01	<0.005	0.2	2.1	22.0	53	<0.1	2.7	4.1	738	2.15	1	2.7	<0.1	8.0	804	<0.1	<0.1	0.1	45



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Project:

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November 29, 2011

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Part 2

QUALITY CONTROL REPORT

WHI11001733.1

	Method Analyte Unit MDL	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
		Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li
		%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1
Pulp Duplicates																					
1110803	Rock	37.82	0.031	2.3	<1	0.04	6	0.005	0.07	<0.001	0.02	<0.1	1.8	3	<0.1	4.2	0.2	<0.1	<1	<1	0.4
REP 1110803	QC	38.26	0.030	2.6	<1	0.04	7	0.006	0.08	<0.001	0.02	<0.1	2.1	3	<0.1	4.3	0.2	<0.1	<1	<1	0.5
1110809	Rock	24.93	0.049	12.6	7	0.84	53	0.036	1.57	0.423	0.29	0.3	13.8	29	0.4	15.2	1.1	<0.1	<1	2	10.1
REP 1110809	QC																				
Core Reject Duplicates																					
1110747	Rock	36.44	0.042	9.6	5	0.17	70	0.054	1.17	0.044	0.28	0.4	11.0	16	0.3	11.7	1.9	0.1	<1	2	4.6
DUP 1110747	QC	35.14	0.039	8.8	5	0.14	69	0.045	1.14	0.040	0.27	0.5	10.5	14	0.3	8.5	2.0	0.1	<1	2	4.3
Reference Materials																					
STD OREAS24P	Standard	5.91	0.135	18.0	183	4.03	279	1.179	7.79	2.462	0.69	0.4	130.0	39	1.7	22.3	18.5	1.1	<1	20	8.2
STD OREAS45C	Standard	0.45	0.051	25.9	898	0.24	286	1.188	7.49	0.096	0.36	1.1	162.4	52	2.9	13.5	22.6	1.4	1	60	17.0
STD OXH82	Standard																				
STD OXH82	Standard																				
STD OXK79	Standard																				
STD OXK79	Standard																				
STD OREAS24P Expected		5.83	0.136	17.4	196	4.13	285	1.1	7.66	2.34	0.7	0.5	141	37.6	1.6	21.3	21	1.04		20	8.7
STD OREAS45C Expected		0.482	0.051	26.2	962	0.25	270	1.1313	7.59	0.097	0.36	1.06	169.7	54	2.9	12.9	23.05	1.43		59.03	15.69
STD OXH82 Expected																					
STD OXK79 Expected																					
BLK	Blank	<0.01	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	2.41	0.076	20.3	3	0.54	1277	0.241	7.36	2.867	3.27	1.5	11.1	51	1.6	13.9	24.5	1.3	3	4	34.0
G1	Prep Blank	2.45	0.072	25.2	3	0.55	1301	0.238	7.60	2.867	3.46	0.1	10.7	58	1.6	14.2	25.7	1.4	3	4	34.5



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Report Date:

November 29, 2011

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Part 3

QUALITY CONTROL REPORT

WHI11001733.1

Method		1EX	1EX	1EX
Analyte		S	Rb	Hf
Unit		%	ppm	ppm
MDL		0.1	0.1	0.1
Pulp Duplicates				
1110803	Rock	<0.1	0.6	<0.1
REP 1110803	QC	<0.1	0.7	<0.1
1110809	Rock	<0.1	12.7	0.4
REP 1110809	QC			
Core Reject Duplicates				
1110747	Rock	<0.1	14.1	0.3
DUP 1110747	QC	<0.1	12.6	0.3
Reference Materials				
STD OREAS24P	Standard	<0.1	21.5	3.5
STD OREAS45C	Standard	<0.1	22.8	4.2
STD OXH82	Standard			
STD OXH82	Standard			
STD OXK79	Standard			
STD OXK79	Standard			
STD OREAS24P Expected			22.4	3.6
STD OREAS45C Expected		0.021	24	4.27
STD OXH82 Expected				
STD OXK79 Expected				
BLK	Blank	<0.1	<0.1	<0.1
BLK	Blank			
BLK	Blank			
BLK	Blank			
BLK	Blank			
Prep Wash				
G1	Prep Blank	<0.1	100.7	0.7
G1	Prep Blank	<0.1	113.2	0.6