

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 West Hastings Street
Vancouver, B.C. V6B1L8

Telephone: 604-688-2568

Fax: 604-688-2578

ASSESSMENT REPORT

describing

ROCK, SOIL AND STREAM SEDIMENT GEOCHEMICAL SAMPLING

at the

JAVA PROPERTY

Java 1-28	YD28071-YD28098
29-301	YE14249-YE14521
302-400	YE53902-YE54000
401-419	YE42571-YE42589
Sumatra 1-32	YD110777-YD110808
Timor 1-24	YD110753-YD110776

NTS 95D/10

Latitude 60°38'N; Longitude 126°45'W

located in the

Watson Lake Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

PRECIPITATE GOLD CORP.
and
STRATEGIC METALS LTD.

by

H. Smith, B.Sc., P.Geo.
January 2012

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INTRODUCTION

The Java property is located in southeast Yukon. It covers prominent gossans and geology that is prospective for carbonate-hosted gold mineralization similar to recent discoveries made by ATAC Resources Ltd. at its Rackla Gold Project. The Java property is owned by Strategic Metals Ltd. and is under option to Precipitate Gold Corp.

This report describes a two-phase program of geochemical sampling and prospecting. Phase 1 work was performed on June 3 and 11, while phase 2 work was conducted between September 6 and 10, 2011. Both work programs were done by Archer, Cathro & Associates (1981) Limited on behalf of Precipitate Gold. The author participated in and directed this project and her Statement of Qualifications is in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Java property consists of 485 contiguous mineral claims, which are located in southeast Yukon at latitude 60°38' north and longitude 126°45' west on NTS map sheet 95D/10 (Figure 1). The property covers an area of approximately 9820 hectares (98 km²). The claims are registered with the Watson Lake Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic. Specifics concerning claim registration are tabulated below, while the locations of individual claims are shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Java 1-28	YD28071-YD28098	March 8, 2015
Java 29-301	YE14249-YE14521	March 8, 2014
Java 302-400	YE53902-YE54000	October 4, 2012
Java 401-419	YE42571-YE42589	October 4, 2012
Sumatra 1-32	YD110777-YE110808	March 8, 2015
Timor 1-24	YD110753-YD110776	March 8, 2015

* Expiry dates include 2011 work that has been filed for assessment credit but not yet accepted.

All 2011 work was completed from the Coal River Lodge at Mile 533 on the Alaska Highway. Access to the property was provided by a Hughes 500D helicopter operated by Kluane Airways from the lodge, which is about 110 km southwest of the property. All personnel stayed at the Coal River Lodge.

The community of Watson Lake is the nearest supply center. The closest road access is from the Alaska Highway, which at its nearest point is 87 km to the southwest of the property. The Alaska Highway is usable in all seasons by two wheel drive vehicles.

HISTORY AND PREVIOUS WORK

In 1962, Frances River Syndicate staked the AR claims to cover prominent gossans, which are located in the centre of the Java property. No results were published from this work (Cathro, 1973).

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FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

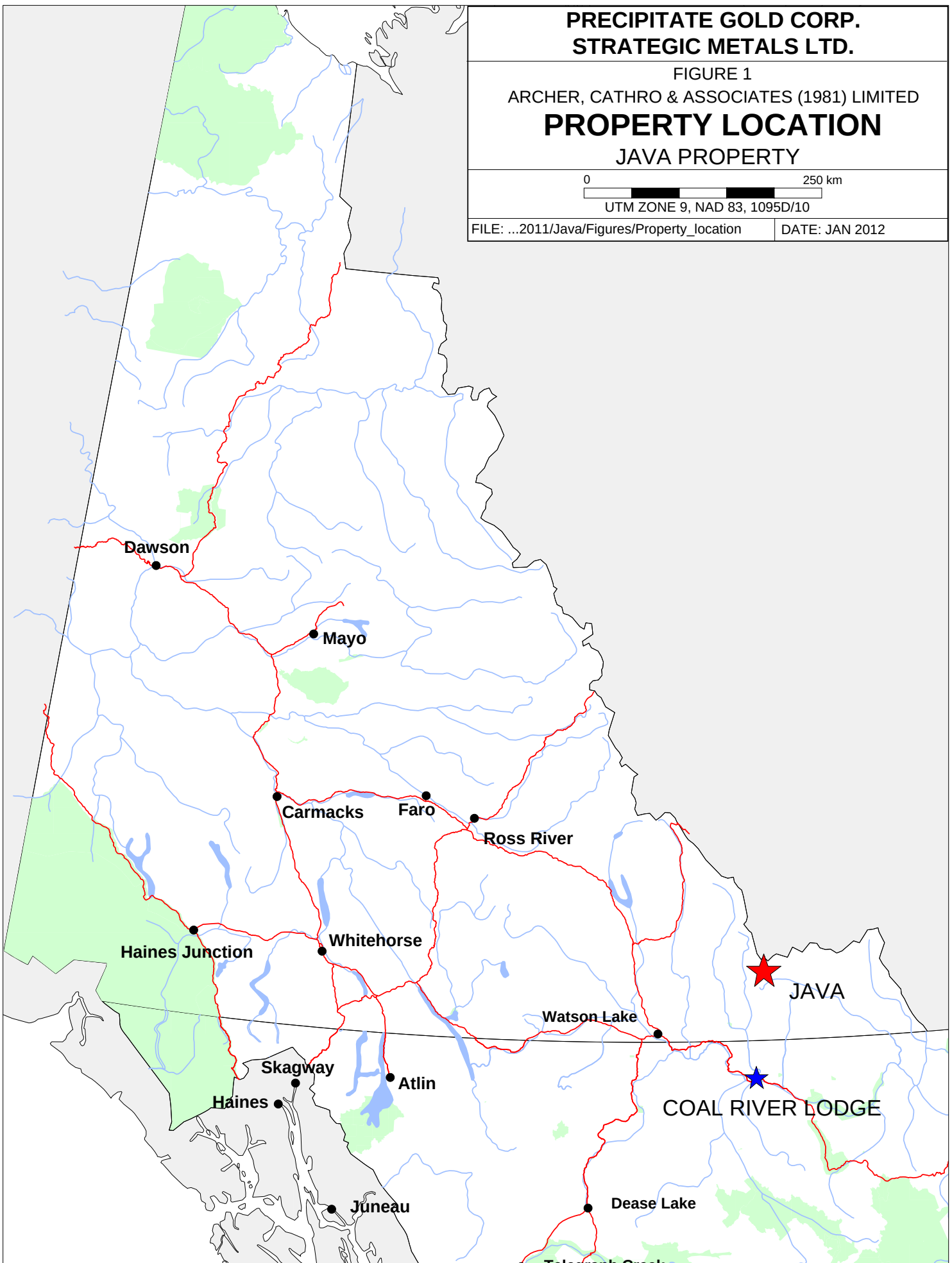
**PROPERTY LOCATION
JAVA PROPERTY**

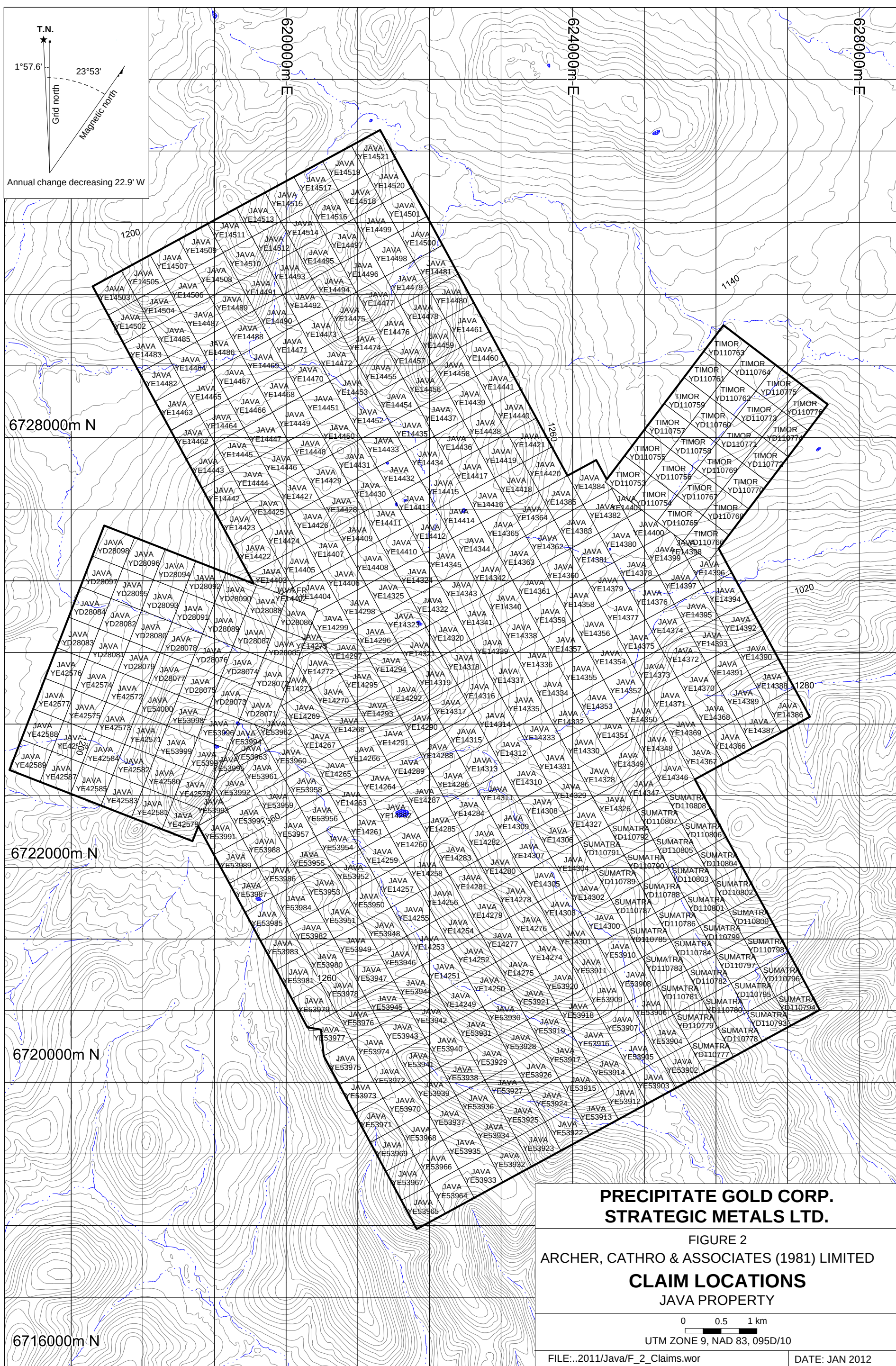
0 250 km

UTM ZONE 9, NAD 83, 1095D/10

FILE: ...2011/Java/Figures/Property_location

DATE: JAN 2012





Most historical work in the area focused on a small intrusive body named the Oudder Stock, which lies immediately southeast of the Java property. The stock is poorly exposed due to glacial cover and thick forest. In 1973, Archer Cathro collected a number of soil samples on behalf of Hyland Joint Venture. Values from this soil sampling returned up to 10 ppm molybdenum (Cathro, 1973).

In 1980, Archer Cathro explored for tungsten in the area on behalf of CUB Joint Venture, a syndicate comprising Cassiar Asbestos Corporation, Highland-Crow Resources Ltd. and Union Carbide Canada Limited. A single soil sample line across the Oudder Stock returned up to 96 ppm copper and 11 ppm tungsten (Cathro and Main, 1980). The Oudder, Far and Way claims (Oudder property) were staked to cover porphyry and skarn targets.

In 1981, CUB JV funded follow up work on the Oudder property. That program included stream panning, soil sampling and a ground magnetic survey. A total of 418 soil samples were collected and analyzed for tungsten and molybdenum. Due to a lab error, 215 of these samples were also analyzed for gold. The highest values were 55 ppm tungsten, 59 ppm molybdenum and 82 ppb gold (Cathro and Main, 1982). A twenty-seven line kilometer magnetic survey was completed over the Oudder Stock and adjacent wallrocks. The magnetic variability showed excellent range particularly along the northern contact where magnetic susceptibility varied by up to 8000 gammas over a distance of 50 m. This anomaly was attributed to a magnetite skarn while lower intensity magnetic anomalies identified west, east and south of the intrusive contact were thought to be related to tungsten-bearing skarns (Cathro and Main, 1982). No further work was done and these claims subsequently lapsed.

In 1995, the Geological Survey of Canada (GSC) completed a regional stream sediment sampling survey on NTS map sheet 95D (Friske et al., 1996). Six stream sediment samples were collected from creeks on the Java property, while five more samples were collected from creeks draining off the property. These samples returned moderately to strongly anomalous values (99th percentile or greater for NTS 95D) for arsenic (44 ppm), molybdenum (25 ppm), mercury (340 ppb), antimony (11.2 ppm) and tungsten (10 ppm).

In 2010, Strategic staked the Java, Sumatra and Timor claims. Precipitate Gold acquired its option on the property in early 2011 and subsequently staked more claims.

GEOMORPHOLOGY AND CLIMATE

The Java property is situated in the Liard Plateau south of the Selwyn Mountains. It is drained by creeks that flow into the Beaver and Rock Rivers, which ultimately connect to the Arctic Ocean via the Liard and Mackenzie Rivers.

Local elevations on the property range from 1040 to 1635 m above sea level. Topographic relief is gentle to locally steep, with numerous broad, relatively flat-bottomed valleys separating small knolls. Outcrop is limited to hilltops and steep drainages. Lower elevations, particularly the floor of the valley, are blanketed by Pleistocene colluvium deposits and glacial till.

Much of the overburden in the region is associated with the most recent Cordilleran ice sheet, the McConnell glaciation, which is believed to have covered south and central Yukon between

26,500 and 10,000 years ago (Yukon Geological Survey, 2010). The Java area was covered by the Liard Lobe of the ice sheet, which moved in an eastward to north-eastward direction.

Treeline in the area is at about 1500 m. Lower elevations on the property are characterized by dense forest of black spruce and poplar trees with an understory of thick buckbrush, shrubs and moss which thin gradually with elevation to stunted black spruce, grass, lichen and moss.

The climate in the area of the Java property is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are relatively mild, snowfall can occur in any month at higher elevations. The property is mostly snow free from early June to late September.

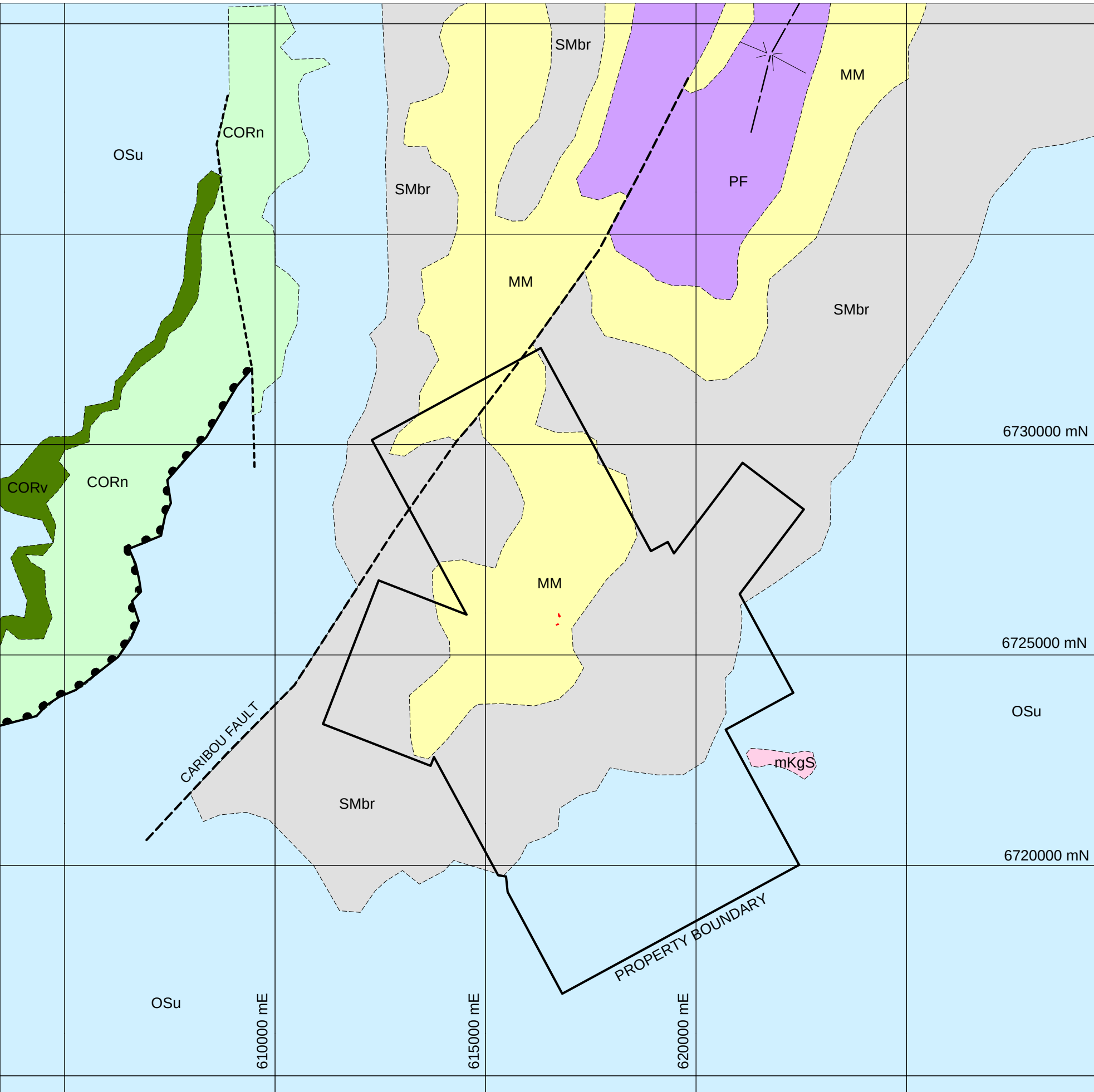
REGIONAL GEOLOGY

The property lies within Selwyn Basin (Figure 3), a tectonic element comprising deep water clastic rocks with minor carbonate facies, which accumulated along the North American continental margin during Paleozoic time (Pigage, 2004).

The Coal River map sheet (NTS 095D) was mapped at regional scale (1:250,000) by the GSC in 1969 (Gabrielse and Blusson, 1969). In 2010, Pigage et al. produced an updated geological map and lithological descriptions (Table I) for NTS 095D.

Table I – Lithological Units (*after Pigage et al., 2010*)

Unit Name	Map Name	Age	Description
Selwyn Suite	mKgS	Middle Cretaceous	Plutonic suite of intermediate composition, resistant, blocky, fine to coarse grained equigranular to porphyritic biotite-quartz monzonite and granodiorite and minor quartz-diorite; minor leuco-quartz monzonite.
Fantasque Formation	PF	Permian	Dark grey, brown-weathering, siliceous bedded shale; lesser thin interbeds of limestone, sandy limestone and limestone concretions.
Mattson Formation	MM	Mississippian	Pale grey, grey-weathering, fine-grained, quartzose sandstone; locally contains trace amounts of organic material and detrital muscovite; interbedded locally with black, pale grey-weathering, siliceous shale



CRETACEOUS

mKgS Selwyn Suite
Medium to dark grey, biotite-hornblende granodiorite; disseminated magnetite; minor biotite-muscovite granodiorite.

PERMIAN

PF Fantasque Formation
Dark grey, siliceous, bedded shale; lesser thin interbeds of limestone, sandy limestone and limestone concretions.

MISSISSIPPIAN

MM Mattson Formation
Pale grey quartzose sandstone; locally contains trace organic material and detrital muscovite; interbedded with black siliceous shale.

SILURIAN TO MISSISSIPPIAN

SMbr Road River Group-Besa River Formation (undivided)
Dark grey to black, pale grey-weathering, recessive shale with lesser siltstone, sandstone, bedded chert and limestone.

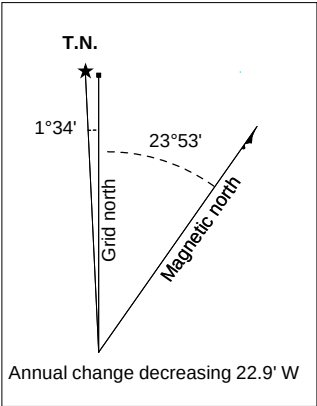
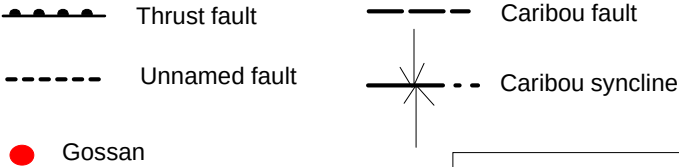
ORDOVICIAN

OSu Sunblood Formation
Light to dark grey, thin- to thick-bedded dolostone or limestone; commonly bioturbated and locally laminated.

CAMBRIAN TO ORDOVICIAN

CORn Rabbitkettle Formation
Grey to brown, wavy banded, silty limestone with pale grey limestone nodules; lesser intervals of pale grey bedded limestone.

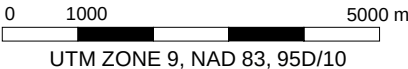
CORv Rabbitkettle Formation
Green and maroon, thick-bedded, lapilli tuffs and breccias interbedded with amygdaloidal, vesicular and massive flows.



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FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GEOLOGY
JAVA PROPERTY



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Road River Group-Besa River Formation	SMbr	Silurian to Mississippian	Dark grey to black, pale grey-weathering, recessive shale with lesser siltstone, sandstone, bedded chert and limestone.
Sunblood Formation	OSu	Ordovician	Light to dark grey, light brownish grey-, buff- or orange-weathering, mottled, thin- to thick-bedded dolostone or limestone; commonly bioturbated; locally laminated.
Rabbitkettle Formation	CORn	Cambrian to Ordovician	Grey- to brownish grey-weathering, wavy-banded, silty limestone with distinctive pale grey limestone nodules; lesser intervals of pale grey, indistinctly bedded limestone.
	CORv	Cambrian to Ordovician	Greyish-green and maroon, grey weathering, thick bedded, basaltic lapilli tuffs and breccias interbedded with amygdaloidal, vesicular and massive pillowed flows.

Figure 4 illustrates regional geology. The most prominent feature in the area is a large syncline, known as the Caribou Syncline, which trends northeasterly through the Java property. A dextral strike-slip fault known as the Caribou Fault offsets the syncline by about one kilometre (Pigage et al., 2010).

Immediately northwest of the property, there are two klippen or thrust-fault remnants of CORn and CORv. Due to the limited exposure and minor amount of mapping in the region, the exact relationship between these rocks and the sedimentary OSu has not been determined.

Near the southeast corner of the property the Oudder Stock (mKgS) intrudes OSu.

PROPERTY GEOLOGY

In 1981, CUB JV mapped a small area surrounding the Oudder Stock at 1:10,000 scale (Cathro and Main, 1982). This mapping defined the exposed extent of the stock and identified nearby OSu and SMbr outcrops. Geological contacts shown on Figure 4 have been modified to reflect the 1981 mapping. In 2011, no geological mapping was performed on the Java property; however, the historical gossans were relocated (Figure 4).

MINERALIZATION

In 2011, Precipitate Gold conducted two days of prospecting in conjunction with Phase 2 soil sampling. Twenty-four rock samples were collected and sent to ALS Chemex for processing. Rock samples were dried, crushed and pulverized in Whitehorse then a split was sent to Vancouver, BC where it was analyzed for 51 elements using an aqua regia digestion followed by

inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS41). An additional 50 g charge was further analyzed for gold by aqua regia with inductively coupled plasma mass spectroscopy finish (Au-TL44). Statistical analyses of the Au-TL44 technique by other operators of other exploration projects have shown that in some cases gold associated with carbon was not liberated and therefore reported values may be lower than the actual values.

Sample locations are shown on Figure 5. Rock Sample Descriptions are given in Appendix II and Certificates of Analysis are in Appendix III.

Samples collected from the gossan yielded low values for gold (up to 0.02 ppm), arsenic (up to 3 ppm) and antimony (up to 0.025 ppm). Sample results for other rock samples showed: background values for gold (up to 0.01 ppm) and thallium (up to 0.18 ppm); weak values for silver (up to 1.34 ppm), arsenic (up to 33.6 ppm), copper (up to 169.5 ppm) and lead (up to 75.1 ppm); and moderately anomalous values for antimony (up to 3.11 ppm) and zinc (up to 1600 ppm).

SOIL GEOCHEMISTRY

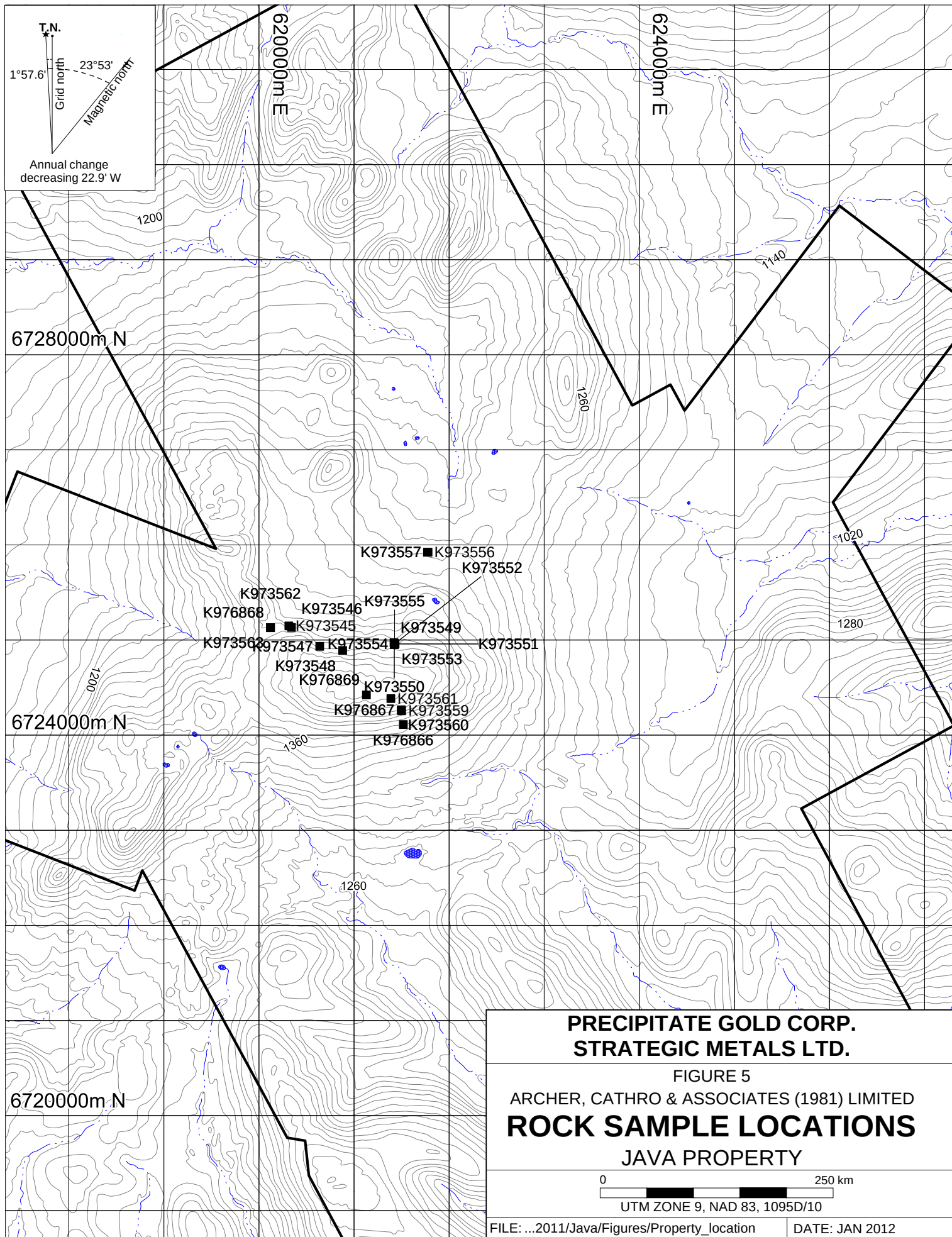
In 2011, 560 soil and 62 silt samples were collected on behalf of Precipitate Gold. Soil sample locations are plotted on Figure 6, while results for gold, silver, arsenic, molybdenum, antimony and thallium are illustrated thematically on Figures 7 through 12. Certificates of Analysis are provided in Appendix III.

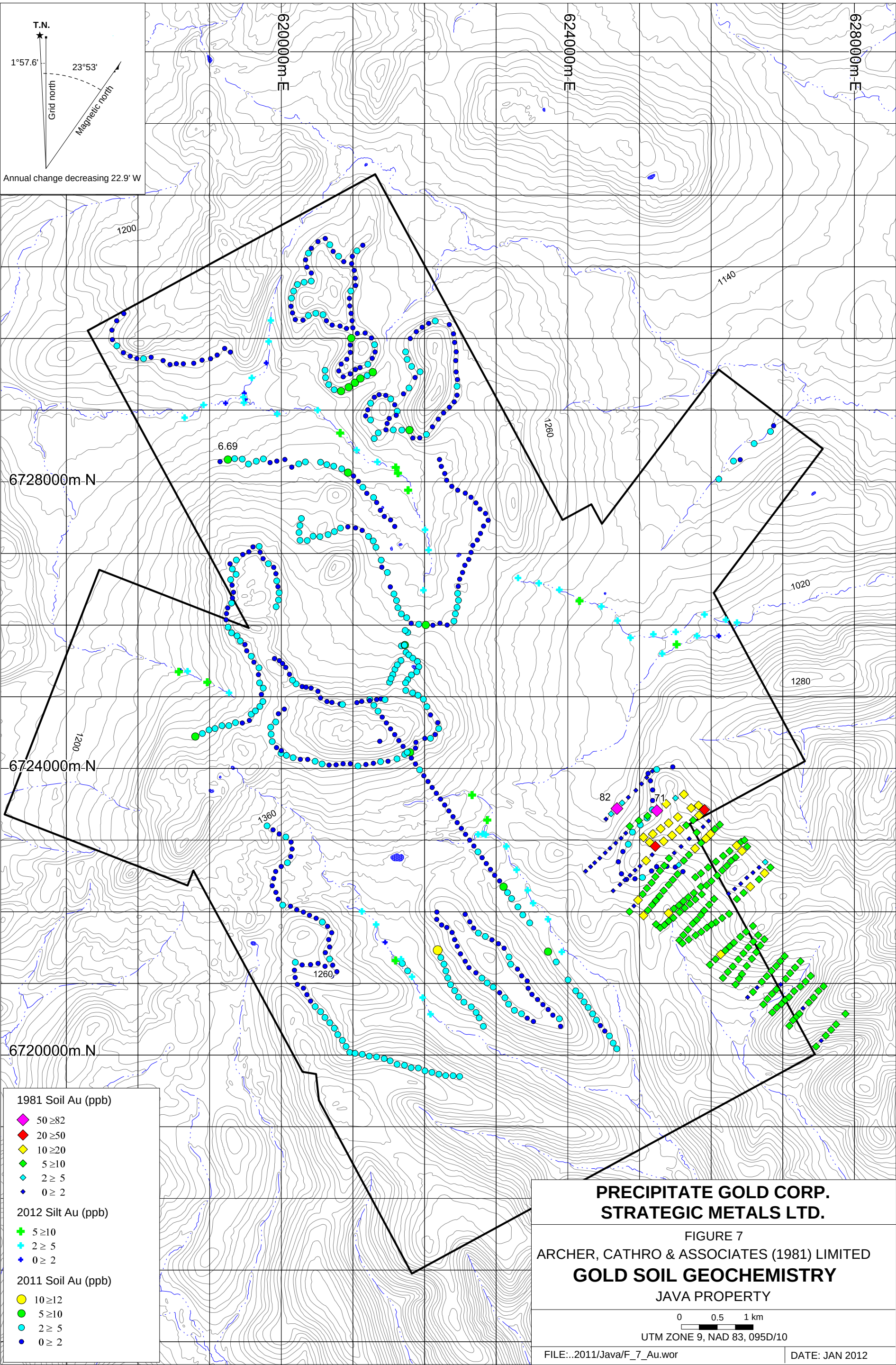
All samples were sent to ALS Chemex in Whitehorse where they were dried, screened to -180 microns, before being sent to the Vancouver lab where they were analyzed for 51 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS41). An additional 25 g charge was further analysed for gold by aqua regia digestion with inductively coupled plasma mass spectroscopy finish (Au-TL43). Table II below lists soil sample thresholds.

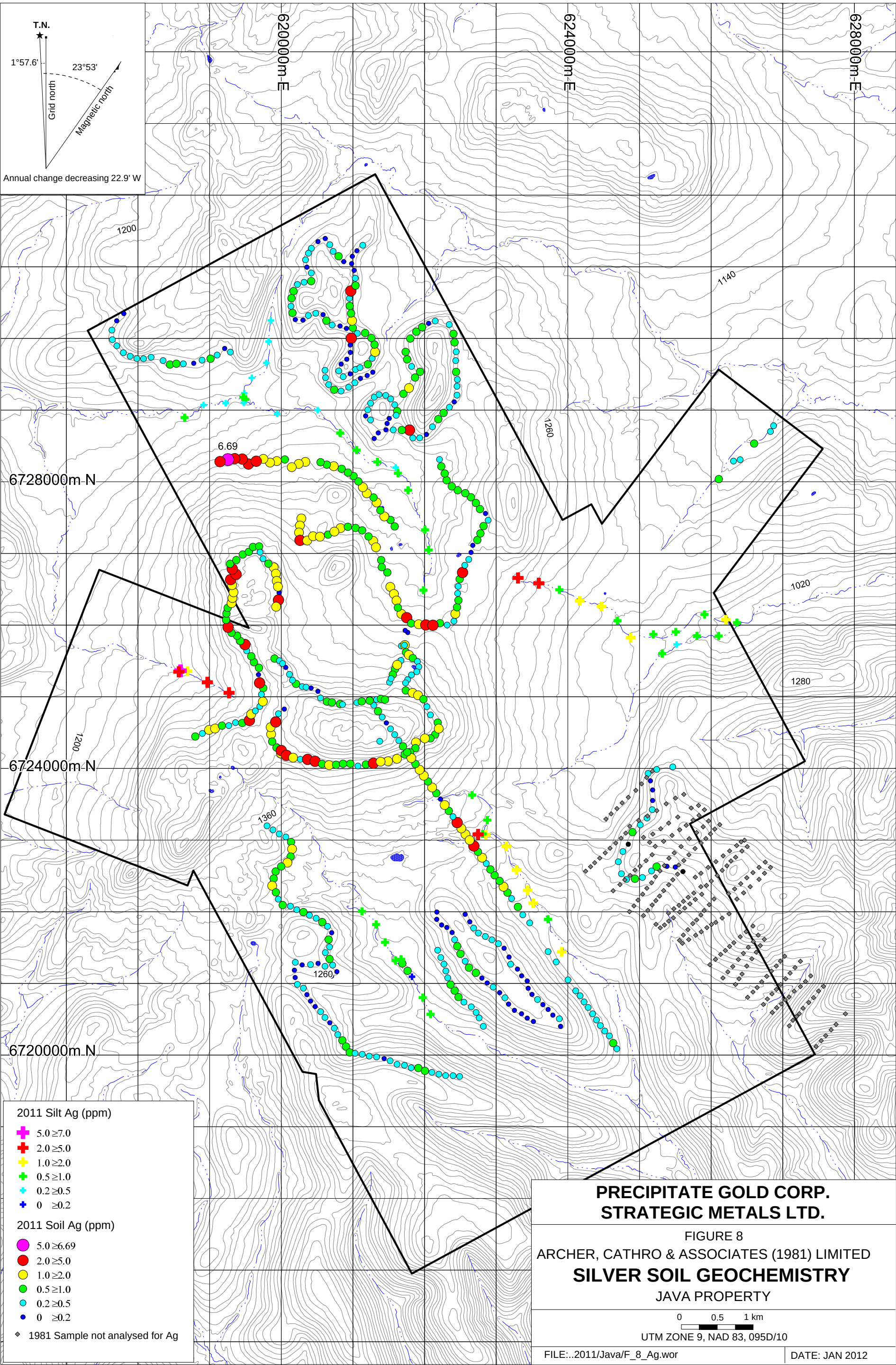
Table II – Anomalous Thresholds and Peak Values for Soil Samples

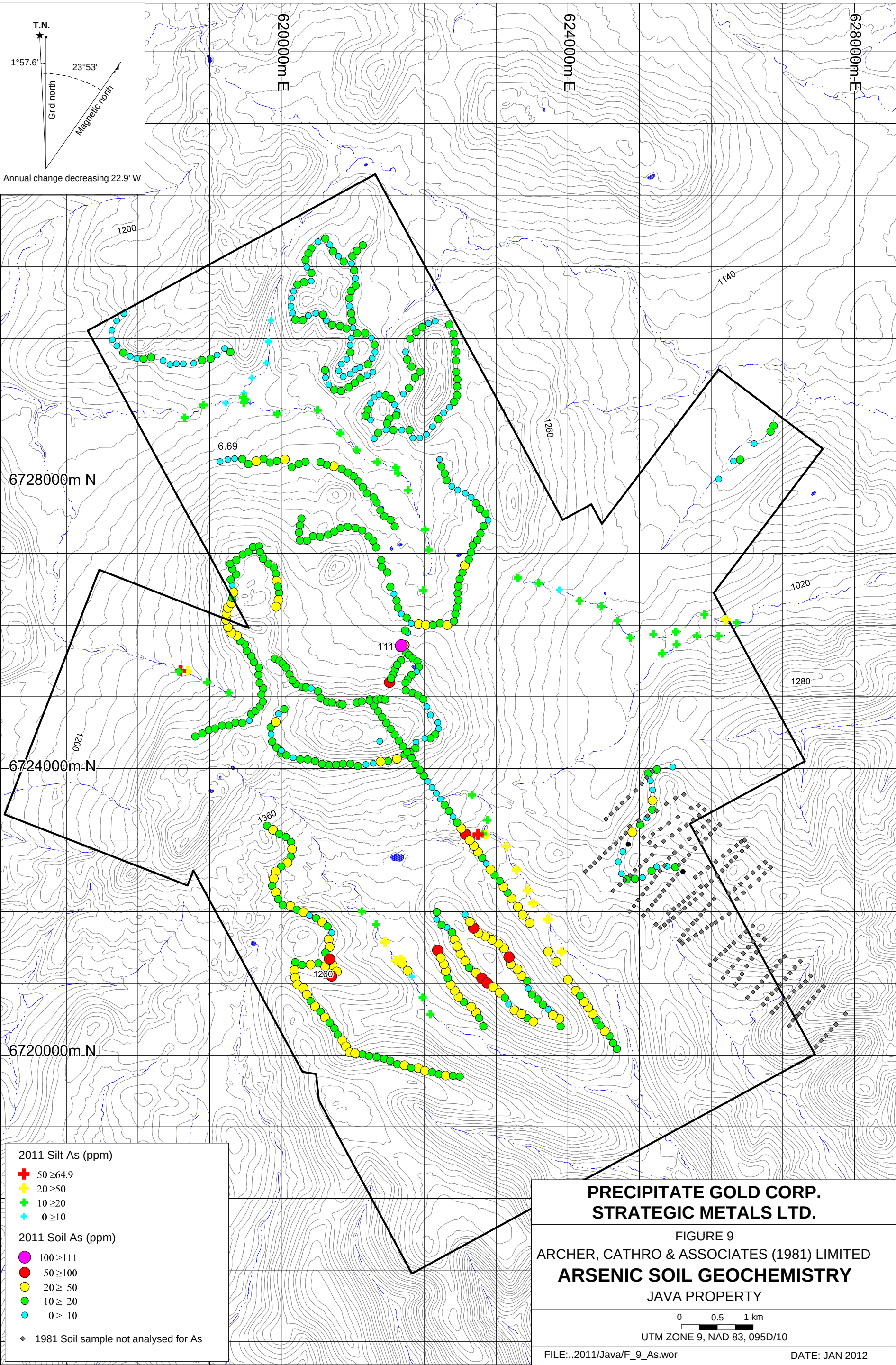
Element	Threshold Values (ppm)			Peak (ppm)
	Weak	Moderate	Strong	
Gold	$\geq 0.02 < 0.01$	≥ 0.01		0.012
Silver	$\geq 0.5 < 1.0$	$\geq 1.0 < 5.0$	≥ 5.0	7.0
Arsenic	$\geq 20 < 50$	$\geq 50 < 100$	≥ 100	111
Molybdenum	$\geq 5 < 10$	$\geq 10 < 20$	≥ 20	98.7
Antimony	$\geq 2 < 5$	$\geq 5 < 10$	≥ 10	19.5
Thallium	$\geq 0.5 < 1.0$	$\geq 1.0 < 5.0$	≥ 5.0	7.08

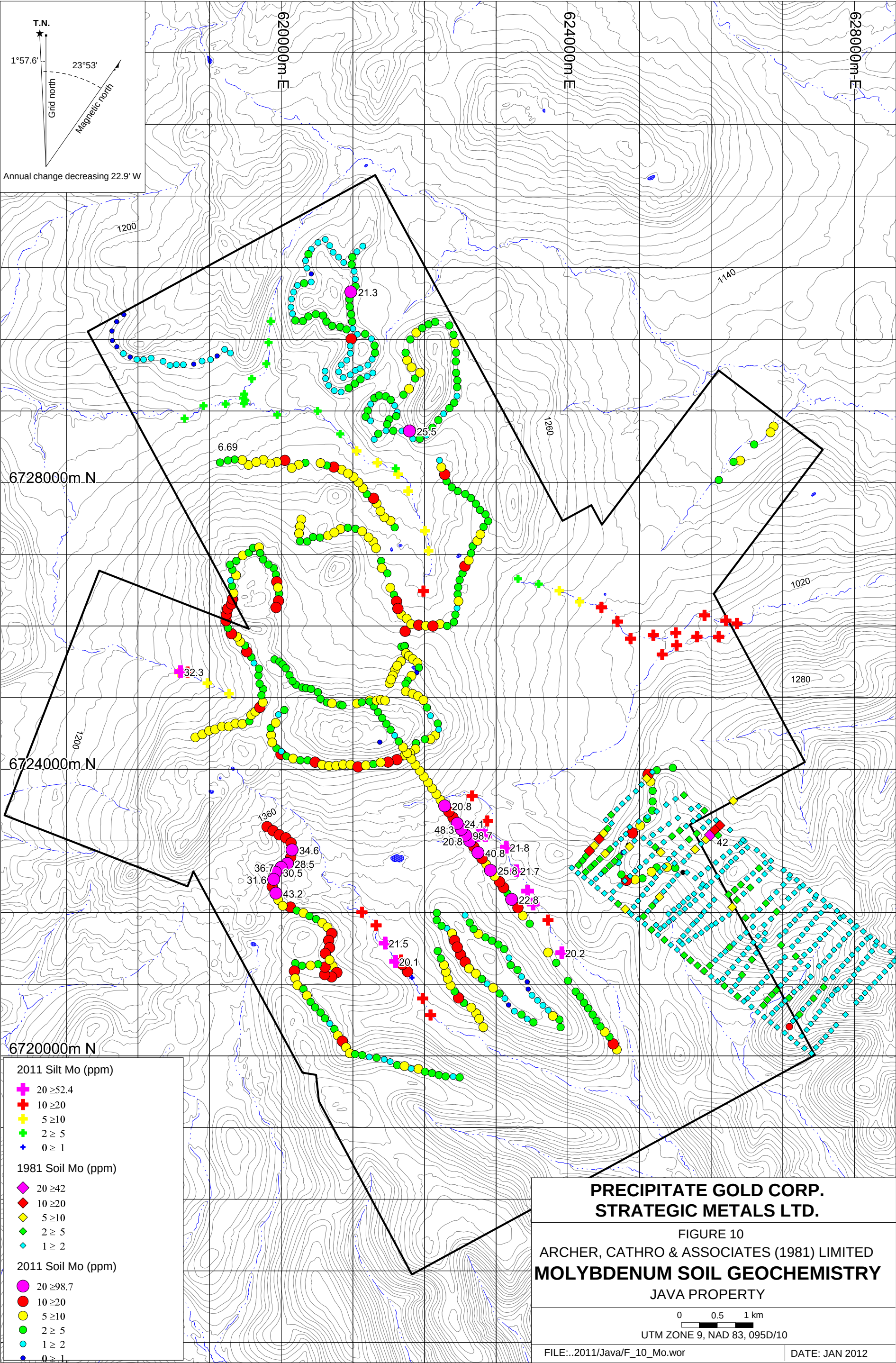
The northern half of the property hosts numerous clusters and single point anomalies of moderately to strongly anomalous silver and molybdenum values with weak to moderate values for arsenic and antimony and background to weak values for thallium.

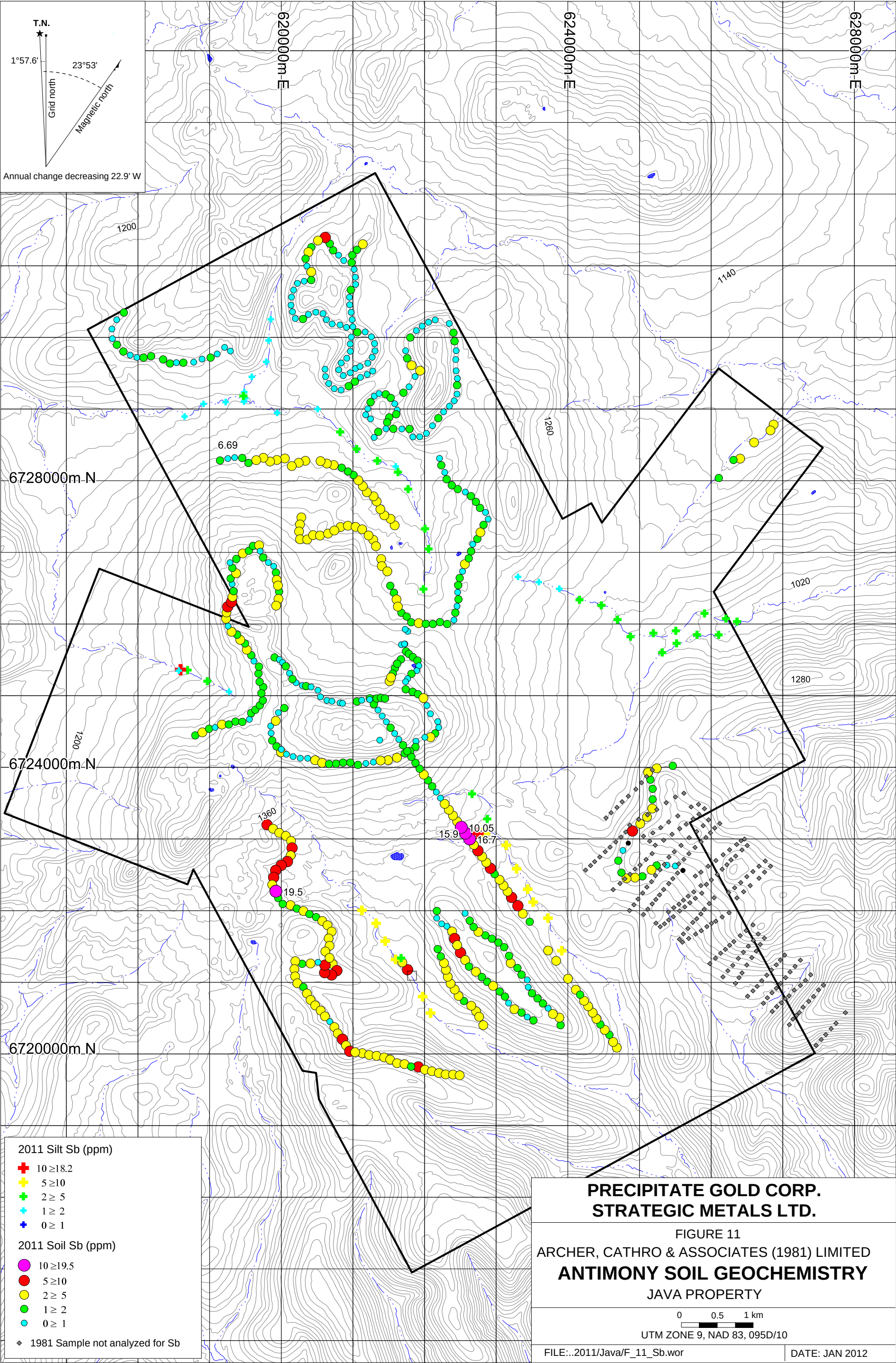


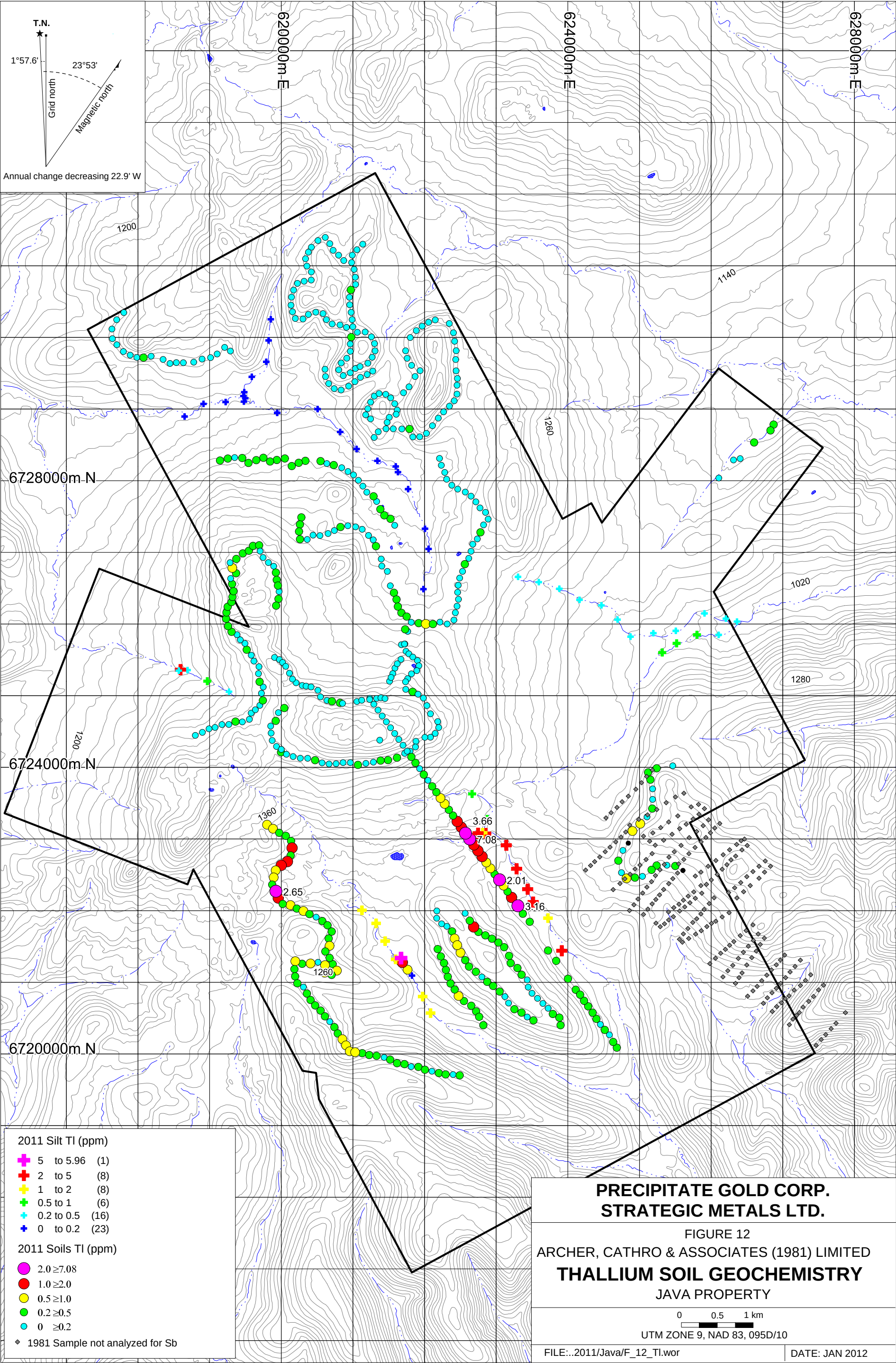












The southern half of the property contains a larger molybdenum - antimony - thallium $\pm$ arsenic anomaly that is defined by silt and soil geochemical values. This anomaly spans an area approximately two by three kilometres. Within this anomaly, numerous samples yielded moderate to strong values including: molybdenum from 20 to 98.7 ppm; antimony from 5 to 19.5 ppm; and thallium from 1.0 to 7.08 ppm. Arsenic values are weaker varying from background to 90.1 ppm, while silver values are background to moderately anomalous (up to 4.57 ppm). According to the geological compilation by Pigage et al., 2010, this soil geochemical anomaly is underlain primarily by the Road River Group-Besa River Formation. No rock samples were collected within this geochemical anomaly.

DISCUSSION AND CONCLUSIONS

Exploration on the Java property was spurred by recent gold discoveries by ATAC Resources Ltd. at its Rau and Rackla Gold projects northeast of Mayo in east-central Yukon. In fall 2011, ATAC released an indicated and inferred resource estimate of nearly 800,000 ounces of gold with a 0.30 g/t gold cutoff grade for the oxide and sulphide mineralization within Tiger Zone on at the Rau property (Carne, 2011). Encouraging drill results were also reported from the Conrad, Osiris and Isis East zones at the Rackla Gold Project. Gold indicator minerals such as arsenic, tungsten, bismuth, mercury, antimony and thallium were key components that lead to the Rau and Rackla Gold discoveries.

The Java project and ATAC discoveries are all situated near the boundary between platform carbonate and shale facies sediments along the edge of ancestral North America. The Tiger Zone is a thick northwest trending body of carbonate replacement style gold mineralization hosted within a stacked sequence of dolomite and volcanoclastic strata. Metaliferous fluids are believed to have migrated outwards from a high-level pluton located three kilometres from the zone. Small tungsten and gold bearing skarns are located closer to the intrusion. The zones at the Rackla Gold Project are “classic” Carlin-type mineralization hosted in decalcified debris-flow breccias containing realgar and orpiment. At the Java property, the Oudder Stock lies approximately four kilometres from the eastern edge of the multi-element soil geochemical anomaly. This heat source, favourable carbonate-rich host rocks and the 2011 geochemical anomaly all support the potential for a significant gold discovery with further exploration.

One consideration when evaluating targets within the Selwyn Basin is that some shale horizons host elevated values for antimony, molybdenum and zinc. Although no shale units were reported in the area, this possibility should not be overlooked. During prospecting and mapping hand pits should be dug to evaluate the underlying geology and validate the soil geochemical anomalies.

Further work on the property should include soil sampling, mapping and prospecting. Tightly spaced deep auger soil sampling and hand pits should be completed in the southern part of the property and should extend from the Oudder Stock to the western property boundary. Mapping and prospecting should initially focus on sub-alpine to alpine areas and creek cuts with exposed bedrock.

This work should be performed from a series of temporary fly camps on the property.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Heather Smith, B.Sc., P.Geo.

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2011 Bedrock geology of Coal River map area (NTS95D), Yukon (1:250 000 scale); Yukon Geological Survey, Open File 2011-1.

APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Heather Smith, geologist, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address in Squamish, British Columbia do hereby certify that:

1. I graduated from the University of British Columbia in 2006 with a B. Sc. in Geological Sciences.
2. From 2004 to present, I have been actively engaged in mineral exploration in the Yukon Territory, British Columbia and Northwest Territories.
3. I am a Professional Geoscientist (P.Geo.) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 34689).
4. I have personally participated in and directed the fieldwork reported herein and have interpreted all data resulting from this work.

Heather Smith, B.Sc., P.Geo.

APPENDIX II

ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions			Project: <u>Java</u>	Property: <u>Java</u>		
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>Float</u>	Dimension:
K973545	UTM:	620314	UTM:	6725149 N	Sample Width: 20x30x40 cm	Abundance:
	Elevation:	m				
Comments:	Angular float sample from talus. Limonite-goethite ferrocrete. Clasts are pale yellow to orange, fine grained sandstone. Goethite is glassy. Rare in boulder field.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>Float</u>	Dimension:
K973546	UTM:	620342 E	UTM:	6725133 N	Sample Width:	Abundance:
	Elevation:	m				
Comments:	Float from talus pile. Limonite-goethite ferrocrete, moderately abundant.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>Soil pit</u>	Dimension:
K973547	UTM:	620639 E	UTM:	6724934 N	Sample Width:	Abundance:
	Elevation:	m				
Comments:	Sample collected from soil pit - angular quartz vein with abundant limonite as fracture coatings and vugs. Rare chlorite patches.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>Float</u>	Dimension:
K973548	UTM:	620881 E	UTM:	6724890 N	Sample Width:	Abundance:
	Elevation:	m				
Comments:	Float sample from large talus slope. Black, fine grained crystalline shale/siltstone with distinct yellow surface coat. Angular fragments of matte black substance - coal/bitumen??					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>Float</u>	Dimension:
K973549	UTM:	621420 E	UTM:	6724972 N	Sample Width: 35x40x20 cm	Abundance:
	Elevation:	m				
Comments:	Float sample of blocky talus covered in moss. Fine grained quartzite riddled with cross cutting bright orange-red realgar? Abundant over 10 m area.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>Float</u>	Dimension:
K973550	UTM:	621423 E	UTM:	6724952 N	Sample Width: 20x10x30	Abundance:
	Elevation:	m				
Comments:	Float from talus. Fine grained quartzite with limonite. Sooty boudinages.					

Rock Sample Descriptions			Project: <u>Java</u>		Property: <u>Java</u>	
Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
K973551	UTM:	621426 E	UTM:	6724959 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Falus float. Limonite-glassy goethite ferrocrete with jarosite coating. Angular, fine grained quartzite clasts.						
Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
K973552	UTM:	621428 E	UTM:	6724961 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Float 10 cm2 - sooty dolomite? Medium to dark grey, flooded with realgar - smooth looking - earthy hematite? Scratches red.						
Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
K973553	UTM:	621430 E	UTM:	6724959 N	Sample Width: 3x15x10 cm	Abundance:
	Elevation:	m				
Comments: Float sample of sooty dolomite flooded (near the point of brecciation) by earthy hematite/realgar?						
Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
K973554	UTM:	621432 E	UTM:	6724962 N	Sample Width: 20x20x10 cm	Abundance:
	Elevation:	m				
Comments: Ferrocrete (limonite, goethite and jamesonite) clasts of fine grained quartzite.						
Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
K973555	UTM:	621427 E	UTM:	6724964 N	Sample Width: 20x10x10 cm	Abundance:
	Elevation:	m				
Comments: Float sample of limonite-goethite-hematite flooded quartzite.						
Sample Number:	Grid East:	E	Grid North:	N	Type: Composite	Dimension:
K973556	UTM:	621773 E	UTM:	6725924 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Float from gossan. Four pieces of boxworked, honey-combed glassy limonite.						

Rock Sample Descriptions			Project: <u>Java</u>		Property: <u>Java</u>	
Sample Number:	Grid East:	E	Grid North:	N	Type: Composite	Dimension:
K973557	UTM:	621779 E	UTM:	6725925 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Ferrocrete-banded iron, heavy. Composite grab over 4 m.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K973558	UTM:	E	UTM:	N	Sample Width:	Abundance:
	Elevation:	m				
Comments:						
Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
K973559	UTM:	621500 E	UTM:	6724256 N	Sample Width: 10x4x12 cm	Abundance:
	Elevation:	m				
Comments: Float sample of dary grey sandstone with punky goethite. Rusty red coating.						
Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
K973560	UTM:	621497 E	UTM:	6724267 N	Sample Width: 10 cm2	Abundance:
	Elevation:	m				
Comments: Float sample of brecciated quartzite with orange-yelloe limonitic pits and disseminated red-metallic mineral. No rep.						
Sample Number:	Grid East:	E	Grid North:	N	Type: Composite	Dimension:
K976868	UTM:	621420 E	UTM:	6724352 N	Sample Width: 1x0.5x0.5 m	Abundance:
	Elevation:	m				
Comments: Composite chip sample of four boulders. Limonitic breccia with fragments of quartzite. Bright orange-yellow surface. From talus pile.						
Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
K973561	UTM:	621387 E	UTM:	6724385 N	Sample Width: 30x20x10 cm	Abundance:
	Elevation:	m				
Comments: Float sample from close to source. Punky orange-red limonitic rock with cross cutting black fluid bands (black limonite).						
Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
K976869	UTM:	621130 E	UTM:	6724423 N	Sample Width: 40x40x30 cm	Abundance:
	Elevation:	m				
Comments: Float sample of red-maroon intrusive/grit with quartz phenos/web textures. Limonite yellow-orange-red coat on fractures.						

Rock Sample DescriptionsProject: JavaProperty: Java

Sample Number:	Grid East:	E	Grid North:	N	Type: <u>Float</u>	Dimension:
K973562	UTM:	620121 E	UTM:	6725132 N	Sample Width: 20x10x30 cm	Abundance:
	Elevation:	m				

Comments: Float sample of epithermal quartz vein riddled with punky yellow limonite and glassy goethite.

Sample Number:	Grid East:	E	Grid North:	N	Type: <u>Float</u>	Dimension:
K973563	UTM:	620121 E	UTM:	6725132 N	Sample Width: 20 cm2	Abundance:
	Elevation:	m				

Comments: Glassy goethite with strong ridges and large voids. From same talus as quartz vein '562

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K976866	UTM:	621518 E	UTM:	6724112 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: 1 small

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K976867	UTM:	621497 E	UTM:	6724265 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: 1 small

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K976868	UTM:	620123 E	UTM:	6725129 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: 1 block of

APPENDIX III
CERTIFICATES OF ANALYSIS



ALS Canada Ltd.
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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ARCHER, CATHRO AND ASSOCIATES (1981)
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VANCOUVER BC V6B 1L8**

Page: 1
Finalized Date: 7- JUL- 2011
Account: F

CERTIFICATE WH11099289

Project: Fireside- Java

P.O. No.:

This report is for 130 Soil samples submitted to our lab in Whitehorse, YT, Canada on 14-JUN- 2011.

The following have access to data associated with this certificate:

DOUG EATON

SARAH EATON

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- TL43	Trace Level Au - 25g AR	ICP- MS
ME- MS41	51 anal. aqua regia ICPMS	

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8**

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Account: F

Project: Fireside- Java

CERTIFICATE OF ANALYSIS WH11099289

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC79979		0.12	0.004	2.50	1.24	14.6	<0.2	<10	750	0.96	0.20	0.90	2.03	19.55	22.3	18
CC79980		0.22	0.003	2.39	1.18	18.6	<0.2	<10	1040	0.89	0.20	1.01	1.69	18.70	37.9	16
CC79991		0.12	0.001	0.54	0.67	16.4	<0.2	<10	1580	0.60	0.13	0.47	3.59	21.2	8.8	14
CC79992		0.26	0.002	0.72	0.81	18.2	<0.2	<10	1430	0.64	0.13	0.57	2.74	22.3	10.5	16
CC79993		0.14	0.006	0.41	0.76	18.8	<0.2	<10	1300	0.61	0.13	0.44	3.14	23.2	12.0	16
CC79994		0.10	0.003	0.73	0.81	19.8	<0.2	<10	1440	0.55	0.13	0.50	5.59	21.5	14.7	14
CC79818		0.16	0.002	0.86	0.49	16.3	<0.2	<10	1450	0.44	0.12	0.39	10.70	23.7	3.6	12
CC79819		0.18	0.002	0.92	0.53	18.2	<0.2	<10	1440	0.49	0.13	0.51	13.80	26.1	4.4	13
CC79820		0.18	0.001	0.87	0.60	24.1	<0.2	<10	1600	0.60	0.14	0.61	17.95	31.2	6.6	16
CC79895		0.10	0.005	0.93	0.27	15.0	<0.2	<10	750	0.17	0.17	0.13	0.23	30.0	0.8	10
CC79896		0.18	0.007	0.66	0.28	17.8	<0.2	<10	820	0.18	0.16	0.10	0.29	29.4	0.9	11
CC79897		0.10	0.003	0.94	0.46	19.9	<0.2	<10	790	0.36	0.16	0.17	1.94	30.8	1.3	21
CC79898		0.12	0.003	3.68	1.15	59.1	<0.2	<10	1740	0.76	0.14	0.35	5.79	40.4	20.2	40
CC79899		0.20	0.003	1.06	0.40	23.0	<0.2	<10	590	0.39	0.17	0.23	5.59	29.7	2.3	18
CC79900		0.12	0.003	1.18	0.44	22.8	<0.2	<10	860	0.40	0.16	0.22	5.69	29.7	4.9	18
CC79915		0.14	0.001	0.42	0.71	17.1	<0.2	<10	1620	0.52	0.12	0.61	1.95	22.1	7.6	14
CC79916		0.20	0.002	0.45	0.75	12.1	<0.2	<10	1990	0.52	0.13	0.55	1.43	23.3	6.1	16
CC79917		0.24	0.002	0.57	0.98	8.8	<0.2	<10	1750	0.52	0.16	0.57	2.62	24.0	5.5	17
CC79918		0.20	0.001	0.40	0.64	13.1	<0.2	<10	1940	0.56	0.13	0.49	0.71	22.6	5.6	13
CC79919		0.20	0.002	0.48	0.80	9.2	<0.2	<10	1630	0.49	0.15	0.44	0.98	21.4	5.2	14
CC79920		0.24	0.003	0.51	0.90	8.2	<0.2	<10	1530	0.51	0.15	0.83	1.49	20.9	5.5	15
CC79931		0.22	0.005	0.62	0.51	21.3	<0.2	<10	1380	0.49	0.12	0.54	12.85	28.0	5.5	15
CC79932		0.08	0.002	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC79933		0.12	0.002	0.70	0.52	18.5	<0.2	<10	1350	0.49	0.12	0.76	15.15	28.1	6.8	14
CC79934		0.18	0.002	0.62	0.48	17.8	<0.2	<10	1110	0.45	0.12	1.03	11.75	26.8	5.4	13
CC79935		0.22	0.004	0.93	0.57	26.6	<0.2	<10	890	0.52	0.15	0.70	7.20	26.6	8.5	14
CC79936		0.16	0.002	0.56	0.85	25.0	<0.2	<10	530	1.16	0.15	3.72	9.94	44.1	12.1	19
CC79937		0.08	0.003	0.77	0.75	24.9	<0.2	<10	500	0.74	0.14	1.43	17.20	29.2	24.4	16
CC79960		0.12	0.003	1.19	0.51	24.8	<0.2	<10	1090	0.47	0.17	0.25	7.48	34.2	5.8	18
CC79961		0.12	0.004	1.11	0.51	24.3	<0.2	<10	1050	0.51	0.18	0.25	7.69	34.7	6.1	18
CC79962		0.14	0.004	1.26	0.58	27.0	<0.2	<10	1190	0.55	0.18	0.32	8.56	37.8	6.6	19
CC79963		0.12	0.003	0.96	0.53	27.5	<0.2	<10	1020	0.52	0.17	0.43	6.77	36.2	5.9	17
CC79964		0.08	0.004	1.34	0.61	26.9	<0.2	<10	1250	0.56	0.18	0.39	8.42	38.7	6.1	20
CC79981		0.26	0.003	0.54	0.49	8.5	<0.2	<10	1330	0.20	0.17	0.16	0.49	20.1	3.4	8
CC79982		0.08	0.007	1.47	0.77	14.7	<0.2	<10	1790	0.48	0.17	0.47	1.83	24.0	13.9	11
CC79983		0.22	0.003	1.20	0.81	18.9	<0.2	<10	1710	0.54	0.17	0.44	1.75	25.5	14.3	12
CC79984		0.16	0.003	0.84	0.73	12.2	<0.2	<10	1900	0.49	0.17	0.37	1.27	22.8	9.8	12
CC79985		0.26	0.003	1.21	0.82	13.8	<0.2	<10	2000	0.56	0.19	0.37	3.04	24.7	20.7	13
CC79986		0.24	0.003	0.96	0.81	15.5	<0.2	<10	1750	0.58	0.18	0.49	1.96	23.8	15.9	13
CC79987		0.26	0.003	0.71	0.78	16.2	<0.2	<10	1690	0.55	0.17	0.37	1.76	21.8	13.3	13



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
CC79979		2.55	31.8	4.00	2.83	0.09	0.11	0.48	0.041	0.06	9.7	28.4	0.18	1220	3.97
CC79980		2.35	34.2	6.93	2.53	0.13	0.12	0.38	0.039	0.06	10.2	24.1	0.14	1540	4.05
CC79991		0.95	26.1	2.01	2.10	0.07	0.04	0.11	0.030	0.04	12.2	8.2	0.10	350	16.00
CC79992		1.14	23.5	2.39	2.26	0.06	0.04	0.16	0.029	0.05	12.5	11.0	0.12	405	14.90
CC79993		0.97	24.6	2.23	2.29	0.06	0.04	0.12	0.028	0.06	13.1	9.6	0.13	771	15.90
CC79994		1.26	18.6	2.99	2.18	0.07	0.05	0.15	0.028	0.04	11.7	9.5	0.12	1210	15.50
CC79818		1.21	32.7	1.72	1.70	0.08	0.02	0.13	0.029	0.06	14.2	4.1	0.08	159	18.05
CC79819		1.31	37.6	1.85	1.80	0.09	0.03	0.14	0.030	0.06	15.7	4.5	0.09	203	18.35
CC79820		1.37	41.1	2.32	1.98	0.10	0.03	0.14	0.034	0.07	18.0	5.0	0.11	330	21.5
CC79895		1.55	22.9	0.71	1.79	0.06	0.03	0.13	0.043	0.06	17.0	1.2	0.03	36	14.70
CC79896		1.27	25.5	0.96	1.88	0.08	0.03	0.10	0.040	0.06	16.9	1.5	0.03	35	16.45
CC79897		1.87	48.6	0.91	2.13	0.11	0.04	0.15	0.039	0.10	18.4	5.3	0.17	44	23.8
CC79898		4.38	122.0	3.57	4.04	0.19	0.05	0.45	0.036	0.10	33.0	8.2	0.08	509	52.4
CC79899		3.14	50.3	1.01	1.97	0.10	0.03	0.17	0.038	0.08	17.6	3.9	0.09	68	21.5
CC79900		2.41	53.7	1.29	2.03	0.09	0.03	0.22	0.039	0.07	17.9	4.3	0.10	154	21.8
CC79915		0.80	20.1	2.33	2.22	0.07	0.05	0.12	0.026	0.04	12.2	8.2	0.15	270	8.35
CC79916		0.80	22.3	2.11	2.42	0.07	0.05	0.11	0.028	0.05	12.8	8.3	0.15	269	6.43
CC79917		0.97	26.0	1.87	2.91	0.06	0.06	0.14	0.029	0.04	12.8	10.8	0.20	185	2.69
CC79918		0.64	21.9	2.18	2.29	0.06	0.04	0.08	0.027	0.04	12.4	7.1	0.14	232	8.44
CC79919		0.91	16.5	1.89	2.52	0.05	0.05	0.11	0.025	0.04	11.9	8.9	0.15	249	3.97
CC79920		0.84	16.9	1.78	2.62	0.05	0.07	0.12	0.026	0.04	11.2	10.3	0.21	291	2.38
CC79931		1.13	31.1	2.09	1.73	0.09	0.03	0.10	0.032	0.06	16.2	4.2	0.13	211	20.1
CC79932		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC79933		1.19	32.0	1.94	1.77	0.08	0.03	0.13	0.030	0.06	16.3	4.5	0.21	261	16.40
CC79934		1.09	27.3	1.76	1.75	0.09	0.03	0.10	0.030	0.06	15.7	4.3	0.39	191	15.80
CC79935		0.66	22.8	4.32	1.95	0.09	0.05	0.15	0.031	0.06	15.8	5.1	0.14	540	18.90
CC79936		0.93	43.3	3.04	2.25	0.10	0.09	0.17	0.041	0.08	25.1	7.3	1.87	349	10.35
CC79937		1.32	47.0	2.64	2.11	0.10	0.08	0.24	0.031	0.08	16.6	7.2	0.18	827	11.10
CC79960		2.48	58.5	1.48	2.19	0.09	0.03	0.22	0.040	0.08	20.1	5.4	0.10	168	21.7
CC79961		2.40	53.4	1.59	2.08	0.08	0.03	0.19	0.038	0.08	20.2	5.3	0.10	196	21.2
CC79962		2.40	57.2	1.76	2.20	0.10	0.03	0.26	0.040	0.08	21.7	5.8	0.11	218	20.2
CC79963		1.99	47.0	1.82	2.02	0.09	0.03	0.19	0.036	0.08	20.4	5.2	0.17	194	18.50
CC79964		2.54	57.1	1.79	2.28	0.10	0.03	0.27	0.039	0.09	22.5	6.1	0.13	207	20.2
CC79981		1.50	17.6	1.48	3.07	<0.05	<0.02	0.09	0.041	0.05	11.8	3.7	0.05	46	8.56
CC79982		2.00	32.4	2.78	2.16	0.08	0.05	0.27	0.036	0.06	12.5	10.2	0.08	420	8.92
CC79983		1.78	33.3	3.07	2.43	0.09	0.05	0.33	0.040	0.05	13.8	10.1	0.09	415	14.20
CC79984		1.34	27.1	2.06	2.27	0.08	0.05	0.23	0.035	0.05	12.3	7.6	0.09	223	13.45
CC79985		1.63	34.8	2.24	2.48	0.09	0.05	0.24	0.037	0.05	13.1	9.8	0.09	562	12.50
CC79986		1.47	26.6	2.85	2.47	0.08	0.05	0.20	0.034	0.05	12.6	10.7	0.11	773	12.00
CC79987		1.39	24.4	2.84	2.33	0.08	0.06	0.22	0.034	0.05	11.8	9.7	0.10	531	12.55



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Project: Fireside- Java

CERTIFICATE OF ANALYSIS WH11099289

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
CC79979		0.37	73.0	1230	22.1	16.0	0.016	0.09	1.19	5.0	4.8	0.4	27.9	0.01	0.08
CC79980		0.36	80.3	1710	20.7	14.8	0.010	0.10	1.24	5.0	5.0	0.4	47.3	0.01	0.12
CC79991		0.52	36.0	1140	11.7	7.1	0.009	0.08	4.09	2.4	4.7	0.4	25.4	0.01	0.07
CC79992		0.43	37.9	1370	12.0	8.9	0.014	0.08	3.55	2.4	4.4	0.4	25.7	0.01	0.08
CC79993		0.53	35.3	1220	11.6	8.9	0.006	0.05	4.12	2.6	3.5	0.4	23.7	0.01	0.07
CC79994		0.44	33.7	1620	11.7	8.6	0.017	0.07	2.90	2.4	4.0	0.3	23.1	<0.01	0.07
CC79818		0.64	65.0	1340	11.7	8.2	0.006	0.08	6.03	2.1	4.3	0.5	31.3	<0.01	0.09
CC79819		0.59	82.5	1510	12.4	9.2	0.007	0.09	6.29	2.2	5.0	0.5	32.8	<0.01	0.09
CC79820		0.67	102.0	1810	14.4	10.1	0.010	0.10	7.45	2.6	5.5	0.5	37.2	0.01	0.10
CC79895		0.76	6.7	410	11.9	6.5	0.009	0.06	3.60	3.5	4.4	0.6	17.4	<0.01	0.08
CC79896		0.80	7.5	490	11.7	5.6	0.007	0.06	4.59	3.2	5.8	0.5	19.5	<0.01	0.08
CC79897		0.79	29.3	740	12.4	8.5	0.009	0.06	6.55	3.4	4.8	0.6	24.0	<0.01	0.10
CC79898		0.72	83.5	2290	13.6	11.4	0.033	0.13	18.15	3.3	12.7	0.7	89.3	0.01	0.26
CC79899		0.76	50.1	930	12.3	9.0	0.008	0.06	6.57	3.0	4.8	0.6	24.9	<0.01	0.10
CC79900		0.67	47.3	940	13.0	8.6	0.009	0.06	6.54	3.2	4.9	0.6	25.3	<0.01	0.10
CC79915		0.46	34.9	1310	14.2	7.1	0.006	0.05	2.03	2.6	2.1	0.3	23.6	<0.01	0.06
CC79916		0.49	26.2	1310	16.2	6.9	0.001	0.05	2.24	2.9	2.3	0.3	25.3	<0.01	0.06
CC79917		0.58	27.8	1210	14.7	7.9	0.005	0.07	2.01	3.0	2.6	0.4	21.4	0.01	0.06
CC79918		0.56	23.3	930	12.7	4.9	0.001	0.04	2.72	2.7	2.3	0.3	21.7	<0.01	0.07
CC79919		0.48	17.1	1060	13.9	7.9	0.003	0.05	1.79	2.7	1.9	0.4	21.2	<0.01	0.05
CC79920		0.48	18.8	1120	12.0	8.2	0.007	0.09	1.33	2.5	2.4	0.3	24.5	<0.01	0.05
CC79931		0.81	74.4	1620	13.2	8.6	0.007	0.08	7.15	2.5	4.7	0.5	33.2	0.01	0.09
CC79932		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC79933		0.78	89.6	1530	13.1	10.0	0.010	0.08	6.14	2.4	4.7	0.4	31.9	0.01	0.09
CC79934		0.85	69.9	1400	13.4	9.5	0.007	0.07	6.13	2.4	4.2	0.5	29.9	0.01	0.08
CC79935		0.86	55.6	1690	13.1	10.2	0.006	0.07	6.78	2.9	3.4	0.5	25.5	0.01	0.11
CC79936		0.57	169.0	1660	26.8	10.4	0.007	0.06	4.96	4.4	3.1	0.4	24.9	0.01	0.07
CC79937		0.58	220	1970	14.1	18.0	0.033	0.14	4.87	2.8	6.7	0.9	28.7	0.01	0.11
CC79960		0.67	64.4	1080	15.5	10.3	0.008	0.06	7.14	3.6	5.0	0.6	28.5	<0.01	0.10
CC79961		0.67	69.9	1070	15.4	10.0	0.007	0.06	7.01	3.6	4.7	0.6	27.6	<0.01	0.09
CC79962		0.57	80.9	1210	16.3	10.5	0.007	0.06	6.83	3.6	5.0	0.6	29.2	<0.01	0.10
CC79963		0.58	66.5	1230	16.5	9.6	0.006	0.06	6.49	3.5	4.3	0.5	26.1	0.01	0.08
CC79964		0.55	76.4	1320	18.2	11.8	0.007	0.08	7.07	3.6	5.5	0.6	31.2	0.01	0.10
CC79981		0.29	15.9	450	13.1	7.7	0.001	0.05	1.30	2.3	2.0	0.4	17.8	<0.01	0.06
CC79982		0.23	43.7	890	15.2	10.4	0.007	0.08	2.55	3.9	4.3	0.4	29.9	<0.01	0.08
CC79983		0.30	44.3	1080	15.7	9.3	0.012	0.07	3.46	4.3	4.5	0.5	30.1	0.01	0.10
CC79984		0.31	27.7	920	14.7	8.1	0.006	0.09	2.79	2.9	3.9	0.4	27.8	<0.01	0.08
CC79985		0.34	51.6	940	15.6	9.2	0.010	0.11	2.87	3.8	4.5	0.5	31.5	<0.01	0.09
CC79986		0.36	38.7	1050	14.9	8.8	0.008	0.07	2.46	3.4	3.5	0.4	28.9	0.01	0.07
CC79987		0.34	32.4	1140	14.1	10.4	0.005	0.08	2.52	3.1	3.4	0.4	25.5	<0.01	0.08



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC79979		<0.005	0.25	2.37	46	0.14	16.75	261	3.1
CC79980		<0.005	0.25	2.46	43	0.09	18.90	415	3.2
CC79991		0.013	0.44	7.47	129	0.14	13.20	237	1.0
CC79992		0.011	0.56	6.78	141	0.13	13.90	315	0.9
CC79993		0.012	0.52	5.96	177	0.13	13.35	287	1.0
CC79994		0.010	0.68	6.30	127	0.11	12.65	365	1.2
CC79818		0.041	1.42	4.10	136	0.15	10.75	660	<0.5
CC79819		0.035	1.64	4.80	148	0.17	12.95	773	<0.5
CC79820		0.036	1.78	5.21	189	0.19	15.45	1000	0.5
CC79895		0.068	0.50	5.44	40	0.06	3.28	21	1.2
CC79896		0.065	0.60	4.79	72	0.11	4.09	26	1.6
CC79897		0.070	1.92	7.56	281	0.10	10.75	121	1.7
CC79898		0.037	4.62	24.3	827	0.32	41.3	233	0.5
CC79899		0.068	2.38	7.13	226	0.11	9.94	223	1.1
CC79900		0.056	2.27	7.90	245	0.12	11.25	237	1.0
CC79915		0.009	0.31	3.36	78	0.12	11.00	299	1.4
CC79916		0.009	0.21	2.31	85	0.12	11.40	186	1.3
CC79917		0.007	0.24	5.29	69	0.11	11.10	237	1.7
CC79918		0.013	0.14	2.28	69	0.13	9.80	120	1.2
CC79919		0.007	0.18	2.47	64	0.52	9.04	114	1.3
CC79920		0.006	0.13	2.84	41	0.14	9.10	112	2.0
CC79931		0.045	1.38	4.48	172	0.18	12.75	825	0.6
CC79932		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC79933		0.038	1.80	4.57	156	0.16	13.10	941	0.6
CC79934		0.042	1.51	3.89	138	0.15	11.90	765	0.7
CC79935		0.028	0.75	5.01	166	0.15	12.30	821	1.4
CC79936		0.012	1.77	4.21	144	0.14	32.0	1500	2.2
CC79937		0.012	5.96	11.00	157	0.16	24.8	1690	1.9
CC79960		0.053	2.47	8.17	251	0.12	14.05	338	0.8
CC79961		0.048	2.36	7.54	249	0.12	14.35	385	0.9
CC79962		0.038	2.44	8.02	256	0.12	15.90	459	0.6
CC79963		0.039	1.98	6.64	222	0.13	15.35	403	0.7
CC79964		0.033	2.51	7.38	263	0.13	16.40	482	0.6
CC79981		0.010	0.20	1.63	28	0.08	3.46	84	<0.5
CC79982		<0.005	0.31	2.55	32	0.15	11.35	245	1.3
CC79983		0.005	0.30	3.61	52	0.20	13.20	232	1.1
CC79984		0.005	0.23	3.30	52	0.17	9.95	122	1.0
CC79985		0.005	0.28	3.58	51	0.23	11.65	255	1.4
CC79986		0.005	0.24	3.94	49	0.15	11.25	224	1.4
CC79987		0.006	0.21	3.94	50	0.16	10.60	216	1.5



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC79988		0.18	0.003	0.99	0.91	16.6	<0.2	<10	1740	0.63	0.20	0.68	2.18	26.5	13.4	15
CC79989		0.22	0.004	1.20	0.95	20.3	<0.2	<10	1600	0.70	0.20	0.63	1.97	27.7	13.7	17
CC79990		0.26	0.002	0.98	0.83	15.3	<0.2	<10	1560	0.58	0.18	0.54	1.55	23.6	11.0	14
CC95554		0.20	0.003	1.17	0.76	13.8	<0.2	<10	2290	0.56	0.16	0.07	0.32	17.25	4.2	13
CC95555		0.22	0.001	0.73	0.93	11.8	<0.2	<10	1230	0.20	0.26	0.03	0.15	21.6	3.6	15
CC95556		0.28	0.002	0.76	0.76	10.8	<0.2	<10	2700	0.33	0.23	0.03	0.16	21.4	3.2	11
CC95557		0.14	0.002	1.34	0.44	7.3	<0.2	<10	2060	0.26	0.14	0.05	0.20	8.92	1.9	8
CC95558		0.14	0.002	1.02	1.31	11.1	<0.2	<10	180	0.29	0.27	0.07	0.18	29.9	4.8	18
CC95559		0.30	0.002	2.09	1.06	28.4	<0.2	<10	1350	1.10	0.23	0.12	0.37	23.9	7.9	28
CC95560		0.24	0.001	0.25	0.63	3.1	<0.2	<10	570	0.18	0.18	0.15	0.19	28.9	1.0	8
CC95561		0.24	0.001	0.18	0.98	10.0	<0.2	<10	170	0.21	0.24	0.07	0.13	25.1	2.6	14
CC95562		0.22	0.004	2.98	1.29	14.0	<0.2	<10	2260	0.64	0.24	0.59	1.44	21.2	8.8	17
CC95563		0.32	0.005	4.72	1.47	18.2	<0.2	<10	1600	0.84	0.27	0.61	1.29	23.7	14.3	20
CC95564		0.22	0.003	1.96	1.10	23.9	<0.2	<10	960	1.92	0.20	0.49	3.33	21.8	42.0	16
CC95565		0.10	<0.001	7.00	0.89	64.9	<0.2	<10	1320	0.64	0.14	0.82	6.82	15.95	116.0	9
CC95566		0.20	0.007	4.06	1.22	12.6	<0.2	<10	3060	0.75	0.23	0.48	2.26	24.0	13.4	16
CC95581		0.04	0.001	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC95582		0.06	0.001	0.16	1.02	18.7	<0.2	<10	390	0.31	0.22	0.56	2.80	22.5	5.4	24
CC95583		0.04	0.001	0.15	0.23	1.8	<0.2	<10	620	0.22	0.04	2.90	9.04	8.15	2.5	2
CC95584		0.08	0.001	0.65	1.02	9.1	<0.2	<10	1020	0.50	0.17	0.53	7.87	22.6	4.5	17
CC95585		0.10	0.001	0.28	0.74	13.1	<0.2	<10	1050	0.54	0.18	0.30	4.36	31.7	3.4	16
CC95586		0.08	0.003	0.31	0.83	9.1	<0.2	<10	960	0.55	0.18	0.23	7.37	25.5	2.8	19
CC95587		0.14	0.001	0.71	1.00	14.8	<0.2	<10	1080	0.69	0.17	0.33	5.03	29.6	3.7	28
CC95588		0.10	0.001	0.38	0.95	17.8	<0.2	<10	1330	0.71	0.17	0.32	5.31	32.9	4.7	29
CC95589		0.04	0.001	0.41	0.56	3.6	<0.2	<10	870	0.29	0.07	3.16	11.45	9.59	3.9	11
CC95590		0.06	<0.001	0.22	0.68	7.4	<0.2	<10	280	0.64	0.15	0.16	2.44	18.15	2.2	14
CC95591		0.06	<0.001	0.40	0.45	2.6	<0.2	<10	130	0.23	0.08	0.05	0.53	9.75	1.1	6
CC95592		0.04	0.002	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC95593		0.08	0.003	0.66	0.83	22.7	<0.2	<10	1120	0.57	0.17	1.00	3.40	26.9	7.0	22
CC95594		0.06	0.003	0.48	1.06	17.1	<0.2	<10	1130	0.58	0.20	1.55	4.01	28.5	11.4	29
CC95595		0.10	0.002	0.23	0.38	6.1	<0.2	<10	780	0.42	0.08	4.55	5.27	12.30	4.1	7
CC95596		0.10	0.002	0.37	0.63	11.4	<0.2	<10	610	0.49	0.11	2.72	2.86	17.80	6.9	14
CC95597		0.06	NSS	0.17	0.37	20.4	<0.2	<10	310	0.21	0.09	3.17	3.10	9.37	3.3	8
CC95598		0.06	NSS	0.15	0.57	4.2	<0.2	<10	440	0.21	0.13	3.46	2.26	9.16	4.0	11
CC95599		0.12	0.001	0.18	0.79	7.0	<0.2	<10	340	0.40	0.17	0.23	0.56	21.2	2.2	19
CC95600		0.06	0.001	0.32	0.56	12.1	<0.2	<10	530	0.40	0.16	0.79	0.70	22.7	2.1	16
CC95601		0.06	0.002	0.30	1.67	15.0	<0.2	<10	440	0.56	0.37	2.47	1.02	22.3	8.3	32
CC95602		0.04	NSS	0.23	0.39	2.0	<0.2	<10	540	0.21	0.06	3.97	1.10	5.06	1.4	4
CC114615		0.28	0.002	0.31	0.89	7.9	<0.2	<10	1000	0.46	0.16	0.87	0.89	23.7	6.1	19
CC114616		0.36	0.002	0.26	0.83	7.7	<0.2	<10	550	0.50	0.15	1.13	0.62	22.8	7.1	19



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
CC79988		1.32	28.5	2.68	2.79	0.09	0.07	0.22	0.037	0.06	14.0	11.0	0.16	728	13.60
CC79989		1.49	33.5	2.86	2.79	0.08	0.08	0.25	0.037	0.06	14.4	11.0	0.14	718	15.60
CC79990		1.38	28.9	2.21	2.54	0.08	0.07	0.17	0.035	0.05	12.7	10.1	0.12	239	14.35
CC95554		1.29	33.5	2.74	1.93	0.07	0.02	0.09	0.040	0.04	9.6	5.2	0.06	91	10.35
CC95555		1.68	10.3	2.48	4.37	0.06	0.02	0.05	0.024	0.04	11.3	6.7	0.14	160	4.00
CC95556		1.67	14.4	2.01	3.92	0.06	0.02	0.07	0.024	0.03	11.1	4.6	0.07	110	5.06
CC95557		2.33	14.1	1.50	1.86	<0.05	0.02	0.15	0.025	0.04	4.9	2.0	0.03	46	5.36
CC95558		1.98	9.0	2.60	5.10	0.07	0.03	0.06	0.026	0.04	14.9	16.8	0.27	201	2.49
CC95559		2.61	30.8	4.90	3.73	0.14	0.05	0.07	0.048	0.08	12.5	7.1	0.10	132	7.86
CC95560		1.89	6.5	0.57	4.60	<0.05	<0.02	0.05	0.010	0.03	14.7	1.8	0.05	29	1.14
CC95561		1.92	5.8	1.69	4.89	0.05	<0.02	0.08	0.020	0.03	11.9	7.3	0.12	90	2.34
CC95562		8.99	34.8	3.61	3.31	0.10	0.07	0.39	0.043	0.07	11.1	15.1	0.11	406	8.56
CC95563		9.95	40.5	3.66	3.70	0.11	0.08	0.61	0.050	0.08	12.2	22.7	0.14	507	9.04
CC95564		6.53	48.6	6.80	2.54	0.14	0.07	0.25	0.039	0.05	11.2	20.1	0.13	950	11.80
CC95565		9.54	33.3	15.95	2.24	0.29	0.09	0.35	0.026	0.06	8.5	13.6	0.08	3540	32.3
CC95566		8.91	34.2	3.14	2.87	0.09	0.07	0.55	0.044	0.07	12.3	16.5	0.12	445	6.27
CC95581		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC95582		1.44	11.8	1.68	4.43	0.05	0.03	0.05	0.021	0.06	11.7	11.2	0.38	204	3.48
CC95583		0.21	7.4	0.28	0.59	<0.05	0.04	0.15	0.005	0.03	4.2	0.4	0.13	125	5.92
CC95584		0.89	10.3	1.56	3.94	0.05	0.03	0.06	0.024	0.07	11.5	8.0	0.21	395	4.08
CC95585		0.82	19.2	1.49	3.26	0.05	0.02	0.04	0.023	0.09	16.4	6.1	0.15	176	7.30
CC95586		0.94	14.3	1.35	3.85	0.05	<0.02	0.03	0.025	0.07	13.0	5.3	0.19	64	3.61
CC95587		1.24	18.9	1.75	3.89	0.07	0.03	0.07	0.029	0.09	15.1	7.7	0.47	80	6.90
CC95588		1.26	22.6	1.95	3.59	0.07	0.02	0.04	0.028	0.09	17.3	7.3	0.40	114	10.20
CC95589		0.60	12.4	0.70	1.70	<0.05	0.06	0.14	0.012	0.05	4.9	3.0	0.18	509	2.33
CC95590		1.94	8.7	1.40	2.75	<0.05	<0.02	0.04	0.023	0.04	9.2	3.7	0.09	46	1.71
CC95591		1.12	5.2	0.67	1.80	<0.05	<0.02	0.04	0.010	0.03	4.9	1.2	0.03	25	0.82
CC95592		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC95593		1.13	28.0	2.16	2.79	0.07	0.06	0.14	0.028	0.10	14.6	6.3	0.17	308	14.70
CC95594		1.35	20.3	2.12	3.39	0.06	0.09	0.12	0.030	0.09	14.6	12.1	0.34	606	7.50
CC95595		0.46	22.8	0.77	1.18	<0.05	0.07	0.11	0.012	0.05	6.6	2.5	0.19	274	2.03
CC95596		0.72	25.7	1.18	2.07	0.05	0.06	0.11	0.019	0.06	9.7	6.5	0.16	508	4.79
CC95597		0.55	13.9	0.64	1.08	0.08	0.05	0.25	0.011	0.07	4.5	3.3	0.18	437	2.58
CC95598		1.34	12.6	0.78	1.61	0.09	0.06	0.14	0.012	0.05	5.2	7.4	0.49	301	2.43
CC95599		1.14	11.7	1.05	3.30	0.10	<0.02	0.05	0.019	0.06	13.6	5.6	0.15	33	7.56
CC95600		1.31	19.9	1.26	2.64	0.11	<0.02	0.08	0.021	0.06	14.2	4.1	0.11	28	14.70
CC95601		2.98	16.2	2.12	4.34	0.11	0.06	0.08	0.021	0.08	12.7	19.5	1.73	595	3.62
CC95602		0.29	13.5	0.38	0.93	0.09	0.07	0.12	0.008	0.05	3.0	1.4	0.12	272	2.21
CC114615		0.95	22.3	2.03	2.62	0.10	0.07	0.12	0.023	0.05	13.7	17.9	0.38	187	2.56
CC114616		0.77	16.7	2.01	2.35	0.11	0.05	0.08	0.024	0.04	12.8	17.2	0.71	219	2.60



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
CC79988		0.43	36.1	1210	16.1	9.7	0.007	0.08	3.11	3.5	4.1	0.5	31.0	0.01	0.09
CC79989		0.44	40.1	1250	17.6	10.5	0.007	0.07	3.82	3.8	4.3	0.5	29.7	0.01	0.10
CC79990		0.45	35.6	1140	15.2	9.7	0.010	0.09	3.20	3.2	3.9	0.5	26.5	0.01	0.08
CC95554		0.33	24.8	1300	14.9	7.2	0.001	0.13	2.53	2.7	4.0	0.6	34.2	<0.01	0.09
CC95555		0.46	12.0	1170	15.0	11.7	<0.001	0.06	1.04	0.8	1.5	0.6	14.2	<0.01	0.06
CC95556		0.52	11.9	760	16.3	8.8	<0.001	0.09	1.94	1.5	1.6	0.7	20.7	<0.01	0.06
CC95557		0.13	10.4	1400	12.7	8.6	<0.001	0.13	0.96	1.0	1.9	0.6	20.3	<0.01	0.05
CC95558		0.99	12.5	880	16.5	9.8	<0.001	0.02	0.71	1.6	0.7	0.6	9.2	<0.01	0.05
CC95559		0.28	48.2	4820	61.1	10.2	<0.001	0.18	2.96	2.9	14.6	0.5	141.0	0.01	0.11
CC95560		0.18	4.6	720	9.2	7.8	<0.001	0.04	0.31	0.5	0.3	0.8	10.3	<0.01	0.02
CC95561		0.56	7.6	990	17.8	9.6	<0.001	0.04	1.05	0.8	0.5	0.6	7.6	<0.01	0.04
CC95562		0.35	75.0	2710	21.2	22.8	0.005	0.11	1.55	2.8	5.0	0.5	35.9	0.01	0.08
CC95563		0.36	74.8	3150	27.7	22.6	0.006	0.09	2.01	3.4	5.5	0.5	63.6	0.01	0.10
CC95564		0.37	163.0	2690	18.9	13.9	0.004	0.07	3.14	3.5	4.4	0.4	51.6	0.01	0.10
CC95565		0.39	152.5	>10000	12.6	15.7	0.005	0.14	12.20	3.3	6.7	0.3	40.6	0.01	0.13
CC95566		0.35	69.4	2320	19.7	18.0	0.008	0.10	1.55	3.3	3.7	0.5	67.1	0.01	0.08
CC95581		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC95582		0.67	16.3	1380	12.8	11.4	<0.001	0.06	0.99	1.5	0.8	0.4	14.9	0.01	0.04
CC95583		0.15	6.1	950	3.6	2.5	<0.001	0.20	0.47	0.7	0.9	<0.2	35.2	0.01	0.02
CC95584		0.32	15.2	2610	11.0	10.7	<0.001	0.10	1.10	0.9	1.0	0.4	15.8	0.01	0.03
CC95585		0.26	25.2	1270	16.4	14.1	<0.001	0.05	2.51	0.7	1.6	0.5	17.6	<0.01	0.04
CC95586		0.12	21.2	1610	21.0	9.1	<0.001	0.05	1.25	0.5	1.1	0.5	16.7	<0.01	0.03
CC95587		0.25	36.7	1650	18.8	11.8	<0.001	0.07	2.58	0.8	2.2	0.4	25.6	<0.01	0.04
CC95588		0.18	42.7	1700	22.6	12.3	<0.001	0.06	3.67	0.9	2.8	0.5	30.6	<0.01	0.05
CC95589		0.47	11.3	1690	5.4	8.7	<0.001	0.24	1.88	1.0	2.0	0.2	53.9	0.01	0.03
CC95590		0.11	11.4	1700	51.0	8.2	<0.001	0.04	1.07	0.4	0.6	0.3	9.2	<0.01	0.03
CC95591		0.14	4.3	960	10.5	4.6	<0.001	0.04	0.24	0.4	0.3	0.2	4.6	<0.01	0.01
CC95592		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC95593		0.58	48.5	1460	17.8	10.9	0.001	0.10	5.61	2.7	3.8	0.4	32.4	0.01	0.06
CC95594		0.77	39.4	1490	17.3	11.1	0.001	0.10	3.23	3.1	2.4	0.4	33.0	0.01	0.06
CC95595		0.29	23.3	1270	6.7	6.2	<0.001	0.21	2.67	1.0	2.0	<0.2	49.7	0.01	0.03
CC95596		0.51	28.9	1190	8.7	6.1	<0.001	0.13	2.88	1.6	2.5	0.3	37.2	0.01	0.04
CC95597		0.36	10.1	1130	5.1	5.8	<0.001	0.21	1.42	0.9	0.7	0.2	36.2	<0.01	0.02
CC95598		0.75	10.6	870	6.9	10.5	<0.001	0.18	1.17	1.0	0.6	0.2	29.8	<0.01	0.02
CC95599		0.21	14.1	1210	9.9	7.7	<0.001	0.07	1.99	0.2	1.3	0.5	13.1	<0.01	0.03
CC95600		0.60	19.3	910	10.4	8.2	<0.001	0.10	3.76	1.0	2.3	0.5	21.9	<0.01	0.05
CC95601		2.25	22.4	870	14.7	13.4	<0.001	0.10	2.13	2.0	1.5	0.4	23.5	0.02	0.04
CC95602		0.30	5.6	1090	2.5	2.7	<0.001	0.21	1.71	0.5	1.7	<0.2	43.8	0.01	0.01
CC114615		0.62	27.4	1000	11.1	6.9	0.005	0.10	1.88	2.4	2.3	0.3	32.8	<0.01	0.04
CC114616		0.52	26.3	780	10.8	4.3	0.002	0.06	1.65	2.5	1.4	0.3	24.8	<0.01	0.04



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC79988		0.006	0.24	4.14	61	0.21	12.00	211	2.1
CC79989		0.007	0.35	5.76	85	0.21	14.10	244	2.0
CC79990		0.008	0.32	4.96	80	0.17	11.65	219	1.8
CC95554		0.011	0.27	2.30	42	0.12	8.48	113	0.5
CC95555		0.013	0.16	0.66	37	0.26	2.36	58	<0.5
CC95556		0.010	0.16	0.90	41	0.16	4.64	57	<0.5
CC95557		<0.005	0.14	1.23	24	0.07	3.45	52	<0.5
CC95558		0.015	0.14	0.69	38	0.26	3.25	60	0.7
CC95559		0.006	0.24	3.08	66	0.14	18.20	245	0.9
CC95560		0.008	0.17	0.53	21	0.12	2.14	19	<0.5
CC95561		0.011	0.20	0.72	41	0.21	2.27	46	<0.5
CC95562		0.005	0.42	3.94	37	0.12	23.0	302	0.9
CC95563		0.005	0.50	4.11	45	0.16	23.1	286	1.3
CC95564		0.007	0.36	5.67	42	0.13	24.4	562	1.5
CC95565		0.006	2.07	14.90	27	0.28	21.8	575	1.8
CC95566		0.007	0.44	3.84	37	0.14	27.4	327	1.0
CC95581		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC95582		0.019	0.26	1.37	77	0.67	5.08	131	0.7
CC95583		<0.005	0.04	0.50	9	0.12	4.31	79	1.4
CC95584		0.007	0.22	1.60	65	0.15	8.56	130	0.6
CC95585		0.009	0.34	1.84	100	0.18	8.85	172	<0.5
CC95586		<0.005	0.19	1.45	63	0.21	7.85	126	<0.5
CC95587		0.013	0.39	2.06	104	0.16	11.25	260	<0.5
CC95588		0.012	0.51	2.23	152	0.21	12.00	323	<0.5
CC95589		0.013	0.16	1.60	35	0.06	6.65	127	2.3
CC95590		<0.005	0.30	1.11	25	0.30	4.24	101	<0.5
CC95591		0.007	0.11	0.62	15	0.09	2.46	17	<0.5
CC95592		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC95593		0.014	0.88	2.51	211	0.19	13.50	344	1.7
CC95594		0.016	0.59	2.00	160	0.30	12.65	325	3.3
CC95595		0.007	0.12	1.46	29	0.09	9.89	166	2.4
CC95596		0.011	0.36	3.10	101	0.12	10.95	194	2.0
CC95597		0.008	0.14	0.83	38	0.06	4.63	102	2.0
CC95598		0.020	0.19	0.92	53	0.07	4.58	164	1.9
CC95599		0.008	0.41	1.20	113	0.20	4.29	80	<0.5
CC95600		0.015	0.44	1.83	135	0.14	5.37	106	<0.5
CC95601		0.071	0.35	1.29	115	0.19	10.25	130	2.4
CC95602		0.009	0.06	0.95	24	<0.05	3.77	51	2.3
CC114615		0.017	0.10	1.61	36	0.07	9.70	114	2.1
CC114616		0.016	0.08	0.90	36	0.08	8.55	113	1.9



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC114617		0.46	0.001	0.24	0.75	7.3	<0.2	<10	550	0.40	0.13	1.01	0.56	23.3	6.8	15
CC114618		0.44	0.003	0.29	0.85	9.1	<0.2	<10	670	0.53	0.14	1.09	0.73	28.4	7.6	17
CC114619		0.30	0.001	0.24	0.84	8.6	<0.2	<10	650	0.41	0.12	1.18	0.66	26.1	7.1	16
CC114620		0.24	0.001	0.53	0.84	10.7	<0.2	<10	1170	0.66	0.18	1.37	0.96	24.8	9.1	16
CC114630		0.20	0.002	0.70	0.83	16.0	<0.2	<10	1010	0.81	0.19	0.42	0.70	21.6	10.6	16
CC114631		0.18	0.004	0.71	0.81	18.4	<0.2	<10	1380	0.80	0.18	0.59	1.23	21.5	11.0	15
CC114632		0.26	0.002	0.97	1.08	13.4	<0.2	<10	1600	0.82	0.21	0.62	1.21	27.1	8.4	19
CC114633		0.12	0.005	0.63	0.80	18.2	<0.2	<10	1390	0.82	0.19	0.58	1.08	24.2	7.6	17
CC114634		0.26	0.007	0.71	0.77	16.3	<0.2	<10	1490	0.76	0.19	0.38	0.64	24.3	7.5	17
CC114635		0.30	0.010	0.43	0.86	17.2	<0.2	<10	610	0.75	0.16	1.03	1.08	21.9	15.6	15
CC114636		0.22	0.002	0.66	0.88	13.6	<0.2	<10	1040	0.72	0.19	0.77	0.99	23.3	9.0	17
CC114637		0.30	0.002	0.65	0.70	17.3	<0.2	<10	1270	0.68	0.17	1.30	0.97	23.6	8.2	15
CC114638		0.22	0.010	0.51	0.77	15.3	<0.2	<10	1150	0.64	0.17	2.57	1.08	26.0	8.6	15
CC114639		0.36	0.002	0.41	0.96	11.3	<0.2	<10	1020	0.63	0.18	0.61	0.86	30.0	8.8	18
CC114640		0.26	0.003	0.30	1.16	10.6	<0.2	<10	420	0.27	0.30	0.04	0.12	32.5	4.8	17
CC114641		0.26	0.004	0.43	1.09	7.1	<0.2	<10	590	0.33	0.26	0.04	0.22	36.1	4.4	16
CC114642		0.22	0.003	0.35	1.53	9.3	<0.2	<10	350	0.50	0.20	0.05	0.16	27.7	6.3	22
CC114643		0.26	0.004	0.58	1.31	10.9	<0.2	<10	280	0.24	0.29	0.04	0.13	31.6	4.5	21
CC114644		0.26	0.007	0.21	1.30	10.3	<0.2	<10	430	0.55	0.21	0.09	0.22	30.5	8.2	21
CC114645		0.22	0.006	0.41	1.43	11.5	<0.2	<10	990	0.73	0.24	0.68	0.44	37.4	10.4	28
CC114646		0.22	0.005	0.25	1.04	11.1	<0.2	<10	1210	0.64	0.20	0.29	0.61	28.3	8.9	22
CC114647		0.26	0.006	0.12	1.09	10.0	<0.2	<10	1110	0.49	0.20	0.24	0.22	29.1	7.1	20
CC114648		0.14	0.004	0.15	1.06	7.0	<0.2	<10	1140	0.38	0.20	0.39	0.34	19.85	5.9	20
CC114649		0.26	0.005	0.10	0.87	8.0	<0.2	<10	730	0.29	0.24	0.16	0.23	27.8	4.4	15
CC114801		0.12	0.001	0.39	1.17	11.4	<0.2	<10	740	0.52	0.23	2.00	2.75	22.4	7.9	16
CC114802		0.12	0.001	0.50	0.95	12.3	<0.2	<10	1000	0.75	0.19	2.42	3.62	28.7	9.0	16
CC114803		0.14	0.001	0.27	0.83	6.4	<0.2	<10	640	0.42	0.15	1.97	1.70	24.0	5.0	15
CC114804		0.12	<0.001	0.17	1.03	8.3	<0.2	<10	500	0.45	0.19	0.81	1.60	30.2	7.8	17
CC114805		0.14	0.001	0.42	0.87	11.4	<0.2	<10	470	0.69	0.19	1.94	0.54	26.7	7.2	16
CC114786		0.12	0.001	0.15	0.96	8.6	<0.2	<10	230	0.64	0.17	1.72	1.80	29.4	7.6	15
CC114787		0.10	0.001	0.18	1.08	8.3	<0.2	<10	440	0.77	0.18	1.82	1.69	29.1	7.4	17
CC114788		0.14	0.001	0.20	1.17	7.8	<0.2	<10	340	0.57	0.20	1.06	1.86	24.0	6.4	18
CC114789		0.14	0.001	0.20	1.27	6.8	<0.2	<10	370	0.44	0.25	0.80	1.30	24.0	6.1	17
CC114790		0.16	0.002	0.26	1.06	8.2	<0.2	<10	250	0.62	0.16	3.85	1.03	30.0	7.8	18
CC114791		0.12	0.001	0.29	1.32	10.4	<0.2	<10	550	0.53	0.19	0.39	2.18	27.3	8.5	21
CC114792		0.10	<0.001	0.20	1.14	5.0	<0.2	<10	500	0.53	0.22	0.66	3.87	22.7	6.5	18
CC114793		0.12	0.001	0.22	1.09	7.6	<0.2	<10	400	0.57	0.20	0.46	0.80	26.7	7.8	17
CC114794		0.18	0.002	0.45	1.15	15.9	<0.2	<10	270	0.96	0.27	0.76	0.61	60.6	10.7	19
CC114795		0.16	0.001	0.20	1.23	12.0	<0.2	<10	280	0.81	0.27	0.64	1.77	40.3	9.1	19
CC114796		0.12	0.001	0.23	1.11	8.2	<0.2	<10	350	0.61	0.17	1.15	2.13	29.1	8.0	18



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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
CC114617		0.71	14.2	1.88	2.41	0.11	0.17	0.06	0.022	0.03	13.1	17.9	0.65	199	2.75
CC114618		0.81	16.9	2.15	2.59	0.11	0.05	0.06	0.028	0.04	15.7	17.8	0.66	285	2.52
CC114619		0.76	14.4	2.12	2.49	0.11	0.05	0.05	0.021	0.04	14.8	17.3	0.69	317	2.06
CC114620		0.94	21.8	2.72	2.19	0.11	0.06	0.10	0.028	0.05	15.0	11.5	0.57	623	3.63
CC114630		1.29	21.4	3.47	2.46	0.10	0.04	0.14	0.034	0.05	12.5	14.3	0.15	468	10.05
CC114631		1.03	22.9	3.89	2.17	0.11	0.04	0.11	0.032	0.05	11.8	11.2	0.18	1040	8.11
CC114632		1.24	23.5	2.52	2.88	0.11	0.11	0.14	0.033	0.06	15.9	11.3	0.21	190	6.07
CC114633		1.00	26.9	4.01	2.33	0.11	0.05	0.09	0.031	0.05	14.1	10.1	0.24	205	6.09
CC114634		0.72	22.0	3.40	2.30	0.12	0.06	0.11	0.031	0.05	14.6	9.8	0.16	160	8.68
CC114635		0.80	17.1	4.53	2.28	0.11	0.07	0.08	0.025	0.04	12.4	17.1	0.31	1630	3.43
CC114636		0.95	25.9	2.89	2.45	0.11	0.08	0.14	0.033	0.04	13.7	13.3	0.26	454	5.78
CC114637		0.80	23.8	3.09	2.08	0.11	0.06	0.09	0.027	0.04	13.4	9.9	0.53	510	6.31
CC114638		0.70	20.2	2.87	2.09	0.11	0.06	0.09	0.028	0.05	14.7	9.5	1.21	801	4.55
CC114639		0.76	19.0	2.64	2.77	0.12	0.06	0.08	0.026	0.05	17.4	17.2	0.27	566	3.59
CC114640		1.19	11.7	2.97	4.86	0.10	0.02	0.03	0.019	0.05	18.1	12.4	0.24	239	1.65
CC114641		0.97	17.4	1.91	4.62	0.11	<0.02	0.02	0.016	0.05	19.8	12.0	0.23	161	1.39
CC114642		1.20	22.5	2.75	3.92	0.10	0.05	0.03	0.027	0.04	16.1	25.7	0.31	156	1.38
CC114643		3.92	19.2	3.12	5.90	0.10	0.04	0.02	0.022	0.04	18.6	17.6	0.25	116	1.59
CC114644		2.15	22.7	2.56	3.52	0.11	0.02	0.03	0.023	0.05	16.9	22.3	0.34	197	1.65
CC114645		1.74	36.3	3.08	4.31	0.13	0.10	0.11	0.038	0.07	20.5	19.2	0.67	311	2.04
CC114646		0.63	23.8	2.65	2.90	0.11	0.04	0.04	0.030	0.07	15.1	12.9	0.26	252	2.90
CC114647		0.80	17.9	2.48	3.37	0.11	<0.02	0.01	0.025	0.05	16.4	15.9	0.32	219	2.06
CC114648		0.60	9.2	2.06	3.55	0.09	0.02	0.01	0.021	0.04	11.2	12.8	0.26	307	1.26
CC114649		0.79	9.8	1.90	3.91	0.10	<0.02	0.01	0.018	0.05	16.2	11.4	0.21	172	1.33
CC114801		0.76	13.0	2.44	3.46	0.10	0.08	0.09	0.025	0.04	11.7	14.5	0.41	1430	1.86
CC114802		0.57	21.8	2.39	2.61	0.11	0.07	0.07	0.026	0.06	16.4	10.5	0.46	885	1.99
CC114803		0.43	11.7	1.64	2.39	0.10	0.08	0.07	0.023	0.05	13.5	11.0	0.42	223	0.92
CC114804		0.60	9.9	2.13	3.17	0.11	0.06	0.14	0.023	0.05	16.5	14.2	0.38	335	1.63
CC114805		0.55	15.8	2.22	2.67	0.11	0.06	0.07	0.025	0.06	15.5	10.3	0.97	246	1.40
CC114786		0.65	15.1	2.03	3.24	0.10	0.08	0.07	0.022	0.05	16.9	12.1	0.45	377	0.61
CC114787		0.71	15.3	2.12	3.53	0.10	0.09	0.09	0.028	0.06	16.6	13.1	0.48	244	0.81
CC114788		0.69	12.3	2.16	3.77	0.10	0.06	0.04	0.024	0.06	13.8	13.4	0.43	295	0.84
CC114789		0.87	9.1	1.97	4.85	0.10	0.03	0.03	0.023	0.03	13.1	16.0	0.35	345	0.61
CC114790		0.67	16.7	2.17	3.39	0.11	0.07	0.06	0.025	0.06	16.1	13.0	2.06	290	0.93
CC114791		0.76	11.0	2.52	4.57	0.10	0.04	0.01	0.027	0.06	14.4	19.2	0.44	244	1.22
CC114792		0.71	9.3	2.17	4.32	0.09	0.02	0.02	0.020	0.05	12.3	12.2	0.31	500	0.77
CC114793		0.97	10.0	2.25	3.84	0.10	0.03	0.02	0.028	0.07	13.8	12.4	0.31	272	1.62
CC114794		0.85	15.1	3.01	3.64	0.14	0.07	0.05	0.036	0.07	38.6	14.6	0.50	407	1.13
CC114795		0.77	14.6	2.65	4.05	0.12	0.05	0.03	0.026	0.06	21.0	15.5	0.38	563	1.50
CC114796		0.82	15.6	2.12	3.78	0.10	0.06	0.07	0.025	0.05	15.6	13.1	0.40	528	1.53



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
CC114617		0.57	24.2	770	10.1	4.3	0.002	0.02	1.57	2.3	0.8	0.3	24.5	<0.01	0.03
CC114618		0.66	26.1	880	11.2	5.2	0.003	0.04	1.65	2.7	1.9	0.3	31.1	<0.01	0.03
CC114619		0.63	23.4	910	9.9	4.9	0.003	0.05	1.38	2.5	1.2	0.3	27.0	<0.01	0.03
CC114620		0.43	33.7	1160	13.6	6.9	0.007	0.06	1.71	2.7	2.7	0.4	31.6	<0.01	0.04
CC114630		0.42	32.9	1140	15.2	7.0	0.008	0.05	2.44	2.9	3.0	0.4	21.8	<0.01	0.06
CC114631		0.36	35.1	1210	13.6	7.9	0.007	0.06	2.57	2.7	3.6	0.4	25.0	<0.01	0.05
CC114632		0.51	25.9	1350	16.1	7.4	0.009	0.07	2.56	2.9	2.6	0.5	28.0	<0.01	0.07
CC114633		0.48	29.1	1360	14.3	6.7	0.009	0.07	2.83	3.1	3.4	0.4	27.7	<0.01	0.06
CC114634		0.46	25.8	1180	13.9	4.6	0.003	0.05	2.87	3.0	1.6	0.5	23.2	<0.01	0.06
CC114635		0.35	45.2	1190	12.2	7.2	0.013	0.07	1.90	3.0	3.8	0.3	26.3	<0.01	0.04
CC114636		0.47	33.2	1120	13.9	6.7	0.010	0.15	2.12	3.1	3.7	0.4	30.6	<0.01	0.05
CC114637		0.49	28.9	1260	13.8	6.0	0.009	0.08	2.67	2.8	3.4	0.4	32.5	<0.01	0.06
CC114638		0.50	26.8	1190	14.2	5.9	0.007	0.06	2.17	2.7	2.9	0.4	31.5	<0.01	0.04
CC114639		0.54	28.6	990	12.8	6.3	0.006	0.04	1.37	2.8	1.9	0.4	29.6	<0.01	0.03
CC114640		1.31	16.7	430	10.5	8.5	<0.001	<0.01	0.84	1.8	0.2	0.6	6.6	<0.01	0.03
CC114641		0.71	14.2	370	9.6	10.1	<0.001	<0.01	0.56	1.3	0.2	0.7	6.5	<0.01	0.02
CC114642		0.87	23.1	280	11.9	9.3	<0.001	<0.01	0.71	2.4	0.4	0.5	6.3	<0.01	0.02
CC114643		1.43	14.9	210	12.2	11.3	<0.001	<0.01	0.89	1.8	0.3	0.8	6.3	<0.01	0.03
CC114644		0.81	28.3	480	13.6	8.8	<0.001	<0.01	0.99	2.6	0.6	0.4	8.6	<0.01	0.04
CC114645		0.94	33.8	780	15.9	7.2	<0.001	0.01	1.32	5.3	0.9	0.5	18.6	<0.01	0.05
CC114646		0.46	29.0	690	12.7	6.8	<0.001	0.02	1.37	3.1	0.6	0.4	15.9	<0.01	0.04
CC114647		0.57	23.2	420	10.9	6.3	<0.001	0.02	0.99	2.1	0.5	0.4	11.8	<0.01	0.04
CC114648		0.58	13.8	600	11.2	5.6	<0.001	0.02	0.49	1.6	<0.2	0.5	13.1	<0.01	0.02
CC114649		0.73	11.8	490	9.6	7.8	<0.001	<0.01	0.62	1.1	<0.2	0.5	8.8	<0.01	0.03
CC114801		0.72	15.4	1390	14.1	5.2	0.001	0.10	0.77	1.7	1.6	0.4	31.6	<0.01	0.02
CC114802		0.62	26.4	1130	14.1	6.2	0.007	0.10	1.46	2.3	2.7	0.4	35.4	<0.01	0.04
CC114803		0.53	15.8	1130	9.3	5.2	0.004	0.09	0.92	1.8	2.7	0.3	26.1	<0.01	0.02
CC114804		0.78	19.7	1050	9.8	6.3	0.001	0.05	0.76	2.1	1.2	0.4	19.9	<0.01	0.02
CC114805		0.50	24.8	680	14.4	5.4	<0.001	0.01	0.96	3.5	1.0	0.3	22.0	<0.01	0.02
CC114786		0.64	21.2	1010	14.7	6.8	<0.001	0.05	1.00	2.5	0.6	0.3	22.3	<0.01	0.01
CC114787		0.80	24.3	650	14.2	6.4	<0.001	0.05	0.86	3.3	0.4	0.4	21.0	<0.01	0.01
CC114788		0.72	20.8	710	12.0	7.8	<0.001	0.03	0.76	2.3	0.4	0.4	16.2	<0.01	0.02
CC114789		0.79	11.9	520	12.4	5.9	<0.001	0.01	0.44	2.0	0.3	0.5	15.9	<0.01	0.01
CC114790		0.71	23.8	760	12.5	6.4	<0.001	0.02	1.04	3.2	0.6	0.4	27.2	<0.01	0.02
CC114791		0.73	24.0	760	11.9	9.0	<0.001	0.01	1.04	2.5	0.9	0.4	14.8	<0.01	0.02
CC114792		0.83	14.7	600	12.7	8.2	<0.001	<0.01	0.59	1.9	0.4	0.5	14.7	<0.01	0.01
CC114793		0.68	21.1	740	12.6	11.6	<0.001	0.01	0.94	3.0	0.2	0.4	13.7	<0.01	0.01
CC114794		0.64	43.5	840	24.3	6.9	<0.001	<0.01	1.13	6.4	0.9	0.4	17.2	<0.01	0.01
CC114795		0.64	24.1	520	16.7	7.5	<0.001	<0.01	1.12	3.7	0.5	0.5	16.3	<0.01	0.01
CC114796		0.62	24.0	1140	12.0	6.5	0.002	0.06	1.13	2.3	1.8	0.4	25.5	<0.01	0.02



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC114617		0.018	0.08	0.86	33	0.09	8.09	105	1.9
CC114618		0.018	0.10	0.98	38	0.08	9.82	118	2.0
CC114619		0.019	0.09	0.86	38	0.07	8.73	114	1.8
CC114620		0.010	0.12	1.69	40	0.08	13.90	169	1.8
CC114630		0.009	0.18	4.09	77	0.09	11.15	195	1.3
CC114631		0.008	0.14	3.06	61	0.08	12.00	214	1.5
CC114632		0.009	0.18	3.75	70	0.09	12.70	185	2.9
CC114633		0.010	0.15	2.88	62	0.10	12.20	190	1.8
CC114634		0.012	0.12	3.58	63	0.24	11.85	177	1.7
CC114635		0.005	0.08	1.30	36	0.06	11.55	184	2.4
CC114636		0.009	0.14	3.37	52	0.08	12.85	169	2.2
CC114637		0.012	0.13	2.59	51	0.10	12.15	153	1.9
CC114638		0.012	0.13	1.94	47	0.09	11.20	149	1.8
CC114639		0.012	0.11	2.50	43	0.09	12.10	150	2.0
CC114640		0.023	0.09	0.50	46	0.21	3.32	72	0.7
CC114641		0.018	0.11	0.45	39	0.20	5.26	61	<0.5
CC114642		0.016	0.09	0.55	39	0.17	4.89	87	1.9
CC114643		0.023	0.09	0.40	51	0.24	2.09	84	1.8
CC114644		0.017	0.08	0.61	38	0.15	6.07	99	1.0
CC114645		0.021	0.11	1.21	48	0.16	14.30	107	3.6
CC114646		0.010	0.08	0.68	41	0.10	9.51	124	1.2
CC114647		0.013	0.09	0.71	36	0.18	5.76	91	<0.5
CC114648		0.014	0.07	0.74	37	0.12	3.95	72	0.6
CC114649		0.017	0.08	0.46	36	0.18	3.51	73	<0.5
CC114801		0.012	0.09	1.34	38	0.09	7.28	124	2.1
CC114802		0.010	0.10	1.84	42	0.15	12.95	144	2.0
CC114803		0.011	0.08	1.24	31	0.16	8.77	119	2.2
CC114804		0.019	0.08	1.34	36	0.10	9.62	125	1.9
CC114805		0.011	0.08	0.54	28	0.12	11.40	90	2.0
CC114786		0.013	0.08	0.68	27	0.12	11.75	136	2.5
CC114787		0.012	0.12	0.67	30	0.36	11.80	134	3.2
CC114788		0.014	0.10	0.50	36	0.21	7.91	141	1.7
CC114789		0.013	0.10	0.65	40	0.15	4.35	79	0.8
CC114790		0.015	0.11	0.51	36	0.10	11.75	106	2.3
CC114791		0.013	0.12	0.47	51	0.17	4.54	124	1.1
CC114792		0.018	0.08	0.54	40	0.35	3.92	152	0.7
CC114793		0.013	0.17	0.63	39	0.12	5.52	118	1.0
CC114794		0.014	0.21	0.55	31	0.26	19.10	174	2.1
CC114795		0.014	0.13	0.67	45	0.16	10.65	109	1.6
CC114796		0.014	0.14	1.54	39	0.10	10.70	158	2.0



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC114797		0.10	0.001	0.52	0.84	6.4	<0.2	<10	940	0.37	0.15	1.37	3.31	20.5	6.9	12
CC114798		0.18	0.001	0.78	0.93	7.5	<0.2	<10	1540	0.37	0.17	0.61	0.72	24.1	5.0	15
CC114799		0.14	0.001	0.30	0.86	9.2	<0.2	<10	500	0.57	0.16	2.11	1.50	26.2	15.7	13
CC114800		0.10	0.001	0.19	1.06	7.7	<0.2	<10	470	0.45	0.20	1.46	0.41	19.05	6.7	14
CC114881		0.28	0.002	0.35	1.21	12.8	<0.2	<10	890	0.77	0.25	0.69	0.45	31.6	10.7	20
CC114882		0.36	0.002	0.48	0.73	11.4	<0.2	<10	1000	0.65	0.16	1.22	0.78	25.5	8.7	15
CC114883		0.34	0.002	0.54	0.67	11.6	<0.2	<10	1120	0.63	0.17	0.90	0.80	24.4	7.3	15
CC114884		0.36	0.001	0.26	0.61	9.1	<0.2	<10	810	0.48	0.13	1.45	0.61	25.5	7.1	13
CC114885		0.36	0.002	0.45	0.72	10.1	<0.2	<10	840	0.59	0.16	1.59	0.87	25.6	7.8	15
CC114886		0.40	0.002	0.75	0.77	15.4	<0.2	<10	850	0.72	0.20	0.83	0.87	22.1	12.7	15



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CERTIFICATE OF ANALYSIS WH11099289

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
CC114797		0.71	10.0	1.50	2.85	0.10	0.09	0.06	0.019	0.04	10.5	7.9	0.25	452	1.74
CC114798		0.66	12.6	1.76	3.24	0.11	0.06	0.08	0.024	0.05	12.5	9.8	0.24	186	1.77
CC114799		0.66	15.1	2.36	2.82	0.10	0.08	0.09	0.026	0.04	13.4	14.0	0.59	498	1.23
CC114800		1.00	11.6	1.84	3.39	0.10	0.08	0.08	0.019	0.04	10.5	13.5	0.32	521	0.97
CC114881		1.00	21.8	2.75	3.95	0.12	0.08	0.12	0.034	0.06	17.2	14.9	0.36	580	3.70
CC114882		0.83	23.5	2.50	2.36	0.12	0.06	0.07	0.028	0.04	14.4	10.5	0.57	475	4.12
CC114883		0.71	24.9	2.39	2.32	0.12	0.06	0.09	0.028	0.04	13.6	10.0	0.31	259	4.33
CC114884		0.64	15.3	2.05	2.17	0.11	0.04	0.04	0.020	0.03	14.1	11.3	0.83	352	2.76
CC114885		0.89	20.5	2.21	2.39	0.11	0.05	0.08	0.024	0.04	13.9	12.3	0.80	353	3.11
CC114886		1.21	23.9	3.79	2.44	0.11	0.03	0.12	0.028	0.04	11.8	10.3	0.38	458	4.80



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
CC114797		0.49	19.5	1150	10.5	6.3	0.004	0.07	1.03	1.7	2.3	0.4	32.4	<0.01	0.01
CC114798		0.47	15.7	1260	9.9	7.2	0.001	0.05	0.96	2.0	2.2	0.5	20.0	<0.01	0.01
CC114799		0.52	41.0	1020	12.0	6.1	0.005	0.09	1.00	2.0	2.4	0.3	23.5	<0.01	0.01
CC114800		0.67	13.3	1060	12.1	5.9	0.001	0.08	0.56	1.8	1.1	0.4	24.9	<0.01	0.01
CC114881		0.60	25.8	1130	16.7	9.0	0.001	0.03	1.45	3.2	1.9	0.5	21.8	<0.01	0.02
CC114882		0.40	32.0	1050	13.5	6.0	0.004	0.04	1.85	2.8	2.3	0.3	27.1	<0.01	0.05
CC114883		0.41	29.1	1040	12.8	5.9	0.005	0.05	2.12	2.7	2.8	0.3	28.8	<0.01	0.02
CC114884		0.43	24.0	890	10.5	4.7	0.002	0.03	1.43	2.2	1.3	0.3	23.1	<0.01	0.03
CC114885		0.47	28.5	990	12.0	6.0	0.005	0.06	1.64	2.8	2.9	0.3	27.1	<0.01	0.03
CC114886		0.38	39.0	1040	17.6	6.3	0.005	0.03	1.72	3.2	3.2	0.3	26.8	<0.01	0.04



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CERTIFICATE OF ANALYSIS WH11099289

Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC114797		0.011	0.14	2.02	35	0.12	6.78	162	2.6
CC114798		0.010	0.14	0.99	37	0.12	7.10	88	1.7
CC114799		0.010	0.10	2.25	27	0.08	10.50	119	2.2
CC114800		0.011	0.10	1.61	28	0.08	8.02	57	2.4
CC114881		0.011	0.16	2.03	49	0.14	12.50	130	2.6
CC114882		0.010	0.12	1.87	40	0.08	13.70	147	1.9
CC114883		0.010	0.12	2.20	40	0.10	13.35	136	2.1
CC114884		0.014	0.09	1.08	32	0.10	9.26	110	1.5
CC114885		0.012	0.11	1.46	35	0.15	11.55	132	1.8
CC114886		0.009	0.13	1.59	42	0.10	12.50	190	1.3



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Method	CERTIFICATE COMMENTS
ALL METHODS ME- MS41	NSS is non- sufficient sample. Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).



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CERTIFICATE WH11187197

Project: Fireside- Java

P.O. No.:

This report is for 25 Rock samples submitted to our lab in Whitehorse, YT, Canada on 14- SEP- 2011.

The following have access to data associated with this certificate:

SARAH EATON

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- TL44	Trace Level Au - 50 g AR	ICP- MS
ME- MS41	51 anal. aqua regia ICPMS	

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- TL44 Au ppm 0.001	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	ME- MS41 B ppm 10	ME- MS41 Ba ppm 10	ME- MS41 Be ppm 0.05	ME- MS41 Bi ppm 0.01	ME- MS41 Ca % 0.01	ME- MS41 Cd ppm 0.01	ME- MS41 Ce ppm 0.02	ME- MS41 Co ppm 0.1	ME- MS41 Cr ppm 1
K976866		0.36	0.001	0.35	3.30	18.7	<0.2	<10	80	5.76	0.08	0.02	0.56	5.45	79.2	15
K976867	Not Recvd															
K976868		0.42	<0.001	0.07	0.18	3.5	<0.2	<10	30	0.11	0.03	0.01	0.02	1.40	1.0	9
K976869		0.60	<0.001	0.12	0.28	5.6	<0.2	<10	10	0.06	0.03	0.01	0.02	1.67	0.3	13
K976870		0.34	0.001	1.34	1.64	33.6	<0.2	<10	100	16.60	0.06	0.04	0.46	7.66	95.6	10
K976871		0.54	<0.001	0.04	0.36	17.2	<0.2	<10	40	0.80	0.02	0.01	0.05	2.24	1.4	14
K973545		1.76	<0.001	0.06	0.48	12.6	<0.2	<10	230	1.53	0.02	0.01	0.10	4.40	0.8	11
K973546		0.56	0.001	0.12	0.94	2.8	<0.2	<10	170	0.52	0.08	0.01	0.08	6.64	1.0	23
K973547		0.37	<0.001	0.07	0.18	3.5	<0.2	<10	20	0.06	0.02	0.01	0.01	1.97	0.3	19
K973548		1.73	<0.001	0.11	0.73	4.9	<0.2	<10	360	0.32	0.10	0.04	0.15	3.81	1.0	23
K973549		2.76	0.001	0.03	0.05	0.7	<0.2	<10	20	<0.05	0.01	<0.01	0.01	1.30	0.2	17
K973550		1.33	0.001	0.07	0.10	8.4	<0.2	<10	20	0.05	0.01	<0.01	0.01	1.13	0.3	21
K973551		1.39	0.001	0.21	0.54	33.4	<0.2	<10	30	0.25	0.02	<0.01	0.09	1.62	0.5	44
K973552		0.45	0.001	0.36	0.31	3.3	<0.2	<10	110	0.11	0.07	0.01	0.03	3.08	0.3	24
K973553		0.41	0.002	1.03	0.72	4.0	<0.2	<10	320	0.40	0.14	0.01	0.07	5.45	0.2	77
K973554		0.76	0.001	0.12	0.27	21.2	<0.2	<10	30	0.12	0.02	<0.01	0.04	1.43	0.3	22
K973555		0.80	<0.001	0.06	0.17	3.3	<0.2	<10	30	0.09	0.02	<0.01	0.02	1.96	0.2	16
K973556		1.34	0.002	0.13	0.03	3.0	<0.2	<10	60	0.07	<0.01	0.01	0.26	0.24	37.3	<1
K973557		1.60	0.002	0.12	0.01	1.5	<0.2	<10	20	0.05	<0.01	0.01	0.14	0.07	21.7	<1
K973558		1.13	0.001	0.12	0.02	0.4	<0.2	<10	10	<0.05	<0.01	0.01	0.10	0.10	7.5	<1
K973559		0.45	0.001	0.10	2.44	2.2	<0.2	<10	430	0.59	0.12	0.01	0.09	6.64	9.5	23
K973560		0.40	0.001	0.02	0.26	1.6	<0.2	<10	60	0.33	<0.01	<0.01	0.03	2.21	1.6	14
K973561		1.23	0.001	0.03	0.23	3.2	<0.2	<10	500	0.38	<0.01	0.01	0.01	6.26	0.7	9
K973562		1.15	0.002	0.38	2.00	1.8	<0.2	<10	190	2.48	<0.01	0.01	0.51	4.21	8.5	14
K973563		0.90	0.002	0.85	1.19	5.8	<0.2	<10	100	3.07	<0.01	0.03	0.67	5.88	25.2	7



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CERTIFICATE OF ANALYSIS WH11187197

Sample Description	Method Analyte Units LOR	ME- MS41 Cs ppm 0.05	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01
K976866		1.01	94.2	16.05	2.32	0.22	0.11	0.13	0.031	0.08	3.4	18.3	0.20	307	7.79	0.01
K976867																
K976868		0.15	7.1	2.87	0.47	<0.05	0.07	0.01	0.005	0.01	0.7	1.0	0.01	30	0.27	<0.01
K976869		0.17	45.8	7.95	0.82	0.13	0.07	0.02	0.008	0.01	0.8	5.4	<0.01	26	0.35	<0.01
K976870		1.35	153.0	40.1	1.02	0.62	0.14	0.11	0.043	0.06	3.7	3.0	0.03	2400	3.38	0.01
K976871		0.05	124.5	6.38	0.76	0.10	0.04	0.01	0.027	<0.01	1.0	1.1	<0.01	41	0.34	<0.01
K973545		0.08	9.4	9.57	1.29	0.14	0.03	0.02	0.010	0.01	1.9	0.4	<0.01	25	0.35	0.01
K973546		0.62	92.6	13.80	6.34	0.18	0.16	0.09	0.122	0.03	3.0	3.9	0.01	41	0.59	0.01
K973547		0.23	8.9	1.02	1.12	<0.05	<0.02	0.02	0.016	0.01	1.0	2.4	0.01	35	0.48	<0.01
K973548		0.89	10.1	1.92	3.12	<0.05	0.14	0.03	0.025	0.04	1.7	10.7	0.04	61	0.33	<0.01
K973549		0.06	4.0	0.88	0.18	<0.05	0.02	0.01	<0.005	0.01	0.6	0.6	<0.01	28	0.25	<0.01
K973550		0.09	9.2	1.75	0.65	<0.05	0.06	0.04	0.009	0.01	0.5	0.8	<0.01	33	0.25	<0.01
K973551		0.13	76.7	12.30	1.85	0.17	0.15	0.19	0.087	0.01	0.6	1.7	<0.01	21	0.36	<0.01
K973552		0.46	16.3	5.92	3.85	0.09	0.08	0.41	0.032	0.03	1.3	2.5	<0.01	26	0.57	<0.01
K973553		1.16	23.3	15.05	2.89	0.21	0.13	1.43	0.075	0.05	2.0	9.1	<0.01	10	1.05	0.01
K973554		0.11	41.8	5.16	2.19	0.08	0.13	0.08	0.043	0.01	0.6	1.3	<0.01	29	0.55	<0.01
K973555		0.12	13.8	2.37	0.65	<0.05	0.09	0.05	0.009	0.01	0.8	0.8	<0.01	24	0.23	<0.01
K973556		0.06	0.9	>50	0.25	0.61	<0.02	0.02	<0.005	<0.01	<0.2	0.1	0.01	1100	0.07	0.01
K973557		<0.05	0.5	>50	0.19	0.66	<0.02	<0.01	<0.005	<0.01	<0.2	0.1	0.01	316	<0.05	0.01
K973558		<0.05	0.7	>50	0.19	0.66	<0.02	<0.01	<0.005	<0.01	<0.2	0.1	0.01	126	0.22	0.01
K973559		0.30	32.3	23.9	8.08	0.44	0.09	<0.01	0.042	0.01	2.9	38.6	0.39	753	0.74	0.02
K973560		0.17	7.9	2.19	0.78	<0.05	0.04	<0.01	0.029	0.01	1.0	6.2	0.06	42	0.22	0.01
K973561		0.15	15.8	4.85	0.45	0.08	0.07	0.01	0.029	0.01	2.8	1.2	<0.01	24	0.22	0.02
K973562		0.26	114.0	23.0	4.22	0.48	0.09	0.01	0.065	<0.01	1.1	14.5	0.27	1200	0.31	0.01
K973563		0.66	169.5	38.2	0.69	0.45	0.07	0.03	0.038	0.03	2.5	0.7	0.01	728	0.56	0.01



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 North Vancouver BC V7H 0A7
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CERTIFICATE OF ANALYSIS WH11187197

Sample Description	Method Analyte Units LOR	ME- MS41 Nb ppm 0.05	ME- MS41 Ni ppm 0.2	ME- MS41 P ppm 10	ME- MS41 Pb ppm 0.2	ME- MS41 Rb ppm 0.1	ME- MS41 Re ppm 0.001	ME- MS41 S % 0.01	ME- MS41 Sb ppm 0.05	ME- MS41 Sc ppm 0.1	ME- MS41 Se ppm 0.2	ME- MS41 Sn ppm 0.2	ME- MS41 Sr ppm 0.2	ME- MS41 Ta ppm 0.01	ME- MS41 Te ppm 0.01	ME- MS41 Th ppm 0.2
K976866		0.21	331	7170	8.7	9.4	0.011	0.12	1.77	9.0	3.8	0.3	6.4	0.01	0.05	2.5
K976867																
K976868		0.07	7.3	400	3.4	0.9	<0.001	0.01	0.08	1.2	0.5	<0.2	2.1	<0.01	<0.01	0.6
K976869		0.11	1.1	170	9.5	0.8	<0.001	0.04	0.18	1.1	3.9	<0.2	2.1	<0.01	0.01	0.8
K976870		0.69	551	5160	17.5	5.9	0.004	0.05	3.11	10.3	5.7	<0.2	5.0	0.03	0.05	1.8
K976871		0.09	5.0	960	12.0	0.4	<0.001	0.03	0.32	1.5	1.0	<0.2	5.3	<0.01	<0.01	0.9
K973545		0.13	3.6	2620	75.1	0.5	<0.001	0.03	0.46	3.5	0.8	<0.2	18.7	<0.01	0.01	0.7
K973546		0.21	3.6	1040	58.5	3.4	<0.001	0.07	0.15	4.4	2.3	0.2	14.7	<0.01	0.02	2.2
K973547		0.07	2.0	80	3.3	0.9	<0.001	0.01	0.15	0.8	0.7	<0.2	3.2	<0.01	0.01	0.6
K973548		0.09	8.3	190	6.1	3.2	0.001	0.02	0.10	2.3	0.5	0.2	12.0	<0.01	0.02	3.0
K973549		0.05	0.8	50	1.7	0.5	<0.001	0.01	0.08	0.2	0.2	<0.2	1.5	<0.01	<0.01	0.4
K973550		0.10	0.9	110	3.3	0.6	<0.001	0.01	0.13	0.5	0.4	<0.2	2.5	<0.01	0.01	0.9
K973551		0.15	1.9	700	15.4	0.8	<0.001	0.04	0.35	3.1	2.9	<0.2	2.2	<0.01	0.01	1.9
K973552		0.12	0.8	70	8.1	2.7	<0.001	0.01	0.14	2.6	2.3	0.2	4.1	<0.01	0.01	1.6
K973553		0.17	1.0	250	31.2	5.0	0.002	0.03	0.36	11.2	3.9	0.3	7.9	0.01	0.03	3.3
K973554		0.15	1.0	170	7.8	0.5	<0.001	0.02	0.50	1.4	2.4	<0.2	2.2	<0.01	0.01	1.4
K973555		0.06	0.8	110	6.9	0.9	<0.001	0.01	0.09	1.6	0.5	<0.2	3.2	<0.01	<0.01	1.2
K973556		0.76	39.3	90	0.3	0.2	<0.001	0.12	<0.05	0.5	<0.2	<0.2	0.7	<0.01	0.01	<0.2
K973557		0.93	23.8	40	0.2	0.1	<0.001	0.12	<0.05	0.6	<0.2	<0.2	0.5	<0.01	<0.01	<0.2
K973558		0.96	28.5	50	<0.2	0.1	<0.001	0.26	<0.05	0.4	<0.2	<0.2	0.4	<0.01	<0.01	<0.2
K973559		0.15	22.3	360	1.6	0.7	<0.001	0.07	0.09	5.9	2.7	0.4	4.6	<0.01	0.03	1.3
K973560		0.06	7.9	60	0.8	0.5	<0.001	<0.01	0.07	3.9	0.3	<0.2	1.5	<0.01	<0.01	0.5
K973561		0.06	3.8	720	57.2	0.8	<0.001	0.01	0.20	2.6	2.9	<0.2	11.0	<0.01	<0.01	1.1
K973562		0.19	32.1	1300	2.6	0.9	<0.001	0.11	0.08	7.5	8.1	<0.2	1.9	0.01	0.02	0.7
K973563		0.31	162.5	6870	4.4	3.4	0.001	0.06	0.21	7.3	2.3	<0.2	8.3	0.01	0.03	0.7



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Project: Fireside- Java

CERTIFICATE OF ANALYSIS WH11187197

Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
K976866		<0.005	0.18	4.21	40	0.11	43.4	1600	3.6
K976867									
K976868		<0.005	<0.02	0.19	4	<0.05	0.75	70	2.5
K976869		<0.005	<0.02	0.33	7	<0.05	0.58	10	3.1
K976870		<0.005	0.04	6.31	34	0.24	52.1	1300	3.1
K976871		<0.005	0.03	0.78	14	<0.05	1.11	147	1.9
K973545		<0.005	<0.02	3.55	10	<0.05	3.44	198	1.6
K973546		<0.005	0.04	1.24	20	<0.05	7.23	94	7.6
K973547		<0.005	<0.02	0.22	9	0.05	0.66	7	<0.5
K973548		<0.005	0.02	0.52	14	<0.05	3.15	19	5.2
K973549		<0.005	<0.02	0.07	1	0.05	0.23	3	1.2
K973550		<0.005	<0.02	0.37	17	<0.05	0.50	5	2.2
K973551		<0.005	<0.02	2.18	130	<0.05	1.90	46	6.8
K973552		<0.005	0.03	2.02	18	<0.05	3.83	9	3.1
K973553		<0.005	0.04	6.64	13	<0.05	10.50	12	5.0
K973554		<0.005	<0.02	1.31	36	<0.05	0.98	17	6.2
K973555		<0.005	<0.02	0.75	14	<0.05	1.70	11	3.4
K973556		<0.005	0.12	<0.05	2	<0.05	0.39	1520	<0.5
K973557		<0.005	0.04	<0.05	4	<0.05	0.31	1500	<0.5
K973558		<0.005	0.02	<0.05	3	<0.05	0.19	641	<0.5
K973559		<0.005	<0.02	0.66	49	<0.05	12.20	145	5.4
K973560		<0.005	<0.02	0.15	7	<0.05	4.52	128	1.3
K973561		<0.005	<0.02	0.57	9	<0.05	3.12	55	3.7
K973562		<0.005	<0.02	1.37	44	0.05	24.9	574	4.7
K973563		<0.005	0.04	4.46	27	0.05	25.9	661	3.6



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Project: Fireside- Java

CERTIFICATE OF ANALYSIS WH11187197

Method	CERTIFICATE COMMENTS
ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).



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CERTIFICATE WH11187198

Project: JAVA

P.O. No.:

This report is for 1 Rock sample submitted to our lab in Whitehorse, YT, Canada on 14- SEP- 2011.

The following have access to data associated with this certificate:

SARAH EATON

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- TL44	Trace Level Au - 50 g AR	ICP- MS
ME- MS41	51 anal. aqua regia ICPMS	

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11187198

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- TL44 Au ppm 0.001	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	ME- MS41 B ppm 10	ME- MS41 Ba ppm 10	ME- MS41 Be ppm 0.05	ME- MS41 Bi ppm 0.01	ME- MS41 Ca % 0.01	ME- MS41 Cd ppm 0.01	ME- MS41 Ce ppm 0.02	ME- MS41 Co ppm 0.1	ME- MS41 Cr ppm 1
1079210		1.16	0.002	0.21	0.68	173.5	<0.2	<10	1040	0.63	0.10	0.02	0.39	83.3	3.8	48



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CERTIFICATE OF ANALYSIS WH11187198

Sample Description	Method Analyte Units LOR	ME- MS41 Cs ppm 0.05	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01
1079210		1.30	549	31.1	7.48	0.48	0.07	0.06	0.234	0.18	49.0	1.1	0.02	<5	34.3	0.01



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Project: JAVA

CERTIFICATE OF ANALYSIS WH11187198

Sample Description	Method Analyte Units LOR	ME- MS41 Nb ppm 0.05	ME- MS41 Ni ppm 0.2	ME- MS41 P ppm 10	ME- MS41 Pb ppm 0.2	ME- MS41 Rb ppm 0.1	ME- MS41 Re ppm 0.001	ME- MS41 S % 0.01	ME- MS41 Sb ppm 0.05	ME- MS41 Sc ppm 0.1	ME- MS41 Se ppm 0.2	ME- MS41 Sn ppm 0.2	ME- MS41 Sr ppm 0.2	ME- MS41 Ta ppm 0.01	ME- MS41 Te ppm 0.01	ME- MS41 Th ppm 0.2
1079210		0.61	36.2	5180	16.0	6.4	0.043	0.27	6.73	5.7	28.7	0.4	21.5	<0.01	0.09	5.9



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Project: JAVA

CERTIFICATE OF ANALYSIS WH11187198

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
1079210		0.033	0.17	7.29	1360	0.18	8.46	102	5.0



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Project: JAVA

CERTIFICATE OF ANALYSIS WH11187198

Method	CERTIFICATE COMMENTS
ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).



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CERTIFICATE WH11188170

Project: JAVA

P.O. No.:

This report is for 185 Soil samples submitted to our lab in Whitehorse, YT, Canada on 14- SEP- 2011.

The following have access to data associated with this certificate:

SARAH EATON

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- TL43	Trace Level Au - 25g AR	ICP- MS
ME- MS41	51 anal. aqua regia ICPMS	

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
ATTN: JOAN MARIACHER
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VANCOUVER BC V6B 1L8**

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Account: F

Project: JAVA

CERTIFICATE OF ANALYSIS WH11188170

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ25201		0.24	0.001	0.28	0.82	7.4	<0.2	<10	730	0.41	0.22	0.60	0.42	25.6	5.9	15
ZZ25202		0.16	0.001	0.26	1.03	9.3	<0.2	<10	1140	0.66	0.20	0.99	0.54	25.8	7.3	15
ZZ25203		0.22	0.001	0.36	1.10	12.3	<0.2	<10	210	0.37	0.25	0.04	0.27	28.6	5.7	19
ZZ25204		0.36	0.002	0.41	1.05	12.8	<0.2	<10	830	0.65	0.23	0.13	0.49	30.3	6.8	17
ZZ25205		0.20	<0.001	0.44	0.53	4.8	<0.2	<10	250	0.25	0.14	0.10	0.17	22.2	2.7	10
ZZ25206		0.22	0.002	0.79	1.07	9.4	<0.2	<10	1070	0.64	0.20	0.44	0.99	32.7	6.7	16
ZZ25207		0.28	0.001	0.44	1.03	14.9	<0.2	<10	630	0.73	0.17	0.69	0.71	41.5	7.5	17
ZZ25208		0.30	0.001	0.15	1.20	15.0	<0.2	<10	720	0.83	0.20	0.22	0.48	37.3	9.0	20
ZZ25209		0.30	0.001	0.17	1.03	11.0	<0.2	<10	160	0.40	0.17	0.11	0.28	35.8	5.1	19
ZZ25210		0.36	0.001	0.09	1.13	8.5	<0.2	<10	220	0.24	0.26	0.04	0.15	34.3	2.9	15
ZZ25211		0.16	0.001	0.66	1.09	9.5	<0.2	<10	510	0.96	0.24	0.27	0.72	20.5	7.8	17
ZZ25212		0.24	0.002	1.55	0.97	10.5	<0.2	<10	840	0.55	0.28	0.30	0.47	16.25	5.2	20
ZZ25213		0.30	0.001	0.59	0.94	10.7	<0.2	<10	430	0.41	0.25	0.25	0.35	22.6	5.3	20
ZZ25214		0.28	0.002	0.84	1.01	15.7	<0.2	<10	880	0.89	0.23	0.12	0.82	34.9	9.6	20
ZZ25215		0.34	0.002	0.34	0.90	17.1	<0.2	<10	860	0.87	0.21	0.23	0.93	33.2	10.0	17
ZZ25216		0.28	0.002	0.96	1.03	12.6	<0.2	<10	1310	0.78	0.22	0.32	0.80	29.6	7.6	20
ZZ25217		0.22	0.003	0.72	1.45	9.6	<0.2	<10	1600	0.96	0.25	0.38	0.34	24.9	8.6	23
ZZ25218		0.28	0.001	0.56	0.72	11.9	<0.2	<10	490	0.79	0.22	0.12	0.32	18.00	10.1	16
ZZ25219		0.28	0.001	0.99	0.60	13.4	<0.2	<10	340	0.54	0.28	0.09	0.33	8.98	4.7	16
ZZ25220		0.24	0.001	0.96	0.87	14.1	<0.2	<10	540	0.65	0.29	0.06	0.60	15.05	7.0	21
ZZ25221		0.20	<0.001	0.17	0.39	4.1	<0.2	<10	90	0.12	0.12	0.02	0.13	26.2	1.2	8
ZZ25222		0.24	0.002	0.25	0.63	7.6	<0.2	<10	300	0.23	0.37	0.02	0.09	42.5	1.3	16
ZZ25223		0.36	<0.001	0.29	1.14	10.6	<0.2	<10	170	0.26	0.28	0.02	0.15	33.8	4.5	22
ZZ25224		0.22	0.001	0.91	1.05	16.5	<0.2	<10	110	0.32	0.34	0.02	0.16	32.8	5.2	20
ZZ25225		0.32	0.001	0.69	1.16	17.9	<0.2	<10	210	0.49	0.23	0.02	0.29	30.1	5.8	26
ZZ25226		0.26	0.001	0.43	1.21	11.5	<0.2	<10	270	0.40	0.34	0.05	0.28	32.8	5.4	20
ZZ25227		0.32	<0.001	0.33	0.66	11.3	<0.2	<10	200	0.23	0.23	0.04	0.12	27.5	3.5	12
ZZ25228		0.26	0.001	0.64	1.27	12.7	<0.2	<10	180	0.55	0.28	0.05	0.29	23.4	7.8	23
ZZ25229		0.22	<0.001	0.26	0.86	11.1	<0.2	<10	140	0.42	0.23	0.23	0.17	19.80	4.5	15
ZZ25230		0.34	0.002	0.25	1.14	13.6	<0.2	<10	140	0.70	0.26	0.02	0.40	26.1	7.7	21
ZZ25047		0.20	0.001	0.55	1.02	12.7	<0.2	<10	420	0.56	0.29	0.04	0.29	24.2	4.3	14
ZZ25048		0.28	0.001	0.20	1.02	11.5	<0.2	<10	160	0.33	0.30	0.04	0.11	29.9	3.9	15
ZZ25049		0.22	<0.001	0.43	0.71	14.0	<0.2	<10	220	0.37	0.28	0.05	0.21	18.65	3.1	13
ZZ25050		0.24	<0.001	0.16	1.06	16.7	<0.2	<10	120	0.36	0.38	0.03	0.14	31.8	4.6	17
ZZ25051		0.26	0.001	0.24	1.42	13.6	<0.2	<10	110	0.34	0.35	0.03	0.14	37.0	5.5	20
ZZ25052		0.24	0.002	0.44	1.26	14.5	<0.2	<10	120	0.42	0.36	0.04	0.21	28.1	5.1	21
ZZ25053		0.24	0.002	0.68	1.30	18.2	<0.2	<10	410	0.55	0.39	0.06	0.19	27.9	6.2	23
ZZ25054		0.24	0.001	0.39	0.94	19.8	<0.2	<10	340	0.97	0.32	0.05	0.18	14.50	3.8	25
ZZ25055		0.28	0.001	0.37	1.25	14.7	<0.2	<10	500	0.46	0.33	0.03	0.21	25.7	5.0	22
ZZ25056		0.22	<0.001	0.19	0.76	6.1	<0.2	<10	210	0.30	0.24	0.02	0.10	15.20	1.7	13



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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ25201		1.25	13.5	1.91	3.08	<0.05	0.02	0.05	0.020	0.04	13.6	8.3	0.19	450	2.19
ZZ25202		0.63	15.1	2.11	3.29	<0.05	0.07	0.08	0.025	0.05	13.7	11.3	0.20	346	2.39
ZZ25203		0.85	14.2	2.70	3.80	<0.05	0.02	0.04	0.023	0.05	15.6	12.4	0.24	188	3.11
ZZ25204		1.02	17.0	2.60	3.79	<0.05	0.02	0.06	0.024	0.04	15.2	13.4	0.21	213	3.23
ZZ25205		1.72	9.0	1.13	2.84	<0.05	<0.02	0.04	0.019	0.03	12.3	3.0	0.06	90	1.96
ZZ25206		0.72	13.4	2.19	3.35	<0.05	0.03	0.04	0.026	0.04	15.9	11.7	0.25	297	1.79
ZZ25207		0.80	17.9	2.66	3.08	0.06	0.04	0.07	0.028	0.05	24.1	13.1	0.48	291	3.08
ZZ25208		1.04	15.1	2.88	3.46	0.05	0.03	0.02	0.032	0.05	16.9	15.7	0.30	256	3.51
ZZ25209		0.86	16.1	2.61	3.19	<0.05	0.03	0.02	0.025	0.04	18.8	13.7	0.24	132	2.59
ZZ25210		0.95	6.8	1.89	4.75	<0.05	<0.02	0.02	0.016	0.03	18.2	9.9	0.20	90	1.54
ZZ25211		1.96	35.3	2.68	2.79	<0.05	0.05	0.10	0.036	0.05	10.3	14.7	0.14	215	4.38
ZZ25212		1.62	20.6	2.35	3.21	<0.05	0.09	0.22	0.033	0.07	7.9	9.0	0.13	163	5.40
ZZ25213		1.46	25.9	2.36	3.98	<0.05	<0.02	0.05	0.020	0.05	11.7	10.5	0.19	130	4.61
ZZ25214		1.13	34.0	3.07	3.16	0.06	0.02	0.13	0.034	0.05	17.7	12.3	0.21	246	6.93
ZZ25215		0.73	26.3	3.37	2.83	0.05	<0.02	0.05	0.034	0.05	18.3	10.4	0.17	205	9.18
ZZ25216		1.37	31.9	2.70	3.20	0.05	0.04	0.12	0.029	0.06	15.6	11.8	0.22	205	6.92
ZZ25217		2.02	27.7	2.75	3.74	0.05	0.09	0.16	0.033	0.07	12.2	13.6	0.23	324	4.01
ZZ25218		1.80	24.1	2.66	2.22	<0.05	0.02	0.05	0.040	0.05	8.5	10.3	0.15	150	2.71
ZZ25219		1.72	24.1	2.69	2.23	<0.05	0.02	0.05	0.036	0.08	4.2	7.9	0.09	65	5.74
ZZ25220		3.31	34.0	2.91	2.24	<0.05	0.02	0.06	0.054	0.11	7.6	7.7	0.10	146	4.84
ZZ25221		1.01	7.6	0.93	3.13	<0.05	<0.02	0.02	0.007	0.04	14.5	1.1	0.02	23	2.25
ZZ25222		0.81	14.5	2.31	3.24	<0.05	<0.02	0.02	0.037	0.21	23.2	2.8	0.04	29	3.00
ZZ25223		1.38	18.3	3.23	5.98	0.07	<0.02	0.03	0.024	0.05	17.1	9.3	0.19	147	2.82
ZZ25224		1.23	17.1	3.57	5.26	0.08	<0.02	0.05	0.028	0.05	17.4	11.4	0.21	143	3.70
ZZ25225		1.25	37.2	4.14	4.61	0.08	<0.02	0.04	0.032	0.05	17.7	8.7	0.19	147	7.92
ZZ25226		1.67	14.9	2.62	5.05	0.07	<0.02	0.06	0.027	0.07	17.7	18.0	0.29	234	2.26
ZZ25227		1.76	12.5	1.78	3.88	0.07	<0.02	0.03	0.018	0.05	15.1	5.7	0.11	66	2.86
ZZ25228		1.93	23.3	3.15	3.65	0.06	0.03	0.06	0.036	0.06	12.0	21.9	0.26	171	2.88
ZZ25229		1.69	16.2	2.32	3.68	0.06	<0.02	0.03	0.027	0.06	9.8	6.3	0.09	58	2.23
ZZ25230		1.59	25.7	3.21	3.55	0.06	0.02	0.04	0.037	0.05	13.8	18.9	0.22	191	3.33
ZZ25047		2.37	23.8	2.43	4.70	0.06	<0.02	0.08	0.032	0.04	13.3	5.5	0.08	88	3.73
ZZ25048		1.50	10.7	2.54	5.44	0.06	<0.02	0.05	0.022	0.05	15.6	9.6	0.17	141	2.11
ZZ25049		2.37	15.4	2.09	4.68	<0.05	<0.02	0.07	0.026	0.05	9.9	2.8	0.05	72	2.46
ZZ25050		1.99	13.8	3.36	7.36	0.07	<0.02	0.04	0.026	0.05	17.1	8.1	0.17	122	2.57
ZZ25051		1.67	11.4	3.14	5.84	0.06	<0.02	0.03	0.027	0.04	19.5	16.7	0.29	211	2.05
ZZ25052		1.81	18.4	3.72	5.54	0.07	<0.02	0.09	0.034	0.04	15.0	13.4	0.24	156	3.40
ZZ25053		2.89	18.2	3.50	4.92	0.07	0.03	0.13	0.042	0.05	15.2	16.7	0.24	235	2.68
ZZ25054		4.44	24.2	4.03	4.79	0.05	<0.02	0.07	0.055	0.05	7.7	8.4	0.08	190	2.73
ZZ25055		2.53	17.5	3.52	5.68	0.06	<0.02	0.06	0.037	0.05	13.6	11.3	0.20	166	4.73
ZZ25056		1.49	13.1	2.56	4.07	<0.05	<0.02	0.05	0.032	0.03	8.3	3.8	0.07	43	2.01



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
ZZ25201		0.47	20.2	630	12.7	8.4	<0.001	0.02	0.89	1.4	0.7	0.4	17.6	<0.01	0.02
ZZ25202		0.85	25.3	740	12.8	6.9	<0.001	0.04	0.95	2.4	1.2	0.4	27.7	<0.01	0.03
ZZ25203		0.81	26.0	810	14.5	7.3	<0.001	0.01	1.20	1.5	0.5	0.4	9.2	<0.01	0.05
ZZ25204		0.73	24.8	750	15.3	7.7	<0.001	0.01	1.14	1.6	0.9	0.4	13.7	<0.01	0.04
ZZ25205		0.33	16.3	480	8.9	7.6	<0.001	0.01	0.52	0.9	0.8	0.4	8.5	<0.01	0.02
ZZ25206		0.62	21.6	690	12.4	6.6	<0.001	0.01	0.72	2.0	0.7	0.4	12.9	<0.01	0.02
ZZ25207		0.66	35.9	860	14.7	6.0	0.001	0.01	1.44	3.8	1.6	0.3	17.6	<0.01	0.03
ZZ25208		0.63	33.3	800	15.0	9.0	<0.001	<0.01	1.31	2.2	1.3	0.4	14.4	<0.01	0.04
ZZ25209		0.70	31.4	1030	12.8	6.7	<0.001	<0.01	1.00	2.0	0.8	0.3	9.9	<0.01	0.03
ZZ25210		0.88	10.0	540	12.0	7.8	<0.001	<0.01	0.42	1.2	0.5	0.5	6.3	<0.01	0.02
ZZ25211		0.38	58.5	690	14.0	7.1	0.002	0.02	1.06	4.0	2.6	0.3	22.5	<0.01	0.06
ZZ25212		0.35	27.8	960	16.2	8.1	0.002	0.05	0.82	3.0	1.6	0.7	23.8	<0.01	0.05
ZZ25213		0.53	34.6	650	10.7	8.4	0.001	0.01	0.90	1.3	1.1	0.5	13.1	0.02	0.04
ZZ25214		0.41	45.8	610	16.6	5.6	0.001	0.02	2.03	4.2	1.9	0.4	19.8	<0.01	0.06
ZZ25215		0.56	42.1	750	15.0	5.8	<0.001	0.01	2.79	2.5	2.3	0.3	19.5	<0.01	0.04
ZZ25216		0.54	37.5	760	14.3	6.3	0.001	0.02	1.78	3.7	2.7	0.4	22.9	<0.01	0.06
ZZ25217		0.48	35.8	870	16.4	10.0	0.001	0.03	0.92	3.6	2.0	0.4	22.5	<0.01	0.05
ZZ25218		0.27	42.1	450	22.3	5.7	0.002	0.04	1.08	4.4	2.1	0.3	15.4	<0.01	0.04
ZZ25219		0.09	28.8	770	20.1	8.5	0.003	0.15	0.80	2.5	3.8	0.4	29.2	<0.01	0.07
ZZ25220		0.17	39.4	850	23.1	12.3	0.004	0.18	0.58	3.2	2.7	0.4	33.6	<0.01	0.07
ZZ25221		0.25	6.9	450	8.3	4.3	<0.001	<0.01	0.46	0.5	0.5	0.5	6.9	<0.01	0.03
ZZ25222		0.29	7.7	440	28.2	15.9	0.001	0.31	0.56	1.6	0.8	0.6	20.0	<0.01	0.06
ZZ25223		1.00	27.7	530	15.8	10.8	0.001	0.01	0.91	2.1	0.6	0.6	8.1	<0.01	0.02
ZZ25224		1.12	22.6	930	16.8	9.6	<0.001	0.01	1.38	1.9	0.8	0.5	8.5	<0.01	0.04
ZZ25225		0.92	42.2	1030	16.2	10.6	0.001	0.01	1.64	2.4	2.2	0.4	12.0	<0.01	0.05
ZZ25226		0.89	16.7	600	18.1	14.2	<0.001	0.01	0.71	1.9	0.9	0.6	9.6	<0.01	0.03
ZZ25227		0.37	14.2	540	10.6	11.8	<0.001	0.01	0.90	1.0	0.8	0.4	10.0	<0.01	0.03
ZZ25228		0.51	33.0	620	18.0	12.4	0.001	0.03	0.89	2.7	1.5	0.4	11.7	<0.01	0.05
ZZ25229		0.30	20.5	1520	24.8	13.1	<0.001	0.02	0.52	2.2	1.1	0.4	12.5	<0.01	0.03
ZZ25230		0.52	28.4	690	15.7	11.8	<0.001	0.02	1.01	2.6	1.9	0.4	10.7	<0.01	0.06
ZZ25047		0.34	19.8	1420	19.2	8.2	<0.001	0.06	1.24	0.2	1.7	0.6	16.1	<0.01	0.06
ZZ25048		0.48	13.0	780	15.2	10.7	<0.001	0.02	0.71	0.6	0.6	0.6	9.2	0.01	0.03
ZZ25049		0.17	15.2	1370	20.9	11.3	<0.001	0.08	0.91	0.1	1.2	0.6	14.0	<0.01	0.06
ZZ25050		0.72	18.1	810	17.8	11.0	<0.001	0.02	1.11	0.9	0.7	0.7	10.6	<0.01	0.04
ZZ25051		0.65	15.8	680	17.1	10.7	<0.001	0.01	0.78	1.1	0.7	0.6	8.7	<0.01	0.04
ZZ25052		0.69	19.3	980	21.4	10.1	<0.001	0.03	1.23	1.0	2.0	0.5	10.8	<0.01	0.05
ZZ25053		0.70	17.6	1050	34.3	11.1	0.001	0.04	0.97	1.7	2.0	0.6	17.3	<0.01	0.10
ZZ25054		0.33	13.0	1390	36.0	9.3	<0.001	0.06	0.80	2.6	2.6	0.4	21.4	<0.01	0.08
ZZ25055		0.61	21.5	880	26.1	11.4	<0.001	0.03	1.25	1.0	1.7	0.7	17.0	<0.01	0.05
ZZ25056		0.27	7.2	910	34.2	6.7	<0.001	0.04	0.52	0.4	0.9	0.5	8.6	<0.01	0.04



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ25201		0.011	0.12	0.95	33	0.16	6.06	96	<0.5
ZZ25202		0.010	0.11	1.62	34	0.16	11.95	110	2.1
ZZ25203		0.012	0.11	0.89	40	0.29	4.47	105	0.5
ZZ25204		0.010	0.09	1.03	40	0.23	8.18	104	0.5
ZZ25205		0.007	0.11	0.55	24	0.12	3.09	57	<0.5
ZZ25206		0.013	0.05	1.08	34	0.13	8.44	105	0.8
ZZ25207		0.014	0.11	0.92	36	0.21	19.70	117	1.1
ZZ25208		0.011	0.12	0.88	42	0.17	6.93	134	0.6
ZZ25209		0.009	0.09	0.77	34	0.13	5.22	98	1.3
ZZ25210		0.013	0.09	0.56	36	0.24	3.04	44	<0.5
ZZ25211		0.005	0.11	2.88	27	0.08	9.64	140	1.5
ZZ25212		<0.005	0.16	2.52	32	0.10	10.20	91	1.9
ZZ25213		0.010	0.14	1.18	36	0.18	5.68	105	<0.5
ZZ25214		0.007	0.16	1.62	42	0.11	15.80	156	0.5
ZZ25215		0.011	0.17	1.51	53	0.15	10.25	192	<0.5
ZZ25216		0.007	0.13	2.26	41	0.12	15.40	134	1.2
ZZ25217		<0.005	0.16	2.10	38	0.11	14.85	115	2.1
ZZ25218		<0.005	0.09	0.98	21	0.08	8.10	135	0.8
ZZ25219		<0.005	0.14	1.27	20	<0.05	7.43	71	0.6
ZZ25220		<0.005	0.16	2.96	20	<0.05	13.10	110	0.7
ZZ25221		0.008	0.08	0.51	24	0.11	1.90	33	<0.5
ZZ25222		<0.005	0.17	0.54	24	0.08	2.31	41	<0.5
ZZ25223		0.015	0.12	1.06	47	0.20	4.11	89	<0.5
ZZ25224		0.017	0.15	0.86	51	0.23	3.89	83	<0.5
ZZ25225		0.012	0.16	1.48	63	0.13	6.64	149	0.5
ZZ25226		0.013	0.12	0.98	39	0.24	5.41	76	<0.5
ZZ25227		0.007	0.12	0.53	34	0.13	3.33	56	<0.5
ZZ25228		<0.005	0.13	1.00	31	0.10	4.73	101	1.1
ZZ25229		<0.005	0.12	0.56	29	0.07	4.48	70	<0.5
ZZ25230		0.006	0.12	1.03	33	0.13	4.26	113	0.6
ZZ25047		0.007	0.16	1.57	42	0.16	5.54	69	<0.5
ZZ25048		0.014	0.12	0.70	44	0.27	2.75	58	<0.5
ZZ25049		0.005	0.12	0.87	43	0.12	3.02	59	<0.5
ZZ25050		0.021	0.15	0.70	61	0.22	3.14	67	<0.5
ZZ25051		0.015	0.13	0.64	46	0.25	2.98	65	<0.5
ZZ25052		0.017	0.13	0.98	52	0.21	3.72	76	<0.5
ZZ25053		0.010	0.17	1.37	45	0.24	5.41	76	0.9
ZZ25054		0.006	0.14	1.30	32	0.06	7.12	59	0.5
ZZ25055		0.019	0.18	1.24	51	0.16	3.95	88	<0.5
ZZ25056		0.011	0.09	0.88	29	0.10	3.20	38	<0.5



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ25057		0.26	0.001	0.18	1.05	11.2	<0.2	<10	380	0.32	0.29	0.03	0.12	24.6	3.5	16
ZZ25058		0.24	0.001	0.42	1.09	15.5	<0.2	<10	350	0.81	0.31	0.07	0.27	22.9	6.7	23
ZZ25059		0.26	0.001	0.54	1.04	10.7	<0.2	<10	270	0.47	0.37	0.03	0.12	21.3	2.4	19
ZZ25060		0.26	0.001	0.62	1.05	12.5	<0.2	<10	700	0.64	0.38	0.03	0.20	19.90	2.5	19
ZZ25061		0.22	<0.001	0.54	1.18	12.4	<0.2	<10	450	0.51	0.37	0.03	0.17	22.6	2.7	20
ZZ25062		0.20	0.003	0.24	0.65	10.7	<0.2	<10	190	0.41	0.19	0.07	0.21	23.8	4.1	15
ZZ25063		0.18	0.001	0.40	0.60	13.1	<0.2	<10	440	0.42	0.22	0.02	0.16	13.40	2.0	14
ZZ25064		0.22	0.001	0.72	1.06	17.6	<0.2	<10	1070	0.67	0.36	0.04	0.20	19.65	2.5	20
ZZ25065		0.22	<0.001	0.55	0.86	14.1	<0.2	<10	540	0.58	0.25	0.03	0.16	15.70	4.0	15
ZZ25066		0.22	0.001	0.40	0.66	14.2	<0.2	<10	1140	0.53	0.20	0.06	0.21	18.75	3.2	15
ZZ25067		0.18	0.001	0.51	0.72	13.5	<0.2	<10	780	0.45	0.22	0.03	0.24	18.50	2.9	13
ZZ25068		0.26	0.002	0.57	0.88	13.3	<0.2	<10	1020	0.61	0.30	0.06	0.21	23.5	2.7	18
ZZ25231		0.24	<0.001	0.47	1.50	11.4	<0.2	<10	160	0.46	0.29	0.02	0.15	31.2	5.4	20
ZZ25232		0.30	<0.001	0.13	1.13	10.0	<0.2	<10	200	0.48	0.27	0.04	0.19	27.6	5.6	18
ZZ25233		0.34	<0.001	0.25	0.67	9.3	<0.2	<10	160	0.30	0.21	0.03	0.15	25.8	4.1	12
ZZ25234		0.16	<0.001	0.87	0.75	6.3	<0.2	<10	190	0.40	0.24	0.05	0.22	13.10	4.6	12
ZZ25235		0.26	0.001	0.68	0.89	19.0	<0.2	<10	230	0.50	0.25	0.02	0.15	14.35	3.0	23
ZZ25236		0.22	<0.001	0.46	0.72	9.5	<0.2	<10	120	0.17	0.30	0.04	0.17	32.6	3.2	13
ZZ25237		0.34	0.003	0.16	1.20	9.5	<0.2	<10	360	0.47	0.26	0.07	0.22	34.5	5.4	19
ZZ25238		0.22	<0.001	0.30	1.06	9.8	<0.2	<10	160	0.40	0.22	0.02	0.14	34.9	5.7	19
ZZ25239		0.18	<0.001	0.42	0.48	2.9	<0.2	<10	220	0.19	0.12	0.09	0.36	22.4	1.5	9
ZZ25240		0.18	0.005	3.90	1.49	17.4	<0.2	<10	220	0.94	0.24	0.04	0.97	20.4	17.2	52
ZZ25451		0.32	0.004	0.72	1.21	12.9	<0.2	<10	230	1.06	0.15	0.11	0.30	26.2	12.9	28
ZZ25452		0.32	0.001	0.39	1.04	9.1	<0.2	<10	290	0.61	0.18	0.03	0.32	28.8	7.1	18
ZZ25453		0.22	0.001	1.02	1.44	8.9	<0.2	<10	1620	0.61	0.29	0.15	0.68	39.4	10.0	23
ZZ25454		0.30	0.002	0.57	0.35	10.7	<0.2	<10	140	0.21	0.24	0.05	0.10	5.00	1.5	11
ZZ25455		0.30	0.001	0.99	0.76	7.9	<0.2	<10	220	0.19	0.25	0.03	0.11	32.5	2.8	13
ZZ25456		0.30	0.001	0.91	1.13	11.7	<0.2	<10	130	0.32	0.25	0.05	0.17	30.7	5.9	22
ZZ25457		0.32	0.001	0.28	1.36	13.0	<0.2	<10	360	0.56	0.25	0.09	0.34	40.2	9.4	24
ZZ25458		0.24	0.001	0.78	1.14	7.0	<0.2	<10	1200	0.33	0.25	0.13	0.28	38.0	3.9	16
ZZ25459		0.36	<0.001	1.80	1.14	12.7	<0.2	<10	100	0.29	0.29	0.03	0.16	35.1	4.8	19
ZZ25460		0.28	0.001	0.96	1.03	12.0	<0.2	<10	130	0.24	0.28	0.03	0.19	34.0	4.6	21
ZZ25461		0.32	0.001	0.63	0.70	8.3	<0.2	<10	80	0.14	0.32	0.03	0.13	38.0	2.5	13
ZZ25462		0.30	0.001	0.41	0.81	10.0	<0.2	<10	250	0.33	0.24	0.03	0.16	25.4	3.3	18
ZZ25463		0.36	0.002	3.17	1.05	11.6	<0.2	<10	280	0.43	0.25	0.02	0.28	31.3	2.9	35
ZZ25464		0.50	0.001	0.67	1.22	11.4	<0.2	<10	170	0.33	0.29	0.03	0.18	35.4	5.7	21
ZZ25465		0.20	<0.001	0.27	0.96	7.6	<0.2	<10	190	0.18	0.28	0.02	0.13	39.6	3.0	15
ZZ25466		0.24	<0.001	0.14	1.37	12.4	<0.2	<10	120	0.34	0.36	0.03	0.17	41.8	5.3	20
ZZ25467		0.40	0.001	0.19	1.57	9.6	<0.2	<10	990	0.78	0.20	0.23	0.43	28.9	10.1	25
ZZ25468		0.34	0.001	0.19	1.36	14.0	<0.2	<10	170	0.50	0.25	0.03	0.33	34.4	7.4	23



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ25057		2.36	12.3	2.30	5.15	0.05	<0.02	0.05	0.026	0.04	13.2	9.1	0.16	92	2.79
ZZ25058		3.67	21.1	3.00	4.49	0.06	<0.02	0.09	0.048	0.06	12.4	14.6	0.21	268	2.66
ZZ25059		3.29	17.5	1.81	4.84	0.05	<0.02	0.12	0.041	0.05	11.0	9.4	0.12	89	2.51
ZZ25060		3.64	17.9	2.22	4.72	0.06	0.02	0.11	0.048	0.05	10.6	7.9	0.08	75	5.01
ZZ25061		3.60	16.2	2.55	5.36	0.06	<0.02	0.11	0.038	0.06	12.0	7.6	0.10	94	4.04
ZZ25062		1.41	14.2	1.95	2.78	0.05	<0.02	0.06	0.028	0.04	12.8	8.2	0.13	256	2.42
ZZ25063		1.93	18.0	2.26	3.05	<0.05	<0.02	0.07	0.035	0.03	7.1	3.4	0.04	44	5.83
ZZ25064		2.94	20.6	2.86	4.67	0.05	<0.02	0.13	0.045	0.05	10.8	8.0	0.08	71	4.96
ZZ25065		2.17	19.2	2.51	3.56	0.05	<0.02	0.09	0.035	0.05	8.4	6.8	0.07	67	4.99
ZZ25066		1.54	21.0	2.61	2.69	0.05	<0.02	0.07	0.034	0.04	10.1	7.3	0.09	73	7.58
ZZ25067		1.67	18.6	2.64	2.87	0.05	<0.02	0.08	0.033	0.04	9.9	6.5	0.08	61	7.07
ZZ25068		2.37	24.3	2.57	3.80	0.06	<0.02	0.16	0.038	0.04	12.8	8.1	0.10	65	6.10
ZZ25231		1.46	11.6	2.99	5.27	0.05	0.04	0.03	0.030	0.04	16.6	20.4	0.25	156	1.69
ZZ25232		1.43	14.0	2.61	4.76	0.05	<0.02	0.03	0.027	0.04	14.4	11.2	0.17	119	2.34
ZZ25233		0.98	15.0	2.16	3.13	0.05	<0.02	0.02	0.022	0.04	13.7	6.1	0.10	62	2.43
ZZ25234		4.09	16.2	1.65	2.65	<0.05	<0.02	0.06	0.032	0.06	6.7	3.4	0.05	40	1.47
ZZ25235		1.72	26.0	3.08	2.97	0.05	0.02	0.06	0.049	0.06	7.9	10.3	0.14	57	3.44
ZZ25236		1.19	10.6	2.42	4.70	0.05	<0.02	0.04	0.020	0.04	18.1	5.7	0.12	87	2.09
ZZ25237		0.96	9.8	2.39	4.66	0.05	<0.02	0.03	0.029	0.05	17.8	16.5	0.26	176	1.44
ZZ25238		1.18	17.1	2.63	4.05	<0.05	0.02	0.05	0.032	0.04	17.2	16.3	0.18	157	2.24
ZZ25239		0.72	6.9	0.81	3.16	<0.05	<0.02	0.05	0.015	0.04	12.1	2.0	0.04	28	1.45
ZZ25240		2.54	142.0	5.21	4.33	0.07	0.03	0.31	0.055	0.07	11.5	18.1	0.24	172	25.5
ZZ25451		0.64	20.3	2.82	2.58	0.05	0.10	0.14	0.032	0.03	13.3	12.1	0.16	2960	1.47
ZZ25452		0.91	17.6	2.17	3.01	0.05	0.02	0.04	0.028	0.04	15.6	15.0	0.20	222	1.94
ZZ25453		1.49	19.4	2.58	4.70	0.06	0.02	0.10	0.032	0.07	19.8	19.5	0.30	469	2.70
ZZ25454		1.58	21.0	2.26	1.86	<0.05	0.02	0.05	0.025	0.05	2.5	2.3	0.03	20	4.50
ZZ25455		1.07	10.2	1.85	4.36	<0.05	<0.02	0.04	0.017	0.04	16.6	4.4	0.10	77	1.99
ZZ25456		1.21	15.5	3.16	4.34	<0.05	0.03	0.05	0.033	0.04	14.8	15.2	0.27	189	3.40
ZZ25457		1.53	16.2	2.98	4.61	0.06	0.03	0.04	0.033	0.06	17.9	17.3	0.36	371	1.77
ZZ25458		0.92	12.5	1.82	4.70	0.05	<0.02	0.07	0.024	0.04	19.2	11.6	0.22	110	1.44
ZZ25459		1.26	12.3	2.99	5.31	0.05	0.02	0.06	0.031	0.04	18.4	13.4	0.23	151	3.04
ZZ25460		1.23	21.3	3.20	4.93	0.05	0.02	0.08	0.025	0.04	17.4	8.2	0.18	165	3.77
ZZ25461		1.37	11.7	1.71	5.53	0.05	<0.02	0.04	0.015	0.04	20.0	3.7	0.08	112	2.87
ZZ25462		1.26	21.6	2.23	3.16	<0.05	<0.02	0.04	0.024	0.05	13.1	8.1	0.14	91	3.17
ZZ25463		1.17	61.8	2.66	4.08	0.07	0.02	0.13	0.045	0.10	19.2	3.8	0.06	44	21.3
ZZ25464		1.31	15.6	3.11	4.69	0.05	0.02	0.04	0.025	0.06	18.0	17.6	0.29	190	2.52
ZZ25465		0.86	10.7	1.87	5.39	0.05	<0.02	0.02	0.017	0.04	20.6	9.3	0.16	86	1.87
ZZ25466		1.14	8.8	3.20	6.42	0.06	0.02	0.02	0.024	0.05	21.1	16.2	0.29	212	1.84
ZZ25467		1.32	24.1	3.24	4.14	<0.05	0.03	0.04	0.033	0.05	13.1	27.0	0.38	293	2.53
ZZ25468		1.02	18.8	3.18	4.99	<0.05	0.02	0.04	0.027	0.05	15.6	16.4	0.33	180	2.23



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
ZZ25057		0.37	12.0	850	15.9	9.3	<0.001	0.03	0.77	0.6	0.8	0.6	10.8	<0.01	0.04
ZZ25058		0.48	19.3	1100	25.7	9.4	<0.001	0.04	0.84	2.9	1.8	0.5	22.9	<0.01	0.06
ZZ25059		0.28	10.6	690	30.1	9.8	0.001	0.03	0.52	1.8	1.7	0.5	16.8	<0.01	0.07
ZZ25060		0.28	12.5	1160	36.9	12.5	<0.001	0.07	0.77	1.4	2.1	0.5	22.7	<0.01	0.06
ZZ25061		0.44	11.8	1430	45.8	13.9	0.001	0.07	0.75	0.8	1.6	0.6	17.6	<0.01	0.05
ZZ25062		0.41	12.3	590	14.0	5.8	<0.001	0.02	0.76	1.8	1.3	0.3	10.6	<0.01	0.05
ZZ25063		0.26	11.8	910	21.2	6.9	<0.001	0.05	1.14	1.1	2.0	0.3	13.2	<0.01	0.09
ZZ25064		0.30	12.9	1130	36.1	11.7	<0.001	0.04	0.84	1.9	2.3	0.5	18.8	<0.01	0.10
ZZ25065		0.37	18.7	1520	18.8	11.6	<0.001	0.08	0.91	0.8	1.9	0.5	20.5	<0.01	0.05
ZZ25066		0.32	17.4	890	15.3	5.9	<0.001	0.03	1.28	2.0	2.4	0.4	18.1	<0.01	0.05
ZZ25067		0.31	15.6	940	17.8	7.3	<0.001	0.03	1.30	1.6	2.2	0.4	16.0	<0.01	0.07
ZZ25068		0.25	16.2	870	33.3	7.5	<0.001	0.02	1.01	2.6	2.4	0.4	19.8	<0.01	0.07
ZZ25231		1.02	16.4	410	15.4	11.2	<0.001	0.01	0.52	2.6	0.5	0.5	6.7	<0.01	0.03
ZZ25232		0.88	20.0	440	15.5	12.9	<0.001	0.01	0.58	2.5	0.7	0.5	8.3	<0.01	0.02
ZZ25233		0.44	16.5	320	13.1	8.6	<0.001	0.02	0.67	1.9	0.9	0.4	8.1	<0.01	0.03
ZZ25234		0.27	16.0	900	20.7	12.0	0.001	0.04	0.53	1.4	1.2	0.4	9.1	<0.01	0.04
ZZ25235		0.24	18.2	720	16.4	8.3	0.001	0.05	1.01	2.7	4.6	0.4	14.7	<0.01	0.08
ZZ25236		1.02	11.0	470	12.9	8.9	<0.001	0.01	0.63	1.5	0.6	0.5	6.1	<0.01	0.04
ZZ25237		0.90	15.2	790	12.3	10.0	<0.001	0.01	0.62	1.8	0.4	0.5	9.1	<0.01	0.03
ZZ25238		0.69	21.6	450	12.3	7.8	<0.001	0.02	0.94	2.2	0.5	0.5	8.3	<0.01	0.03
ZZ25239		0.22	6.4	660	6.2	5.6	<0.001	0.02	0.31	0.3	0.6	0.4	8.1	<0.01	0.02
ZZ25240		0.40	156.0	1040	11.1	8.0	0.003	0.10	1.52	7.0	7.9	0.5	16.1	<0.01	0.10
ZZ25451		0.49	68.8	1070	9.7	6.5	<0.001	0.01	0.96	3.3	0.9	0.2	8.8	0.01	0.03
ZZ25452		0.57	30.5	320	12.1	6.6	<0.001	0.01	0.66	2.2	0.7	0.3	8.1	<0.01	0.04
ZZ25453		0.74	27.8	870	13.1	12.0	0.001	0.03	0.57	2.7	0.9	0.6	14.7	<0.01	0.04
ZZ25454		0.08	10.6	330	15.8	5.6	0.004	0.03	0.60	1.6	2.6	0.3	15.7	<0.01	0.11
ZZ25455		0.75	11.2	550	10.3	7.4	<0.001	0.01	0.54	1.0	0.5	0.6	8.1	<0.01	0.03
ZZ25456		1.19	20.7	540	13.3	8.9	0.001	0.02	0.93	2.0	0.5	0.5	9.6	<0.01	0.04
ZZ25457		0.79	25.7	700	22.5	9.2	0.001	0.02	1.01	3.0	1.0	0.5	13.0	<0.01	0.04
ZZ25458		0.53	14.0	850	11.6	7.1	<0.001	0.03	0.47	1.0	0.4	0.6	15.4	<0.01	0.01
ZZ25459		1.28	16.8	590	12.5	11.0	0.001	0.01	0.79	1.8	0.5	0.6	6.4	<0.01	0.03
ZZ25460		1.17	22.1	920	12.4	9.6	<0.001	0.02	0.89	1.8	0.6	0.6	7.8	<0.01	0.03
ZZ25461		1.15	10.1	490	9.9	10.8	<0.001	0.01	0.62	1.1	0.7	0.8	8.0	<0.01	0.02
ZZ25462		0.33	19.6	450	15.4	7.3	0.001	0.03	0.67	1.6	1.4	0.3	10.6	<0.01	0.06
ZZ25463		0.39	21.1	1160	12.1	11.4	0.001	0.11	1.19	2.5	5.8	0.5	28.7	<0.01	0.09
ZZ25464		1.15	18.8	370	12.1	11.5	<0.001	0.01	0.79	1.9	0.7	0.5	7.5	<0.01	0.05
ZZ25465		0.74	10.9	530	9.5	6.9	<0.001	0.01	0.53	1.2	0.3	0.6	6.7	<0.01	0.01
ZZ25466		1.79	14.3	560	17.5	10.8	<0.001	0.01	0.82	2.0	0.3	0.8	6.3	<0.01	0.03
ZZ25467		0.51	39.9	720	15.2	9.4	<0.001	0.03	1.06	2.8	0.8	0.4	15.4	<0.01	0.05
ZZ25468		0.79	28.4	660	19.2	9.5	<0.001	0.01	1.26	2.4	0.6	0.5	7.3	<0.01	0.03



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: ARCHER, CATHRO AND ASSOCIATES (1981)
LIMITED
 1016- 510 W HASTINGS ST
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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ25057		0.010	0.14	0.78	40	0.15	2.83	49	<0.5
ZZ25058		0.010	0.17	1.22	36	0.14	7.75	74	0.5
ZZ25059		0.005	0.15	1.57	32	0.06	8.91	38	<0.5
ZZ25060		<0.005	0.22	1.97	37	0.06	10.15	46	<0.5
ZZ25061		0.007	0.21	1.84	45	0.13	6.21	49	<0.5
ZZ25062		0.012	0.09	1.07	29	0.08	6.21	48	<0.5
ZZ25063		0.006	0.12	1.49	36	0.07	4.51	54	<0.5
ZZ25064		<0.005	0.19	1.84	49	0.07	8.54	55	<0.5
ZZ25065		0.006	0.14	2.10	36	0.10	6.54	78	<0.5
ZZ25066		0.008	0.11	1.90	38	0.08	6.79	78	<0.5
ZZ25067		0.007	0.13	1.63	39	0.16	5.21	68	<0.5
ZZ25068		0.006	0.14	2.43	37	0.06	10.05	62	<0.5
ZZ25231		0.010	0.12	0.63	42	0.17	3.98	68	2.0
ZZ25232		0.011	0.12	0.61	41	0.14	4.35	75	<0.5
ZZ25233		0.006	0.09	0.54	29	0.09	3.38	58	<0.5
ZZ25234		<0.005	0.09	0.80	21	0.09	3.95	67	<0.5
ZZ25235		<0.005	0.13	0.92	30	0.05	4.59	70	1.3
ZZ25236		0.018	0.11	0.58	39	0.18	2.45	52	0.9
ZZ25237		0.017	0.10	0.63	37	0.24	5.16	81	<0.5
ZZ25238		0.010	0.12	0.63	37	0.18	3.42	76	0.6
ZZ25239		0.008	0.06	0.38	21	0.18	1.62	33	<0.5
ZZ25240		0.006	0.41	2.62	56	0.12	16.50	380	1.5
ZZ25451		0.008	0.11	0.89	26	0.10	11.65	97	3.5
ZZ25452		0.010	0.11	0.77	26	0.11	5.53	87	1.2
ZZ25453		0.013	0.16	1.63	36	0.20	15.50	90	<0.5
ZZ25454		<0.005	0.09	0.91	15	<0.05	3.78	34	1.1
ZZ25455		0.016	0.10	0.57	33	0.20	2.46	41	<0.5
ZZ25456		0.017	0.11	0.74	40	0.20	3.33	70	1.1
ZZ25457		0.013	0.11	0.71	43	0.16	6.26	90	0.9
ZZ25458		0.012	0.08	1.22	32	0.19	9.02	47	<0.5
ZZ25459		0.020	0.11	0.71	44	0.25	2.78	61	0.6
ZZ25460		0.019	0.13	0.93	46	0.22	3.32	85	0.6
ZZ25461		0.025	0.14	0.55	38	0.24	2.40	43	<0.5
ZZ25462		<0.005	0.10	0.78	23	0.08	4.53	57	<0.5
ZZ25463		0.006	0.33	2.49	44	0.06	4.74	99	0.6
ZZ25464		0.019	0.11	0.67	35	0.19	3.35	74	1.0
ZZ25465		0.016	0.08	0.59	34	0.20	3.54	46	<0.5
ZZ25466		0.027	0.11	0.53	47	0.33	2.99	62	0.8
ZZ25467		0.007	0.13	0.67	41	0.09	8.27	126	0.9
ZZ25468		0.011	0.12	0.56	46	0.16	4.16	105	0.5



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ25469		0.26	0.002	0.19	1.67	18.5	<0.2	<10	230	0.71	0.28	0.06	0.28	31.5	8.5	24
ZZ25470		0.26	0.001	0.21	1.52	11.1	<0.2	<10	250	0.57	0.26	0.06	0.28	29.6	7.1	26
ZZ25471		0.36	0.001	0.13	1.50	10.7	<0.2	<10	480	0.42	0.31	0.09	0.19	37.6	6.5	25
ZZ25472		0.22	0.003	0.51	1.52	7.8	<0.2	<10	1930	0.58	0.25	0.59	0.51	32.7	8.9	21
ZZ25473		0.26	0.001	0.46	1.42	10.2	<0.2	<10	560	0.39	0.30	0.19	0.26	32.0	5.7	23
ZZ25474		0.24	0.004	0.43	1.50	7.1	<0.2	<10	2120	0.64	0.27	0.11	0.25	25.3	7.2	27
ZZ25475		0.28	0.001	0.14	1.38	13.9	<0.2	<10	180	0.40	0.28	0.04	0.13	27.8	6.2	19
ZZ25476		0.18	<0.001	0.14	0.89	5.9	<0.2	<10	390	0.17	0.24	0.02	0.08	27.2	3.0	13
ZZ25477		0.34	0.001	0.43	1.65	11.7	<0.2	<10	370	0.72	0.28	0.02	0.36	25.9	8.1	28
ZZ25478		0.38	0.002	0.34	1.65	12.1	<0.2	<10	370	0.56	0.27	0.02	0.32	19.70	8.3	28
ZZ25479		0.16	0.001	0.31	1.47	13.9	<0.2	<10	130	0.24	0.34	0.02	0.14	32.6	5.1	24
ZZ25480		0.24	0.001	0.11	1.59	9.3	<0.2	<10	450	0.65	0.28	0.06	0.32	39.2	5.7	20
ZZ25481		0.20	0.001	0.24	1.42	11.7	<0.2	<10	590	0.75	0.25	0.66	0.64	43.9	8.6	19
ZZ25482		0.16	0.004	0.82	1.47	7.1	<0.2	<10	1060	0.58	0.23	0.66	0.42	25.5	6.2	17
ZZ25483		0.28	0.003	0.23	1.36	10.0	<0.2	<10	1070	0.34	0.23	0.03	0.24	17.65	6.6	27
ZZ25484		0.34	0.002	0.26	1.60	14.2	<0.2	<10	310	0.53	0.25	0.04	0.27	33.5	8.4	26
ZZ25485		0.24	0.002	0.53	1.54	9.1	<0.2	<10	530	0.30	0.33	0.03	0.23	25.8	5.7	25
ZZ25486		0.16	0.002	0.74	1.36	9.7	<0.2	<10	400	0.24	0.29	0.04	0.21	27.0	5.9	27
ZZ25487		0.26	0.001	0.20	1.26	7.4	<0.2	<10	560	0.27	0.28	0.04	0.25	27.3	4.3	21
ZZ25488		0.16	0.001	0.77	1.41	8.5	<0.2	<10	260	0.21	0.28	0.03	0.22	28.6	4.7	24
ZZ25489		0.20	0.001	0.10	1.25	13.2	<0.2	<10	360	0.19	0.32	0.02	0.16	27.0	4.9	26
ZZ25490		0.26	0.001	0.18	1.27	13.7	<0.2	<10	250	0.45	0.21	0.05	0.27	30.9	7.0	22
ZZ25491		0.24	0.002	0.35	1.22	8.9	<0.2	<10	570	0.42	0.22	0.16	0.21	24.1	8.5	22
ZZ25492		0.22	0.002	0.41	1.35	8.2	<0.2	<10	640	0.47	0.23	0.17	0.19	32.2	10.2	30
ZZ25493		0.22	0.002	0.18	1.37	11.4	<0.2	<10	680	0.33	0.29	0.15	0.14	41.4	14.3	34
ZZ25494		0.24	0.001	0.57	1.68	8.5	<0.2	<10	150	0.31	0.28	0.06	0.13	38.5	6.4	25
ZZ25495		0.26	0.001	0.34	1.66	10.7	<0.2	<10	680	0.69	0.24	0.23	0.28	45.2	10.0	28
ZZ25496		0.26	0.001	0.08	1.57	11.0	<0.2	<10	570	0.53	0.24	0.23	0.22	33.2	8.1	30
ZZ25497		0.18	0.001	0.19	1.30	12.6	<0.2	<10	230	0.31	0.26	0.05	0.19	32.9	5.4	28
ZZ25498		0.22	0.005	2.78	2.01	9.3	<0.2	<10	670	1.15	0.20	0.53	3.65	38.9	61.6	51
ZZ25499		0.22	<0.001	0.09	0.85	4.0	<0.2	<10	190	0.26	0.17	0.04	0.11	28.5	1.8	12
ZZ25500		0.26	0.001	0.06	1.14	10.2	<0.2	<10	450	0.37	0.18	0.09	0.21	26.6	7.0	26
ZZ25101		0.26	0.001	0.19	1.30	8.0	<0.2	<10	290	0.35	0.21	0.04	0.25	28.9	5.5	22
ZZ25102		0.24	<0.001	0.11	0.99	4.6	<0.2	<10	950	0.22	0.22	0.06	0.07	30.5	2.8	14
ZZ25103		0.16	0.001	0.36	1.26	8.1	<0.2	<10	280	0.18	0.29	0.03	0.10	30.6	3.6	19
ZZ25104		0.20	0.001	0.33	1.93	9.9	<0.2	<10	510	0.43	0.31	0.03	0.18	27.4	7.6	28
ZZ25105		0.24	0.001	0.19	1.01	8.8	<0.2	<10	190	0.24	0.25	0.08	0.17	33.4	4.6	21
ZZ25106		0.28	<0.001	0.46	1.23	9.4	<0.2	<10	590	0.38	0.29	0.27	0.35	29.4	8.1	20
ZZ25107		0.18	<0.001	0.26	1.21	3.0	<0.2	<10	1110	0.35	0.22	0.94	0.44	24.0	3.4	23
ZZ25108		0.20	0.002	0.39	1.04	9.9	<0.2	<10	1090	0.68	0.18	1.81	0.62	28.5	8.4	19



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ25469		1.13	21.6	3.28	4.35	0.05	0.05	0.05	0.033	0.05	16.3	27.0	0.41	172	1.69
ZZ25470		1.24	29.4	3.47	4.83	0.05	<0.02	0.03	0.029	0.06	16.0	22.6	0.39	202	1.97
ZZ25471		1.82	12.4	2.81	5.88	0.05	<0.02	0.02	0.028	0.06	19.3	17.1	0.34	276	1.32
ZZ25472		1.47	22.4	2.40	4.32	<0.05	0.09	0.16	0.029	0.05	18.7	18.6	0.32	484	1.72
ZZ25473		1.43	14.4	2.79	5.73	<0.05	<0.02	0.04	0.029	0.05	15.8	23.4	0.32	233	1.54
ZZ25474		2.49	62.1	2.79	5.16	0.05	0.02	0.11	0.031	0.07	12.4	22.0	0.31	244	1.77
ZZ25475		1.73	18.6	3.37	5.10	<0.05	0.03	0.04	0.031	0.04	13.3	19.8	0.32	233	1.54
ZZ25476		1.30	9.6	1.54	4.91	<0.05	<0.02	0.02	0.012	0.04	14.2	10.1	0.19	103	1.02
ZZ25477		1.51	29.9	3.92	5.17	0.05	0.04	0.01	0.043	0.06	11.5	27.1	0.41	168	1.97
ZZ25478		1.49	36.8	3.61	4.90	<0.05	0.04	0.04	0.039	0.05	9.9	33.1	0.45	158	2.20
ZZ25479		1.81	16.4	3.88	6.62	0.05	0.05	0.06	0.033	0.04	16.2	18.7	0.28	179	1.73
ZZ25480		1.33	15.9	2.54	5.56	<0.05	0.02	0.04	0.026	0.05	19.4	20.0	0.35	197	1.15
ZZ25481		0.81	12.1	2.44	4.47	0.06	0.06	0.06	0.032	0.05	21.7	17.6	0.47	610	0.83
ZZ25482		2.06	23.7	2.16	4.09	0.06	0.07	0.15	0.026	0.05	15.2	20.7	0.24	393	1.64
ZZ25483		1.36	38.5	3.86	4.78	0.05	0.02	0.03	0.028	0.03	8.9	21.8	0.35	194	2.38
ZZ25484		1.35	18.8	3.62	4.63	0.07	0.04	0.03	0.031	0.05	15.7	27.4	0.47	245	1.72
ZZ25485		2.09	25.2	3.51	6.21	0.06	0.03	0.05	0.031	0.05	13.2	25.5	0.26	193	1.69
ZZ25486		1.16	15.0	3.95	6.34	0.07	0.02	0.04	0.026	0.05	14.0	20.1	0.27	208	1.94
ZZ25487		1.15	15.1	3.21	5.75	0.05	0.06	0.03	0.021	0.05	14.2	17.8	0.22	124	1.87
ZZ25488		1.49	13.4	3.29	6.09	0.06	0.04	0.05	0.025	0.04	14.7	22.6	0.25	153	1.48
ZZ25489		2.01	15.6	3.51	6.69	0.06	0.02	0.02	0.023	0.04	14.1	14.7	0.24	144	2.23
ZZ25490		1.27	20.4	3.22	3.86	0.06	0.03	0.02	0.026	0.04	15.3	24.1	0.34	172	2.07
ZZ25491		1.09	25.7	2.68	4.19	0.05	<0.02	0.04	0.024	0.05	12.2	20.7	0.30	244	2.18
ZZ25492		1.11	28.0	2.97	4.10	0.07	0.03	0.06	0.025	0.05	15.9	25.0	0.41	340	2.61
ZZ25493		1.35	25.8	3.61	3.91	0.08	0.04	0.05	0.027	0.04	18.2	26.0	0.51	917	4.48
ZZ25494		1.57	12.7	2.65	6.11	0.06	0.02	0.03	0.022	0.05	19.7	36.3	0.34	172	2.34
ZZ25495		1.15	23.4	2.98	4.47	0.08	0.04	0.09	0.026	0.04	22.4	23.9	0.44	564	2.50
ZZ25496		1.19	9.6	2.76	5.25	0.06	0.02	0.02	0.026	0.05	17.1	23.6	0.41	259	2.27
ZZ25497		0.85	11.5	3.45	5.62	0.07	<0.02	0.02	0.023	0.06	17.2	16.0	0.33	137	2.25
ZZ25498		2.00	80.8	5.00	3.86	0.14	0.12	0.39	0.046	0.03	19.1	35.6	0.40	1320	11.40
ZZ25499		0.90	5.5	0.99	4.31	<0.05	<0.02	0.02	0.011	0.04	15.4	4.7	0.10	44	1.09
ZZ25500		0.72	11.6	2.93	3.83	0.05	0.02	0.03	0.024	0.04	12.5	17.7	0.35	353	1.74
ZZ25101		0.92	12.0	2.50	4.82	0.06	<0.02	0.03	0.024	0.04	14.7	14.3	0.28	249	1.31
ZZ25102		1.76	15.0	1.55	4.73	0.05	<0.02	0.01	0.014	0.03	15.8	8.3	0.14	123	1.40
ZZ25103		1.90	11.8	2.06	6.35	0.05	0.02	0.03	0.018	0.03	15.7	10.9	0.18	108	1.51
ZZ25104		3.70	24.4	4.37	7.36	0.07	0.04	0.02	0.031	0.05	14.1	29.2	0.25	323	1.29
ZZ25105		0.79	11.9	2.46	4.63	0.05	<0.02	0.01	0.017	0.05	17.2	15.4	0.27	169	1.63
ZZ25106		1.00	9.1	2.68	4.84	0.05	<0.02	0.02	0.020	0.05	14.9	19.5	0.33	413	1.28
ZZ25107		0.54	7.8	1.38	4.62	0.05	0.02	0.04	0.017	0.03	14.0	11.4	0.18	286	1.14
ZZ25108		0.55	18.1	2.18	3.05	0.07	0.09	0.11	0.025	0.05	16.2	11.7	0.31	493	1.66



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
ZZ25469		0.78	28.4	610	17.7	9.5	<0.001	0.01	1.36	2.6	0.9	0.4	8.7	<0.01	0.03
ZZ25470		0.66	31.5	1180	17.3	10.9	<0.001	0.02	3.46	2.7	0.5	0.5	11.8	<0.01	0.05
ZZ25471		0.84	19.5	750	16.3	13.7	<0.001	0.02	0.68	1.7	0.5	0.7	14.9	<0.01	0.04
ZZ25472		0.66	37.8	1160	11.9	7.8	0.001	0.05	0.85	3.1	0.7	0.4	25.3	<0.01	0.03
ZZ25473		0.97	16.4	480	17.2	11.5	0.001	0.01	1.17	1.4	0.4	0.7	15.3	<0.01	0.04
ZZ25474		0.43	27.7	800	18.9	11.0	<0.001	0.03	1.06	2.5	0.9	0.5	17.9	<0.01	0.04
ZZ25475		1.19	18.3	520	19.4	10.3	<0.001	0.01	7.31	2.1	0.5	0.5	6.1	<0.01	0.03
ZZ25476		0.82	10.3	250	10.2	11.3	<0.001	0.01	3.05	1.3	<0.2	0.6	5.5	<0.01	0.02
ZZ25477		0.55	37.5	430	22.8	11.2	0.001	0.02	1.00	3.8	0.6	0.5	10.5	<0.01	0.06
ZZ25478		0.55	36.8	350	20.2	10.1	<0.001	0.02	2.24	3.4	0.8	0.4	8.9	<0.01	0.06
ZZ25479		2.16	14.5	440	15.9	8.4	<0.001	0.01	1.12	2.0	0.2	0.8	4.9	<0.01	0.03
ZZ25480		0.93	16.9	650	15.1	9.2	0.001	0.01	0.81	2.0	0.3	0.6	8.4	0.01	0.03
ZZ25481		0.72	19.4	820	16.6	9.2	<0.001	0.03	2.66	2.8	0.8	0.5	18.4	<0.01	0.03
ZZ25482		0.61	24.6	1430	12.9	12.1	0.001	0.06	1.22	2.1	1.0	0.4	33.5	<0.01	0.03
ZZ25483		0.71	29.7	490	15.8	8.4	<0.001	0.03	0.76	2.7	0.5	0.4	11.0	<0.01	0.05
ZZ25484		0.84	29.6	410	17.2	13.5	<0.001	0.03	0.98	2.8	0.5	0.4	8.2	<0.01	0.04
ZZ25485		1.55	17.7	450	19.4	12.9	<0.001	0.05	0.70	2.4	0.3	1.1	6.1	<0.01	0.05
ZZ25486		1.72	17.0	470	18.5	12.8	<0.001	0.05	0.65	2.2	0.3	0.7	7.3	<0.01	0.04
ZZ25487		1.36	13.9	380	13.6	13.7	<0.001	0.06	0.50	1.9	0.2	0.6	8.0	<0.01	0.03
ZZ25488		1.70	14.7	320	12.0	14.4	<0.001	0.06	0.55	2.1	0.3	0.7	6.1	<0.01	0.03
ZZ25489		1.68	18.2	360	12.5	10.5	<0.001	0.02	0.75	2.0	0.2	0.7	7.4	<0.01	0.04
ZZ25490		0.91	24.8	470	16.4	11.1	<0.001	0.02	1.03	2.4	0.6	0.4	7.4	<0.01	0.04
ZZ25491		0.61	27.1	470	12.5	9.5	<0.001	0.02	0.74	1.9	0.4	0.4	13.3	<0.01	0.04
ZZ25492		0.50	36.4	540	13.4	9.7	<0.001	0.02	0.65	2.1	0.6	0.3	15.0	<0.01	0.04
ZZ25493		0.60	51.5	340	15.6	8.0	<0.001	0.02	0.75	3.2	0.5	0.3	14.0	<0.01	0.07
ZZ25494		1.23	28.5	220	10.7	15.3	<0.001	0.01	0.48	2.3	<0.2	0.7	7.9	<0.01	0.03
ZZ25495		0.66	42.9	610	14.0	11.1	<0.001	0.01	0.76	3.0	0.8	0.4	16.9	0.01	0.03
ZZ25496		0.91	26.3	480	12.5	12.1	<0.001	0.02	0.59	2.2	0.2	0.5	12.8	<0.01	0.03
ZZ25497		1.01	21.2	700	14.9	10.9	<0.001	0.02	0.73	1.8	0.3	0.6	7.7	<0.01	0.03
ZZ25498		0.12	280	1710	11.5	5.9	0.004	0.04	0.97	8.6	3.5	0.2	37.1	0.01	0.07
ZZ25499		0.21	7.6	520	7.6	9.1	<0.001	0.01	0.27	0.4	<0.2	0.5	6.3	<0.01	0.02
ZZ25500		0.68	23.8	640	13.1	8.9	<0.001	0.03	0.61	1.7	0.3	0.3	8.8	<0.01	0.03
ZZ25101		0.73	15.8	580	13.0	11.6	<0.001	0.02	0.46	1.3	0.3	0.5	7.7	<0.01	0.03
ZZ25102		0.93	8.7	280	9.1	12.0	<0.001	0.02	0.32	1.5	<0.2	0.6	13.1	<0.01	0.02
ZZ25103		1.53	11.1	300	11.3	8.1	<0.001	0.02	0.49	2.0	<0.2	0.8	5.6	<0.01	0.03
ZZ25104		1.68	14.2	750	18.8	16.8	<0.001	0.02	0.59	2.1	0.2	0.8	5.5	<0.01	0.04
ZZ25105		1.05	16.5	530	11.2	9.1	<0.001	0.01	0.47	1.8	<0.2	0.5	8.5	<0.01	0.03
ZZ25106		0.46	15.3	720	13.9	13.9	<0.001	0.02	0.39	0.8	0.2	0.5	12.1	<0.01	0.02
ZZ25107		0.83	13.7	540	8.8	6.5	<0.001	0.04	0.22	1.7	0.3	0.6	32.0	<0.01	0.02
ZZ25108		0.70	28.4	940	12.2	7.7	0.001	0.08	1.06	2.8	1.8	0.3	36.6	0.01	0.03



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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 VANCOUVER BC V6B 1L8

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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ25469		0.011	0.11	0.87	35	0.16	4.89	96	1.4
ZZ25470		0.011	0.10	0.83	37	0.15	5.58	103	0.5
ZZ25471		0.015	0.15	0.86	45	0.20	7.69	86	<0.5
ZZ25472		0.011	0.12	1.42	28	0.16	16.30	111	2.5
ZZ25473		0.019	0.12	0.50	40	0.42	2.86	89	<0.5
ZZ25474		0.007	0.09	1.12	34	0.10	9.56	83	<0.5
ZZ25475		0.016	0.09	0.54	39	0.19	2.81	63	1.0
ZZ25476		0.015	0.08	0.34	33	0.18	2.23	45	<0.5
ZZ25477		0.006	0.11	0.62	39	0.08	5.53	106	2.2
ZZ25478		0.008	0.09	0.60	36	0.08	4.50	108	1.8
ZZ25479		0.029	0.10	0.50	46	0.31	2.28	62	2.1
ZZ25480		0.014	0.10	0.85	40	0.24	6.20	65	<0.5
ZZ25481		0.014	0.09	1.05	32	0.28	12.00	67	1.2
ZZ25482		0.011	0.12	3.60	27	0.14	16.55	79	1.9
ZZ25483		0.012	0.08	0.50	38	0.11	4.25	100	0.6
ZZ25484		0.011	0.12	0.60	43	0.15	4.04	105	1.2
ZZ25485		0.023	0.10	0.47	47	0.24	2.39	90	1.2
ZZ25486		0.030	0.09	0.43	50	0.23	2.43	77	0.8
ZZ25487		0.018	0.09	0.45	45	0.19	2.25	61	2.7
ZZ25488		0.022	0.09	0.45	44	0.22	2.23	65	2.1
ZZ25489		0.027	0.10	0.40	55	0.23	2.16	69	0.9
ZZ25490		0.016	0.10	0.56	38	0.21	3.91	103	1.1
ZZ25491		0.012	0.09	0.49	35	0.18	3.77	88	<0.5
ZZ25492		0.009	0.09	0.81	33	0.20	7.60	104	0.5
ZZ25493		0.009	0.09	0.65	28	0.12	5.38	100	1.6
ZZ25494		0.017	0.17	0.50	50	0.23	2.68	108	0.8
ZZ25495		0.012	0.11	1.37	40	0.18	14.45	121	0.7
ZZ25496		0.014	0.11	0.53	45	0.30	4.02	88	<0.5
ZZ25497		0.023	0.11	0.52	55	0.28	2.87	78	<0.5
ZZ25498		<0.005	0.31	4.33	47	0.11	51.4	692	3.8
ZZ25499		0.010	0.10	0.44	29	0.17	2.52	29	<0.5
ZZ25500		0.014	0.09	0.49	39	0.15	3.32	87	0.5
ZZ25101		0.016	0.09	0.61	45	0.18	3.20	72	<0.5
ZZ25102		0.020	0.10	0.38	43	0.18	1.95	38	<0.5
ZZ25103		0.026	0.11	0.42	56	0.25	1.93	53	0.8
ZZ25104		0.022	0.12	0.40	59	0.20	2.20	113	2.1
ZZ25105		0.022	0.08	0.39	41	0.36	2.53	69	<0.5
ZZ25106		0.014	0.10	0.50	39	0.21	3.05	103	<0.5
ZZ25107		0.013	0.06	0.92	34	0.18	8.15	38	0.5
ZZ25108		0.010	0.12	2.86	36	0.15	16.70	106	2.8



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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VANCOUVER BC V6B 1L8

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ25109		0.38	0.001	0.20	1.27	11.2	<0.2	<10	1310	0.76	0.24	0.22	0.54	38.7	8.4	22
ZZ25110		0.28	0.001	0.18	1.25	13.0	<0.2	<10	370	0.41	0.27	0.09	0.33	30.8	6.6	21
ZZ67009		0.26	<0.001	2.41	1.02	6.1	<0.2	<10	350	0.13	0.26	0.03	0.08	26.2	2.0	16
ZZ67010		0.22	0.004	2.93	1.21	13.2	<0.2	<10	540	0.24	0.27	0.06	0.13	28.0	3.9	19
ZZ67011		0.18	0.002	1.76	0.62	9.4	<0.2	<10	2110	0.37	0.15	0.03	0.16	11.60	1.7	10
ZZ67012		0.26	0.001	0.44	1.17	11.4	<0.2	<10	380	0.34	0.25	0.03	0.21	29.2	3.4	18
ZZ67013		0.22	0.001	2.29	1.12	12.4	<0.2	<10	1560	0.33	0.24	0.05	0.21	19.60	3.3	16
ZZ67014		0.26	0.002	2.38	0.63	17.3	<0.2	<10	1950	0.45	0.18	0.49	0.51	16.15	3.1	15
ZZ67015		0.26	0.002	0.64	0.70	14.9	<0.2	<10	1570	0.51	0.17	0.11	0.30	26.5	4.4	14
ZZ67016		0.26	0.001	1.09	0.78	13.1	<0.2	<10	600	0.48	0.24	0.04	0.54	14.75	3.8	16
ZZ67017		0.28	<0.001	0.50	0.69	10.7	<0.2	<10	310	0.26	0.24	0.01	0.26	16.80	2.2	12
ZZ67018		0.28	0.001	0.59	0.65	13.0	<0.2	<10	180	0.28	0.26	0.02	0.19	19.55	2.8	11
ZZ67019		0.18	0.001	0.57	0.58	14.3	<0.2	<10	440	0.42	0.18	0.04	0.30	10.55	2.2	11
ZZ67020		0.26	0.002	0.41	0.51	16.6	<0.2	<10	290	0.48	0.20	0.01	0.23	12.55	2.5	11
ZZ67021		0.26	0.001	0.56	0.76	9.9	<0.2	<10	250	0.21	0.24	0.02	0.13	22.0	2.1	11
ZZ67022		0.22	0.001	2.34	0.63	6.0	<0.2	<10	720	0.31	0.17	0.02	0.18	10.95	0.9	9
ZZ67023		0.26	0.002	1.30	0.86	24.0	<0.2	<10	510	2.73	0.16	0.09	0.88	15.05	26.6	23
ZZ67024		0.24	0.001	1.87	0.50	12.5	<0.2	<10	610	0.76	0.15	0.06	0.46	10.50	7.6	11
ZZ67025		0.20	0.001	0.31	0.39	7.7	<0.2	<10	540	0.46	0.12	0.01	0.06	7.88	0.7	10
ZZ25381		0.30	0.002	3.21	1.58	12.7	<0.2	<10	1280	0.37	0.20	0.13	0.24	10.40	1.4	15
ZZ25382		0.28	0.001	0.54	0.59	11.8	<0.2	<10	330	0.26	0.15	0.02	0.17	10.75	2.6	23
ZZ25383		0.22	0.002	0.68	1.29	17.5	<0.2	<10	1310	0.39	0.33	0.10	0.31	27.1	8.3	22
ZZ25384		0.26	0.001	0.97	0.91	17.1	<0.2	<10	2280	0.29	0.21	0.10	0.19	21.6	3.2	15
ZZ25385		0.20	0.001	0.75	1.11	13.8	<0.2	<10	750	0.47	0.27	0.04	0.21	25.8	3.5	15
ZZ25386		0.20	0.001	0.76	1.18	16.4	<0.2	<10	660	0.33	0.27	0.05	0.21	27.7	4.8	19
ZZ25387		0.18	0.002	0.69	1.00	17.0	<0.2	<10	890	0.49	0.22	0.06	0.24	22.4	4.5	15
ZZ25388		0.22	0.001	0.28	1.08	14.7	<0.2	<10	520	0.82	0.27	0.02	0.21	18.10	10.5	18
ZZ25389		0.22	0.001	0.39	1.25	14.5	<0.2	<10	600	0.37	0.30	0.10	0.28	28.6	7.7	19
ZZ25390		0.20	0.003	0.62	1.35	12.9	<0.2	<10	570	0.33	0.33	0.09	0.16	27.3	5.8	20
ZZ25391		0.24	0.001	1.13	0.89	16.6	<0.2	<10	530	0.20	0.32	0.03	0.10	26.5	3.9	15
ZZ25392		0.16	0.001	1.43	0.75	18.0	<0.2	<10	500	0.25	0.26	0.03	0.10	22.9	3.1	16
ZZ25393		0.20	0.003	1.85	1.56	20.9	<0.2	<10	600	0.52	0.25	0.03	0.19	18.60	3.0	24
ZZ25394		0.22	0.001	1.07	0.60	18.7	<0.2	<10	340	0.54	0.22	0.29	0.41	9.48	2.5	13
ZZ25395		0.22	0.004	2.53	1.53	24.2	<0.2	<10	410	0.62	0.29	0.02	0.78	21.3	4.1	23
ZZ25396		0.22	0.003	1.27	0.77	27.5	<0.2	<10	230	0.60	0.24	0.02	0.19	15.05	2.2	19
ZZ25351		0.28	0.003	0.38	0.93	15.5	<0.2	<10	2710	0.47	0.22	0.03	0.29	25.3	6.5	15
ZZ25352		0.20	0.002	0.42	0.92	14.1	<0.2	<10	2340	0.46	0.23	0.03	0.29	22.7	4.8	16
ZZ25353		0.24	0.001	0.57	0.66	10.7	<0.2	<10	1720	0.27	0.27	0.03	0.20	18.60	3.9	12
ZZ25354		0.22	0.001	4.46	0.62	3.2	<0.2	<10	1050	0.13	0.22	0.05	0.17	19.70	1.1	8
ZZ25355		0.20	0.004	1.04	1.23	15.2	<0.2	<10	500	0.47	0.25	0.05	0.36	27.3	6.8	21



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ25109		1.00	14.1	2.67	4.32	0.06	0.02	0.03	0.027	0.04	18.4	17.2	0.23	238	3.10
ZZ25110		0.96	9.4	3.01	4.57	0.07	<0.02	0.03	0.023	0.04	16.1	18.3	0.30	271	2.67
ZZ67009		1.21	4.5	1.76	5.47	0.05	<0.02	0.05	0.016	0.03	13.9	6.6	0.15	96	1.52
ZZ67010		1.73	9.2	2.88	5.35	0.06	<0.02	0.04	0.026	0.05	14.6	11.1	0.22	176	3.26
ZZ67011		1.17	15.0	1.64	2.05	<0.05	<0.02	0.07	0.028	0.03	6.2	3.2	0.05	34	5.00
ZZ67012		1.59	10.2	2.45	4.80	0.06	<0.02	0.02	0.026	0.05	15.3	9.7	0.18	123	2.98
ZZ67013		1.78	16.7	2.38	3.84	0.05	<0.02	0.07	0.030	0.05	10.4	8.0	0.14	80	3.72
ZZ67014		2.19	26.0	3.07	2.40	0.08	0.02	0.14	0.040	0.07	9.4	5.5	0.07	184	10.95
ZZ67015		1.05	19.8	2.47	2.40	0.07	0.02	0.04	0.029	0.05	14.3	10.0	0.16	110	8.51
ZZ67016		2.84	22.4	2.36	3.56	0.05	<0.02	0.06	0.033	0.05	7.7	2.8	0.04	77	5.72
ZZ67017		1.66	12.8	2.04	3.88	<0.05	<0.02	0.02	0.027	0.04	8.8	2.6	0.04	128	6.18
ZZ67018		2.05	12.4	2.27	3.93	<0.05	<0.02	0.13	0.020	0.04	10.4	4.8	0.10	109	5.62
ZZ67019		1.43	19.6	2.20	2.36	<0.05	<0.02	0.07	0.030	0.05	5.8	2.2	0.03	38	9.32
ZZ67020		1.41	21.6	2.40	2.51	<0.05	<0.02	0.02	0.028	0.04	6.6	1.7	0.03	36	11.85
ZZ67021		1.71	10.4	1.74	4.08	<0.05	<0.02	0.04	0.017	0.04	11.6	4.0	0.09	86	5.43
ZZ67022		2.07	20.1	1.09	2.42	<0.05	<0.02	0.20	0.027	0.05	5.6	1.7	0.02	10	4.14
ZZ67023		3.17	78.9	4.51	1.99	0.08	0.02	0.12	0.046	0.05	8.9	9.9	0.13	297	8.60
ZZ67024		3.05	18.9	2.34	1.93	<0.05	<0.02	0.05	0.027	0.06	5.4	1.5	0.03	2670	12.50
ZZ67025		0.94	11.4	2.43	1.66	<0.05	0.02	0.03	0.026	0.02	3.8	2.3	0.02	21	0.99
ZZ25381		1.22	23.6	2.37	1.41	0.05	0.04	0.08	0.026	0.05	5.6	1.5	0.01	19	4.22
ZZ25382		1.40	8.0	3.14	4.37	<0.05	0.02	0.18	0.063	0.22	6.4	4.4	0.05	56	3.32
ZZ25383		2.25	17.1	2.98	4.36	0.05	0.10	0.10	0.046	0.07	14.2	18.5	0.25	147	3.18
ZZ25384		1.09	22.0	2.45	2.69	<0.05	0.02	0.04	0.035	0.05	11.8	6.3	0.09	79	6.05
ZZ25385		1.92	19.2	2.01	4.49	<0.05	<0.02	0.05	0.025	0.05	13.8	9.3	0.13	132	3.33
ZZ25386		1.28	17.5	2.71	3.94	<0.05	0.04	0.04	0.039	0.05	13.6	11.6	0.23	142	4.19
ZZ25387		1.54	22.2	2.24	2.35	0.05	0.06	0.06	0.038	0.05	11.8	21.1	0.10	101	6.23
ZZ25388		2.94	22.9	3.63	4.67	<0.05	<0.02	0.02	0.049	0.03	8.8	12.2	0.13	159	2.42
ZZ25389		1.34	12.6	2.93	4.29	<0.05	0.05	0.03	0.033	0.05	15.3	21.3	0.33	287	2.46
ZZ25390		2.56	13.9	2.90	4.29	<0.05	0.07	0.06	0.033	0.06	14.3	17.9	0.28	199	2.40
ZZ25391		1.63	12.7	2.61	5.26	<0.05	<0.02	0.03	0.021	0.05	14.3	7.3	0.17	125	2.77
ZZ25392		1.23	12.3	2.65	4.31	<0.05	<0.02	0.03	0.025	0.06	13.2	4.7	0.10	85	4.52
ZZ25393		1.76	21.4	4.09	3.93	0.05	0.04	0.15	0.064	0.06	10.7	13.7	0.10	79	10.35
ZZ25394		2.12	28.7	2.66	2.44	0.05	<0.02	0.04	0.038	0.04	5.5	5.1	0.04	33	9.76
ZZ25395		4.16	62.9	2.88	3.71	0.06	0.05	0.43	0.067	0.08	11.4	12.7	0.09	58	11.60
ZZ25396		2.01	32.7	2.73	2.53	0.05	0.02	0.16	0.040	0.04	8.5	6.8	0.06	48	11.40
ZZ25351		1.71	20.7	3.02	3.05	<0.05	<0.02	0.04	0.033	0.05	13.1	9.6	0.17	142	6.43
ZZ25352		1.77	21.4	3.00	3.41	<0.05	<0.02	0.04	0.031	0.04	12.9	8.6	0.14	139	8.01
ZZ25353		1.74	14.9	2.29	2.98	<0.05	<0.02	0.06	0.023	0.03	9.7	4.7	0.09	147	6.78
ZZ25354		2.82	14.3	0.91	3.25	<0.05	<0.02	0.07	0.020	0.03	10.3	1.1	0.02	31	2.65
ZZ25355		2.09	24.1	3.80	3.99	0.05	0.02	0.08	0.040	0.05	14.1	10.8	0.25	184	8.28



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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Sample Description	Method Analyte Units LOR	ME- MS41 Nb ppm 0.05	ME- MS41 Ni ppm 0.2	ME- MS41 P ppm 10	ME- MS41 Pb ppm 0.2	ME- MS41 Rb ppm 0.1	ME- MS41 Re ppm 0.001	ME- MS41 S % 0.01	ME- MS41 Sb ppm 0.05	ME- MS41 Sc ppm 0.1	ME- MS41 Se ppm 0.2	ME- MS41 Sn ppm 0.2	ME- MS41 Sr ppm 0.2	ME- MS41 Ta ppm 0.01	ME- MS41 Te ppm 0.01	ME- MS41 Th ppm 0.2
ZZ25109		0.63	23.1	800	15.1	11.6	<0.001	0.03	0.80	1.7	0.7	0.5	16.5	<0.01	0.03	1.2
ZZ25110		0.78	19.3	640	14.5	11.9	<0.001	0.02	0.75	1.5	0.4	0.5	9.8	<0.01	0.04	1.3
ZZ67009		0.23	5.8	1160	10.9	7.2	<0.001	0.03	0.28	0.4	0.9	0.7	7.7	<0.01	0.02	<0.2
ZZ67010		0.81	13.4	1440	14.7	12.8	<0.001	0.03	0.82	1.3	1.1	0.6	13.5	<0.01	0.04	1.1
ZZ67011		0.17	11.8	1380	10.8	7.3	<0.001	0.11	0.96	0.4	2.1	0.5	20.3	<0.01	0.05	<0.2
ZZ67012		0.51	11.7	1480	14.0	11.5	<0.001	0.04	0.68	1.0	1.0	0.7	10.4	<0.01	0.04	0.5
ZZ67013		0.28	15.0	2410	13.1	12.0	<0.001	0.08	0.85	0.4	2.1	0.7	17.4	<0.01	0.05	<0.2
ZZ67014		0.15	23.6	3040	17.8	15.3	0.004	0.17	2.72	0.6	7.5	0.7	35.6	<0.01	0.09	<0.2
ZZ67015		0.47	20.8	1160	12.8	6.8	0.001	0.10	2.33	1.9	3.1	0.5	26.8	<0.01	0.06	1.7
ZZ67016		0.16	17.6	2220	17.9	10.6	<0.001	0.11	1.06	0.2	2.0	0.6	13.3	<0.01	0.06	<0.2
ZZ67017		0.38	10.1	1860	14.7	9.0	<0.001	0.02	1.00	0.4	1.0	0.6	9.8	<0.01	0.04	<0.2
ZZ67018		0.51	11.0	1090	18.6	10.5	<0.001	0.03	1.07	0.7	1.6	0.5	12.6	<0.01	0.03	0.4
ZZ67019		0.38	15.9	1270	14.4	7.8	<0.001	0.07	1.73	0.9	2.2	0.4	15.6	<0.01	0.07	0.4
ZZ67020		0.16	18.2	1240	16.6	7.4	<0.001	0.06	1.95	0.5	2.5	0.4	15.5	<0.01	0.07	0.2
ZZ67021		0.29	8.4	1130	13.5	11.7	<0.001	0.02	0.80	0.3	1.0	0.5	9.0	<0.01	0.03	<0.2
ZZ67022		0.21	8.1	1250	16.1	6.9	<0.001	0.06	0.75	0.2	2.2	0.4	11.2	<0.01	0.04	<0.2
ZZ67023		<0.05	105.0	1740	14.7	8.0	0.003	0.07	4.48	7.0	5.9	0.2	49.6	<0.01	0.10	3.3
ZZ67024		0.09	18.9	2560	12.5	12.4	<0.001	0.15	3.30	0.2	2.5	0.4	17.7	<0.01	0.06	<0.2
ZZ67025		0.16	3.7	860	58.8	4.0	<0.001	0.03	0.37	2.0	1.6	0.2	11.8	<0.01	0.05	0.9
ZZ25381		0.19	32.7	2310	13.7	6.0	0.001	0.15	1.13	1.8	3.4	0.9	32.4	<0.01	0.08	1.6
ZZ25382		0.25	9.4	1060	13.6	9.5	<0.001	0.77	0.87	2.1	3.9	1.8	31.2	<0.01	0.03	3.3
ZZ25383		0.65	27.2	2020	30.9	9.6	0.001	0.08	1.65	2.6	1.5	0.6	25.5	<0.01	0.06	2.9
ZZ25384		0.48	19.6	1710	16.3	7.1	<0.001	0.13	3.11	1.6	4.2	0.7	38.7	<0.01	0.06	1.8
ZZ25385		0.36	12.4	960	18.8	8.6	<0.001	0.04	1.01	0.5	1.4	0.7	14.9	<0.01	0.05	0.3
ZZ25386		0.69	17.5	1020	19.8	8.4	<0.001	0.05	1.71	1.6	2.4	0.5	18.7	<0.01	0.06	1.5
ZZ25387		0.43	24.3	920	19.7	8.2	<0.001	0.06	2.26	2.2	3.1	0.4	26.3	<0.01	0.06	2.3
ZZ25388		0.44	33.4	950	12.1	6.6	<0.001	0.03	0.89	1.5	0.9	0.5	11.8	<0.01	0.07	0.3
ZZ25389		0.75	17.5	1300	15.2	8.3	<0.001	0.04	1.05	1.9	1.5	0.6	16.4	<0.01	0.04	2.3
ZZ25390		0.79	17.1	1250	25.8	11.5	0.001	0.05	0.91	1.8	2.0	0.6	18.7	<0.01	0.08	2.9
ZZ25391		0.58	13.0	930	17.6	9.9	0.001	0.03	0.97	0.7	1.1	0.6	12.2	<0.01	0.04	0.3
ZZ25392		0.68	14.6	1580	19.3	9.4	<0.001	0.09	1.41	0.9	3.0	0.7	32.3	<0.01	0.06	0.7
ZZ25393		1.15	17.7	1530	20.8	11.7	0.001	0.07	2.22	2.4	3.8	0.7	22.0	<0.01	0.12	2.6
ZZ25394		0.25	19.1	870	18.9	8.5	0.002	0.06	2.24	1.4	5.1	0.4	22.2	<0.01	0.09	0.8
ZZ25395		0.43	46.4	1110	32.2	12.3	0.003	0.11	3.07	2.7	6.3	0.5	26.0	<0.01	0.14	1.8
ZZ25396		0.36	16.4	900	19.7	8.2	0.004	0.06	3.32	1.8	7.1	0.3	21.8	<0.01	0.10	1.5
ZZ25351		0.70	24.9	750	14.2	7.6	<0.001	0.08	1.63	2.0	2.1	0.5	27.7	<0.01	0.07	2.0
ZZ25352		0.91	22.5	890	13.6	8.5	<0.001	0.07	1.71	2.0	1.9	0.5	25.7	<0.01	0.06	1.9
ZZ25353		0.22	14.3	950	17.1	7.6	<0.001	0.05	1.08	0.6	1.3	0.6	19.2	<0.01	0.05	0.2
ZZ25354		0.12	8.2	1380	18.4	5.7	<0.001	0.03	0.33	0.1	1.2	0.7	23.1	<0.01	0.03	<0.2
ZZ25355		1.02	32.0	1200	16.4	9.3	<0.001	0.04	1.82	2.0	2.4	0.5	21.6	<0.01	0.08	1.4



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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 LIMITED
 1016- 510 W HASTINGS ST
 VANCOUVER BC V6B 1L8

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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ25109		0.010	0.12	1.11	47	0.23	9.55	110	<0.5
ZZ25110		0.015	0.12	0.62	47	0.20	3.83	97	0.6
ZZ67009		0.008	0.14	0.55	36	0.18	1.80	26	<0.5
ZZ67010		0.017	0.16	0.66	48	0.25	2.89	65	<0.5
ZZ67011		<0.005	0.13	1.35	26	0.08	4.87	46	<0.5
ZZ67012		0.013	0.17	0.93	43	0.20	3.29	60	<0.5
ZZ67013		0.006	0.16	1.13	36	0.21	4.23	59	<0.5
ZZ67014		0.005	0.31	1.98	52	0.14	6.65	118	<0.5
ZZ67015		0.016	0.19	1.88	48	0.15	7.21	100	<0.5
ZZ67016		<0.005	0.15	1.26	39	0.11	5.56	71	<0.5
ZZ67017		0.011	0.15	1.02	43	0.16	1.96	54	<0.5
ZZ67018		0.012	0.19	0.85	36	0.17	2.53	50	<0.5
ZZ67019		0.006	0.17	1.88	41	0.10	3.24	67	<0.5
ZZ67020		0.005	0.22	1.62	45	0.08	3.69	84	<0.5
ZZ67021		0.008	0.15	0.87	32	0.20	2.11	36	<0.5
ZZ67022		<0.005	0.17	1.37	22	0.08	5.02	19	<0.5
ZZ67023		<0.005	0.41	3.14	62	0.09	35.6	434	0.7
ZZ67024		<0.005	0.36	2.63	46	0.08	5.50	94	<0.5
ZZ67025		<0.005	0.04	0.86	18	<0.05	5.54	23	0.5
ZZ25381		<0.005	0.64	1.30	13	0.33	7.67	64	1.1
ZZ25382		0.005	0.19	0.50	21	0.16	2.43	31	0.6
ZZ25383		0.008	0.22	1.23	39	0.39	5.20	145	3.2
ZZ25384		0.009	0.33	1.47	46	0.23	5.49	80	0.7
ZZ25385		0.009	0.20	1.04	41	0.21	4.45	53	<0.5
ZZ25386		0.010	0.22	1.22	41	0.25	4.58	68	1.3
ZZ25387		0.006	0.35	1.21	40	0.15	6.91	111	1.6
ZZ25388		0.014	0.15	0.76	48	0.12	5.94	128	<0.5
ZZ25389		0.014	0.13	0.94	34	0.29	4.46	88	1.3
ZZ25390		0.009	0.15	0.86	35	0.27	3.97	75	1.8
ZZ25391		0.013	0.12	0.68	42	0.27	2.64	58	<0.5
ZZ25392		0.011	0.25	0.69	59	0.26	3.16	66	<0.5
ZZ25393		0.009	0.26	1.71	83	0.16	4.11	82	1.4
ZZ25394		0.005	0.26	1.49	60	0.09	4.04	92	<0.5
ZZ25395		0.005	0.35	3.24	96	0.10	7.87	114	1.6
ZZ25396		0.006	0.35	2.02	90	0.10	6.29	71	0.7
ZZ25351		0.015	0.17	1.58	41	0.10	5.07	102	0.5
ZZ25352		0.016	0.22	1.68	48	0.12	4.59	95	0.5
ZZ25353		0.008	0.12	1.31	35	0.12	3.39	62	<0.5
ZZ25354		<0.005	0.10	1.07	20	0.08	2.76	19	<0.5
ZZ25355		0.017	0.17	1.65	44	0.17	5.51	112	0.6



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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 LIMITED
 1016- 510 W HASTINGS ST
 VANCOUVER BC V6B 1L8

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ25356		0.20	0.002	0.38	1.17	17.7	<0.2	<10	410	0.52	0.27	0.08	0.35	29.1	9.6	17
ZZ25357		0.28	0.002	0.24	0.63	17.5	<0.2	<10	1750	0.51	0.22	0.02	0.24	16.45	4.3	12
ZZ25358		0.30	0.002	1.06	1.48	12.6	<0.2	<10	3040	0.73	0.30	0.23	0.37	21.7	5.9	19
ZZ25359		0.24	0.001	0.43	1.10	14.2	<0.2	<10	160	0.41	0.31	0.07	0.23	25.1	4.5	16
ZZ25360		0.16	0.002	0.60	1.80	15.3	<0.2	<10	160	0.65	0.27	0.11	0.26	38.8	8.9	19
ZZ25361		0.22	0.004	2.29	1.51	13.0	<0.2	<10	300	0.67	0.29	0.11	0.63	34.4	7.5	23
ZZ25362		0.18	0.001	0.18	1.30	12.6	<0.2	<10	190	0.72	0.28	0.17	0.43	42.2	8.9	19
ZZ25363		0.26	0.002	0.54	1.12	16.4	<0.2	<10	190	0.54	0.33	0.04	0.20	29.2	5.9	20
ZZ25364		0.28	0.001	0.80	1.62	11.2	<0.2	<10	130	0.60	0.32	0.04	0.18	32.5	5.9	20
ZZ25365		0.20	0.002	0.65	1.22	13.7	<0.2	<10	180	0.50	0.29	0.11	0.27	35.0	6.3	20
ZZ25366		0.26	0.001	0.30	1.12	18.8	<0.2	<10	180	0.63	0.23	0.06	0.22	29.0	4.9	18
ZZ25367		0.32	0.001	2.05	1.48	14.8	<0.2	<10	210	0.71	0.28	0.05	0.24	26.9	5.8	20
ZZ25368		0.26	0.002	0.74	1.00	18.1	<0.2	<10	210	0.56	0.25	0.03	0.27	26.7	4.0	17
ZZ25369		0.24	0.002	0.89	0.52	35.5	<0.2	<10	430	0.31	0.59	0.04	0.07	12.60	0.6	15
ZZ25370		0.20	0.002	0.76	0.97	28.7	<0.2	<10	470	0.67	0.38	0.01	0.21	23.7	3.8	19
ZZ25371		0.20	0.002	2.23	0.56	31.7	<0.2	<10	430	0.20	0.54	0.01	0.06	11.50	0.7	20
ZZ25372		0.20	0.001	0.97	1.12	26.2	<0.2	<10	840	0.99	0.32	0.02	0.47	32.7	5.0	22
ZZ25373		0.18	0.001	0.89	1.12	23.0	<0.2	<10	520	0.59	0.30	0.04	0.26	28.1	4.3	21
ZZ25374		0.18	0.001	0.84	1.08	22.2	<0.2	<10	380	0.77	0.27	0.04	0.28	32.3	4.7	20
ZZ25375		0.22	0.002	1.11	0.78	24.7	<0.2	<10	290	0.86	0.24	0.04	0.28	23.5	3.2	15
ZZ25376		0.28	0.001	1.01	0.67	19.4	<0.2	<10	350	0.54	0.21	0.07	0.20	19.90	2.4	17
ZZ25377		0.18	<0.001	1.53	1.09	20.0	<0.2	<10	470	0.81	0.37	0.04	0.51	17.00	4.2	21
ZZ25378		0.12	<0.001	1.69	1.03	9.7	<0.2	<10	990	0.46	0.29	0.07	0.35	15.00	3.0	16
ZZ25379		0.20	0.002	4.21	1.53	15.7	<0.2	<10	770	0.57	0.31	0.14	0.24	38.6	10.0	24
ZZ25380		0.26	0.002	2.36	1.06	16.6	<0.2	<10	1650	0.64	0.21	0.21	0.42	25.8	6.6	21



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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 LIMITED
 1016- 510 W HASTINGS ST
 VANCOUVER BC V6B 1L8

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ25356		2.12	22.2	3.30	3.70	<0.05	0.05	0.04	0.037	0.04	15.0	17.1	0.28	265	7.87
ZZ25357		1.71	25.3	3.06	2.61	<0.05	<0.02	0.03	0.031	0.03	8.4	3.9	0.06	100	10.85
ZZ25358		3.13	20.6	2.78	4.48	<0.05	0.02	0.17	0.036	0.07	11.5	8.9	0.16	431	5.85
ZZ25359		2.26	11.9	2.70	5.02	0.05	<0.02	0.06	0.024	0.04	12.3	8.8	0.18	140	4.15
ZZ25360		1.40	16.8	2.97	3.85	0.05	0.13	0.05	0.029	0.05	19.1	22.9	0.37	306	2.35
ZZ25361		4.06	21.6	2.92	4.61	0.05	0.05	0.28	0.032	0.07	17.1	18.3	0.38	585	2.45
ZZ25362		1.79	16.0	2.94	4.22	0.08	0.03	0.05	0.025	0.07	20.5	16.4	0.33	369	3.05
ZZ25363		2.99	16.3	3.40	5.34	0.07	<0.02	0.09	0.028	0.06	15.1	11.5	0.24	208	3.29
ZZ25364		1.97	12.5	3.13	5.74	0.08	0.02	0.09	0.028	0.05	16.5	22.9	0.34	215	1.59
ZZ25365		2.05	18.7	3.09	5.41	0.08	<0.02	0.08	0.026	0.07	18.4	13.8	0.68	240	3.86
ZZ25366		2.00	18.5	3.48	3.74	0.08	<0.02	0.06	0.031	0.05	15.7	9.8	0.21	114	10.10
ZZ25367		1.84	16.0	3.35	4.48	0.07	0.04	0.08	0.030	0.04	14.1	18.7	0.24	200	4.43
ZZ25368		1.28	19.8	3.11	3.90	0.07	0.02	0.07	0.030	0.04	14.3	9.0	0.17	116	8.92
ZZ25369		2.40	19.7	2.40	4.53	0.05	<0.02	0.19	0.033	0.10	6.7	3.5	0.01	11	5.04
ZZ25370		2.38	27.8	3.18	3.86	0.08	0.02	0.18	0.044	0.08	12.7	13.6	0.12	78	10.95
ZZ25371		2.97	12.7	2.68	5.71	0.06	0.02	0.16	0.044	0.28	7.0	3.3	0.02	34	4.29
ZZ25372		2.64	38.5	2.93	3.62	0.09	0.04	0.20	0.045	0.07	17.9	10.3	0.14	122	17.85
ZZ25373		2.88	27.4	2.78	3.91	0.08	0.03	0.13	0.034	0.06	15.2	14.3	0.20	145	12.30
ZZ25374		2.16	29.5	2.75	3.05	0.09	0.03	0.11	0.033	0.06	17.9	13.3	0.19	136	15.10
ZZ25375		1.16	35.2	2.76	2.54	0.08	0.02	0.11	0.038	0.04	13.7	6.7	0.08	73	15.10
ZZ25376		1.67	22.9	2.37	2.52	0.07	0.02	0.22	0.039	0.04	10.8	6.2	0.09	68	14.10
ZZ25377		7.04	44.5	2.28	3.62	0.06	0.04	0.23	0.070	0.06	8.8	13.9	0.05	107	5.62
ZZ25378		4.88	30.5	1.76	4.18	0.05	0.02	0.14	0.056	0.07	8.1	5.5	0.06	92	4.73
ZZ25379		1.29	19.2	2.94	4.16	0.09	0.05	0.07	0.027	0.05	19.7	20.8	0.41	289	1.73
ZZ25380		1.52	31.8	2.78	3.00	0.11	0.06	0.08	0.038	0.08	14.9	6.5	0.10	134	5.56



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 North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME- MS41 Nb ppm 0.05	ME- MS41 Ni ppm 0.2	ME- MS41 P ppm 10	ME- MS41 Pb ppm 0.2	ME- MS41 Rb ppm 0.1	ME- MS41 Re ppm 0.001	ME- MS41 S % 0.01	ME- MS41 Sb ppm 0.05	ME- MS41 Sc ppm 0.1	ME- MS41 Se ppm 0.2	ME- MS41 Sn ppm 0.2	ME- MS41 Sr ppm 0.2	ME- MS41 Ta ppm 0.01	ME- MS41 Te ppm 0.01	ME- MS41 Th ppm 0.2
ZZ25356		0.71	29.8	890	19.7	7.8	0.001	0.02	1.59	2.4	1.6	0.5	17.7	<0.01	0.03	2.8
ZZ25357		0.34	20.5	950	15.9	6.5	0.001	0.05	1.82	1.5	2.1	0.5	22.3	<0.01	0.07	0.6
ZZ25358		0.42	23.8	1820	21.3	18.1	<0.001	0.06	1.03	1.1	1.6	0.6	28.9	<0.01	0.06	0.4
ZZ25359		0.76	18.6	1200	19.4	8.9	<0.001	0.03	1.57	0.8	1.1	0.5	16.5	<0.01	0.03	0.5
ZZ25360		1.05	24.8	930	16.1	10.0	<0.001	0.02	1.26	2.5	0.9	0.4	13.7	<0.01	0.05	5.0
ZZ25361		0.60	24.3	1140	22.0	17.2	<0.001	0.02	1.00	2.8	2.0	0.5	15.4	<0.01	0.05	1.7
ZZ25362		0.98	27.2	1130	18.3	13.7	<0.001	0.02	1.36	2.1	1.3	0.4	14.6	<0.01	0.04	2.8
ZZ25363		0.66	21.5	950	17.5	17.1	<0.001	0.03	1.02	1.1	1.3	0.6	14.1	<0.01	0.07	0.4
ZZ25364		1.46	15.7	550	22.3	14.2	<0.001	0.02	0.61	2.2	0.8	0.6	7.0	<0.01	0.05	3.1
ZZ25365		1.34	25.1	1020	23.7	14.6	<0.001	0.04	1.15	1.7	1.6	0.5	14.5	<0.01	0.05	1.0
ZZ25366		0.76	24.0	1310	15.8	13.7	<0.001	0.04	2.63	1.8	2.5	0.5	15.4	<0.01	0.06	1.3
ZZ25367		1.05	19.5	1180	15.8	12.5	<0.001	0.04	1.28	2.2	1.8	0.5	12.1	<0.01	0.06	3.1
ZZ25368		0.78	17.5	850	17.8	12.0	<0.001	0.04	2.40	1.8	3.0	0.5	16.0	<0.01	0.07	1.8
ZZ25369		0.11	4.0	510	62.0	12.1	0.001	0.20	1.18	1.6	4.2	0.5	19.3	<0.01	0.28	1.0
ZZ25370		0.36	21.5	620	35.5	11.7	0.001	0.14	2.32	2.9	4.0	0.4	22.9	<0.01	0.14	2.2
ZZ25371		0.11	3.5	620	54.4	19.8	<0.001	0.71	0.76	1.4	4.3	0.6	40.4	<0.01	0.35	1.3
ZZ25372		0.45	29.8	690	25.2	10.9	0.001	0.07	4.21	3.8	5.6	0.5	21.5	<0.01	0.14	2.5
ZZ25373		0.45	21.0	910	25.8	13.8	0.001	0.06	3.31	1.9	4.2	0.5	17.0	<0.01	0.10	1.0
ZZ25374		0.65	22.7	770	24.0	10.6	0.001	0.06	5.04	2.2	6.2	0.5	21.4	<0.01	0.08	2.5
ZZ25375		0.64	20.3	790	17.6	7.4	0.002	0.05	5.29	2.2	6.8	0.4	20.7	<0.01	0.13	1.8
ZZ25376		0.44	14.1	1420	15.9	8.4	0.002	0.08	4.28	2.4	5.0	0.4	18.9	<0.01	0.08	1.5
ZZ25377		0.31	19.3	1130	28.0	13.0	0.003	0.09	1.20	2.6	2.1	0.5	20.1	<0.01	0.08	0.9
ZZ25378		0.31	15.8	2230	23.8	16.7	<0.001	0.15	0.84	0.4	1.9	0.9	19.7	<0.01	0.05	<0.2
ZZ25379		0.74	26.5	1600	14.0	9.0	<0.001	0.05	1.11	2.8	2.0	0.5	26.8	<0.01	0.04	4.7
ZZ25380		0.36	29.8	3910	14.4	11.5	0.002	0.16	2.62	2.0	6.6	1.0	106.5	<0.01	0.11	1.8



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 North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ25356		0.011	0.13	1.78	35	0.15	5.99	107	1.5
ZZ25357		0.011	0.12	1.89	40	0.09	4.83	89	<0.5
ZZ25358		<0.005	0.29	2.44	51	0.15	8.91	101	0.5
ZZ25359		0.014	0.17	0.96	42	0.24	3.71	78	<0.5
ZZ25360		0.015	0.15	1.11	32	0.25	6.30	90	3.5
ZZ25361		0.011	0.20	1.42	41	0.31	6.97	134	1.4
ZZ25362		0.021	0.16	1.14	46	0.30	7.93	109	0.6
ZZ25363		0.019	0.16	0.87	45	0.21	4.02	93	<0.5
ZZ25364		0.023	0.12	0.86	44	0.26	4.31	73	<0.5
ZZ25365		0.027	0.15	0.91	57	0.34	4.83	88	<0.5
ZZ25366		0.016	0.22	2.01	66	0.20	4.71	120	<0.5
ZZ25367		0.012	0.15	1.07	49	0.18	4.17	93	1.0
ZZ25368		0.014	0.18	1.27	69	0.15	4.44	101	<0.5
ZZ25369		<0.005	0.17	0.90	47	<0.05	3.72	16	<0.5
ZZ25370		0.005	0.30	2.06	77	0.09	6.96	93	0.5
ZZ25371		<0.005	0.37	0.81	40	<0.05	2.63	15	<0.5
ZZ25372		0.007	0.43	3.81	150	0.12	15.70	132	0.8
ZZ25373		0.009	0.34	2.24	128	0.15	5.66	94	0.6
ZZ25374		0.013	0.41	2.56	157	0.14	7.32	96	0.8
ZZ25375		0.019	0.28	2.67	129	0.11	7.88	100	0.5
ZZ25376		0.011	0.32	2.76	90	0.10	7.68	61	<0.5
ZZ25377		<0.005	0.37	2.74	56	0.08	7.78	51	0.8
ZZ25378		<0.005	0.25	1.98	44	0.12	6.48	51	<0.5
ZZ25379		0.014	0.16	1.20	35	0.27	8.05	105	1.1
ZZ25380		0.008	0.48	1.69	47	0.37	12.30	132	1.4



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Method	CERTIFICATE COMMENTS
ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).



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P.O. No.:

This report is for 163 Soil samples submitted to our lab in Whitehorse, YT, Canada on 14- SEP- 2011.

The following have access to data associated with this certificate:

SARAH EATON

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
EXTRA- 01	Extra Sample received in Shipment
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- TL43	Trace Level Au - 25g AR	ICP- MS
ME- MS41	51 anal. aqua regia ICPMS	

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
ATTN: JOAN MARIACHER
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VANCOUVER BC V6B 1L8**

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ25251		0.30	0.002	0.39	0.53	19.0	<0.2	<10	330	0.35	0.17	0.02	0.43	28.0	1.9	10
ZZ25252		0.30	0.001	0.39	1.14	24.2	<0.2	<10	240	0.34	0.25	0.05	0.30	33.0	3.4	21
ZZ25253		0.24	0.001	0.37	0.33	16.6	<0.2	<10	410	0.28	0.14	0.11	0.50	23.6	1.4	8
ZZ25254		0.28	0.003	0.34	0.32	12.5	<0.2	<10	340	0.31	0.14	0.05	0.28	25.5	0.8	6
ZZ25255		0.20	<0.001	0.73	0.87	14.9	<0.2	<10	150	0.28	0.26	0.05	0.24	25.9	2.8	14
ZZ25256		0.24	0.001	1.02	0.84	34.2	<0.2	<10	200	0.41	0.24	0.05	0.55	24.1	1.5	25
ZZ25257		0.24	0.001	0.82	1.46	17.8	<0.2	<10	150	0.51	0.32	0.02	0.53	31.4	4.6	20
ZZ25258		0.20	0.002	1.28	0.42	21.3	<0.2	<10	310	0.42	0.16	0.06	1.07	23.9	1.2	13
ZZ25259		0.22	0.001	0.93	0.45	15.1	<0.2	<10	190	0.43	0.15	0.20	1.25	21.1	2.3	12
ZZ25260		0.24	<0.001	0.78	0.96	26.8	<0.2	<10	150	0.33	0.27	0.03	0.35	23.3	2.5	20
ZZ25261		0.24	<0.001	0.61	0.38	21.6	<0.2	<10	130	0.20	0.25	0.02	0.21	23.2	1.4	10
ZZ25262		0.24	<0.001	1.32	1.44	16.1	<0.2	<10	130	0.67	0.28	0.10	0.53	35.9	4.9	26
ZZ25263		0.24	0.001	0.83	1.71	47.8	<0.2	10	470	1.65	0.16	0.23	2.71	34.3	7.4	72
ZZ25264		0.30	<0.001	0.42	0.87	10.7	<0.2	<10	150	0.35	0.24	0.05	1.24	26.8	2.1	26
ZZ25265		0.24	0.002	0.57	1.17	11.7	<0.2	<10	160	0.31	0.25	0.06	0.75	26.3	4.2	20
ZZ25266		0.30	0.001	0.28	0.34	21.5	<0.2	<10	180	0.22	0.14	0.49	0.94	52.7	2.3	15
ZZ25267		0.20	0.001	0.32	0.82	13.7	<0.2	<10	330	0.50	0.18	4.73	1.46	36.3	6.6	22
ZZ25268		0.22	0.001	0.53	1.11	39.9	<0.2	<10	710	0.74	0.26	2.32	2.64	45.0	12.5	30
ZZ25269		0.30	0.001	0.41	0.95	9.7	<0.2	<10	400	0.58	0.26	1.04	1.11	30.0	6.6	19
ZZ25270		0.20	0.001	0.23	0.86	13.7	<0.2	<10	410	0.46	0.21	1.55	1.04	30.3	5.7	19
ZZ25271		0.20	0.002	0.69	1.16	47.0	<0.2	<10	490	1.20	0.24	1.85	3.00	87.1	11.1	32
ZZ25272		0.20	0.001	0.48	0.89	17.0	<0.2	<10	830	0.72	0.21	1.67	2.47	31.4	7.6	21
ZZ25273		0.22	<0.001	0.09	0.45	8.7	<0.2	<10	230	0.23	0.19	0.20	0.74	30.7	2.2	11
ZZ25274		0.22	0.001	0.57	1.20	20.3	<0.2	<10	430	0.82	0.26	1.54	1.85	41.9	9.3	21
ZZ25275		0.30	<0.001	0.26	0.66	22.4	<0.2	<10	540	0.45	0.23	0.54	0.64	29.3	4.1	15
ZZ25276		0.28	0.001	0.22	1.18	18.3	<0.2	<10	670	0.76	0.21	0.26	3.10	41.3	5.4	20
ZZ25277		0.22	0.002	0.59	0.68	77.5	<0.2	<10	660	0.80	0.23	0.80	11.25	48.7	10.7	19
ZZ25278		0.24	0.001	0.20	0.89	22.6	<0.2	<10	330	0.45	0.23	0.16	1.63	38.3	6.0	19
ZZ25279		0.26	0.001	0.09	0.64	48.2	<0.2	<10	400	0.80	0.31	0.02	2.51	66.9	9.6	17
ZZ25280		0.30	<0.001	0.06	0.71	54.2	<0.2	<10	260	0.97	0.32	0.08	3.02	64.3	9.9	16
ZZ25281		0.28	0.001	0.09	0.88	43.7	<0.2	<10	520	0.88	0.25	0.02	2.53	53.1	6.8	19
ZZ25282		0.24	0.001	0.27	0.80	35.4	<0.2	<10	650	0.95	0.19	0.53	5.93	52.8	11.7	20
ZZ25283		0.24	0.001	0.14	1.22	10.7	<0.2	<10	170	0.36	0.24	0.10	1.14	32.3	4.9	19
ZZ25284		0.26	0.001	0.21	0.97	23.3	<0.2	<10	730	0.83	0.20	0.54	9.57	50.3	7.6	22
ZZ25285		0.28	0.001	0.07	1.37	18.0	<0.2	<10	260	0.60	0.28	0.08	2.94	38.7	6.1	26
ZZ25286		0.22	0.002	0.49	0.27	12.8	<0.2	<10	490	0.38	0.14	0.01	4.17	50.7	2.4	17
ZZ25287		0.32	<0.001	0.17	0.80	27.0	<0.2	<10	320	0.44	0.21	0.26	2.26	39.7	4.5	20
ZZ25288		0.30	0.001	0.11	0.99	48.2	<0.2	<10	260	0.88	0.27	0.08	3.24	56.0	6.7	21
ZZ25289		0.18	0.001	0.34	1.16	43.7	<0.2	<10	800	1.21	0.25	0.99	4.92	58.1	14.2	24
ZZ25090		0.20	0.002	1.38	1.00	14.5	<0.2	<10	1810	0.61	0.31	0.08	0.37	19.00	3.5	19



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To: ARCHER, CATHRO AND ASSOCIATES (1981)
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CERTIFICATE OF ANALYSIS WH11188171

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ25251		0.61	21.1	1.75	1.93	0.08	0.05	0.04	0.031	0.07	16.9	3.4	0.06	38	17.35
ZZ25252		1.29	15.2	2.71	4.02	0.09	0.03	0.05	0.051	0.08	18.3	12.4	0.19	178	19.70
ZZ25253		0.54	18.6	1.42	1.45	0.07	0.04	0.05	0.025	0.07	13.6	2.6	0.05	38	12.30
ZZ25254		0.38	20.2	0.88	1.36	0.07	0.07	0.06	0.024	0.05	13.9	2.4	0.04	15	10.00
ZZ25255		0.87	9.5	2.44	3.67	0.09	0.04	0.03	0.023	0.06	14.7	9.8	0.16	103	11.55
ZZ25256		0.78	25.1	2.75	3.95	0.12	0.11	0.04	0.033	0.09	16.5	6.1	0.14	32	34.6
ZZ25257		1.14	14.8	2.84	5.09	0.11	0.14	0.03	0.028	0.05	17.3	17.4	0.28	160	14.45
ZZ25258		0.39	33.4	1.61	2.02	0.10	0.07	0.15	0.035	0.07	15.4	3.4	0.06	23	28.5
ZZ25259		0.70	41.0	1.42	1.84	0.09	0.02	0.09	0.024	0.05	12.8	5.2	0.04	90	36.7
ZZ25260		0.87	15.7	3.48	4.77	0.11	0.04	0.04	0.033	0.06	14.8	7.4	0.13	83	30.5
ZZ25261		0.65	17.8	2.25	3.86	0.11	0.07	0.03	0.020	0.08	14.8	1.8	0.05	31	31.6
ZZ25262		1.06	24.7	2.81	5.28	0.12	0.03	0.09	0.029	0.06	19.3	21.4	0.35	202	12.10
ZZ25263		1.69	112.0	1.83	4.92	0.17	0.06	0.11	0.028	0.19	23.1	26.2	0.53	37	43.2
ZZ25264		1.12	16.2	1.16	5.46	0.06	<0.02	0.04	0.012	0.07	15.1	12.7	0.22	107	6.56
ZZ25265		0.73	8.8	2.42	6.04	0.07	<0.02	0.04	0.021	0.05	13.4	18.6	0.24	165	6.03
ZZ25266		0.52	12.5	1.81	2.99	0.11	0.03	0.04	0.023	0.04	24.0	1.5	0.03	48	13.20
ZZ25267		0.75	11.3	2.23	2.73	0.09	0.08	0.10	0.036	0.05	18.1	8.8	2.18	773	2.44
ZZ25268		1.42	13.4	4.23	3.52	0.11	0.12	0.20	0.062	0.07	20.4	9.6	0.68	1670	5.32
ZZ25269		0.79	16.1	1.82	3.53	0.06	0.07	0.07	0.028	0.05	15.6	11.2	0.31	362	4.62
ZZ25270		0.65	8.8	2.15	3.13	0.05	0.07	0.09	0.032	0.05	14.2	9.2	0.34	493	4.88
ZZ25271		1.11	11.1	6.21	2.78	0.17	0.11	0.10	0.074	0.08	33.8	6.5	0.46	2570	9.22
ZZ25272		0.98	24.1	2.60	2.77	0.07	0.10	0.11	0.038	0.07	16.9	7.7	0.30	737	5.85
ZZ25273		0.69	10.0	1.18	3.14	<0.05	<0.02	0.02	0.014	0.06	17.5	3.4	0.07	56	10.40
ZZ25274		0.92	20.6	3.12	3.69	0.08	0.04	0.08	0.042	0.08	20.1	12.9	0.71	598	12.30
ZZ25275		0.50	17.2	2.58	2.67	0.06	0.02	0.04	0.030	0.08	16.4	6.7	0.11	109	14.95
ZZ25276		1.02	20.6	2.25	4.94	0.14	<0.02	0.06	0.036	0.06	21.7	16.0	0.22	133	13.95
ZZ25277		0.53	17.0	4.28	2.34	0.14	0.03	0.05	0.046	0.07	23.9	4.7	0.12	688	6.85
ZZ25278		0.66	12.7	3.23	3.83	0.13	<0.02	0.02	0.031	0.06	19.8	7.7	0.15	233	9.43
ZZ25279		0.80	23.9	4.48	1.88	0.16	0.02	0.03	0.051	0.08	35.1	2.7	0.05	281	10.40
ZZ25280		1.03	22.2	4.57	1.80	0.14	<0.02	0.02	0.056	0.09	34.3	4.8	0.07	321	10.40
ZZ25281		0.78	21.5	3.96	2.03	0.14	<0.02	0.03	0.050	0.06	28.2	9.3	0.06	211	12.10
ZZ25282		0.80	21.2	3.57	1.96	0.14	<0.02	0.03	0.039	0.09	27.2	6.8	0.07	618	13.40
ZZ25283		0.87	5.4	2.83	5.23	0.10	<0.02	0.01	0.021	0.05	17.3	14.1	0.27	305	2.47
ZZ25284		0.71	12.0	3.29	2.87	0.14	<0.02	0.01	0.036	0.08	25.0	9.7	0.14	386	8.29
ZZ25285		1.10	9.7	3.42	4.98	0.10	0.04	0.06	0.035	0.07	20.1	18.3	0.30	202	3.60
ZZ25286		0.28	8.6	1.87	1.05	0.12	<0.02	0.04	0.026	0.03	29.1	0.9	0.01	104	2.81
ZZ25287		0.33	13.6	3.20	3.36	0.11	<0.02	0.01	0.026	0.06	21.6	5.2	0.08	134	12.55
ZZ25288		1.03	17.8	4.41	2.27	0.12	<0.02	0.03	0.053	0.06	31.2	11.4	0.10	298	9.30
ZZ25289		0.95	23.9	4.55	3.07	0.16	0.07	0.10	0.060	0.11	32.1	6.5	0.16	904	5.01
ZZ25090		3.30	19.8	2.44	4.43	0.09	<0.02	0.15	0.035	0.07	10.3	4.8	0.06	222	7.81



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
ZZ25251		1.51	14.4	440	13.9	8.2	0.001	0.09	5.25	1.8	4.3	0.5	14.5	<0.01	0.09
ZZ25252		1.87	13.8	910	15.5	14.1	0.001	0.08	3.68	1.8	2.5	0.8	22.0	<0.01	0.11
ZZ25253		1.12	10.0	490	10.2	5.7	0.002	0.09	3.34	1.7	2.5	0.4	17.4	<0.01	0.06
ZZ25254		1.27	6.7	270	9.2	5.3	0.002	0.07	2.92	2.3	2.1	0.3	15.5	<0.01	0.06
ZZ25255		1.95	10.5	770	13.7	11.4	0.001	0.04	2.51	1.5	2.3	0.5	11.9	<0.01	0.08
ZZ25256		3.02	23.0	1960	14.8	14.4	0.001	0.09	9.38	1.8	7.6	0.7	29.1	<0.01	0.16
ZZ25257		1.73	19.0	860	15.5	13.7	<0.001	0.03	2.16	2.2	2.5	0.6	11.4	<0.01	0.10
ZZ25258		2.20	17.8	790	11.1	5.8	0.005	0.10	8.67	2.1	5.8	0.7	32.7	<0.01	0.12
ZZ25259		0.72	23.6	580	9.7	7.3	0.005	0.07	6.70	0.7	5.8	0.6	35.0	<0.01	0.15
ZZ25260		2.54	11.7	1900	14.6	12.2	0.001	0.08	5.59	1.6	4.3	0.8	21.6	<0.01	0.16
ZZ25261		2.97	10.2	910	15.7	12.1	0.001	0.10	6.55	1.2	5.3	0.8	28.3	<0.01	0.13
ZZ25262		1.94	20.0	970	15.5	14.1	0.001	0.02	2.62	2.0	3.4	0.7	12.9	<0.01	0.08
ZZ25263		1.07	141.5	2230	15.6	17.1	0.003	0.06	19.50	3.8	15.3	0.6	40.4	0.01	0.15
ZZ25264		0.21	20.0	900	13.3	16.7	<0.001	0.03	1.73	0.5	1.5	0.6	12.1	<0.01	0.03
ZZ25265		1.35	15.1	520	13.4	10.4	<0.001	0.02	1.76	1.9	1.1	0.6	8.7	<0.01	0.03
ZZ25266		0.23	30.9	2760	51.6	5.0	<0.001	0.01	4.60	2.0	1.3	0.4	23.8	<0.01	0.02
ZZ25267		0.80	20.0	2790	20.0	8.1	0.001	0.06	1.58	3.1	1.4	0.4	36.3	0.01	0.06
ZZ25268		0.90	24.5	3530	23.5	9.6	0.001	0.07	2.51	6.1	1.8	0.5	30.1	0.01	0.08
ZZ25269		1.19	17.6	940	15.9	9.3	0.002	0.06	1.73	2.0	1.8	0.5	16.7	0.01	0.05
ZZ25270		1.03	15.6	1720	14.5	8.6	<0.001	0.06	1.85	2.1	1.4	0.4	22.2	0.01	0.04
ZZ25271		0.70	31.9	3520	19.7	10.7	0.001	0.07	3.07	4.7	2.5	0.4	27.8	0.02	0.08
ZZ25272		0.83	29.2	1960	14.1	11.2	0.002	0.10	3.06	2.7	3.1	0.4	22.7	0.01	0.05
ZZ25273		0.33	13.1	470	9.9	11.4	<0.001	0.04	2.30	0.4	1.8	0.5	12.2	<0.01	0.04
ZZ25274		1.03	30.4	1070	17.8	13.2	0.001	0.04	3.22	2.3	3.1	0.5	22.8	0.01	0.08
ZZ25275		0.72	27.3	690	13.8	8.8	0.001	0.07	3.96	1.2	3.7	0.4	19.3	<0.01	0.08
ZZ25276		1.02	30.7	690	15.9	11.7	0.002	0.02	3.51	2.4	2.2	0.6	17.8	<0.01	0.08
ZZ25277		0.49	65.3	2410	15.6	7.1	0.001	0.03	4.67	5.2	2.4	0.4	25.7	<0.01	0.07
ZZ25278		1.14	30.1	1420	16.1	8.3	<0.001	0.02	3.35	2.3	2.3	0.5	16.1	<0.01	0.06
ZZ25279		0.36	59.6	940	11.1	8.5	<0.001	0.01	5.26	5.9	1.7	0.3	9.4	<0.01	0.06
ZZ25280		0.26	76.2	610	9.2	10.4	<0.001	0.01	5.07	5.8	1.8	0.3	6.8	<0.01	0.05
ZZ25281		0.53	55.6	950	12.3	8.5	<0.001	0.02	5.00	4.5	2.5	0.4	14.0	<0.01	0.06
ZZ25282		0.52	64.5	3150	18.9	8.7	0.001	0.03	6.29	3.4	4.0	0.4	28.5	<0.01	0.08
ZZ25283		1.40	13.4	1570	13.0	9.6	<0.001	<0.01	0.72	1.9	0.4	0.6	10.5	<0.01	0.03
ZZ25284		0.74	67.1	3430	18.1	9.0	0.001	0.03	3.94	3.5	2.3	0.4	25.2	<0.01	0.04
ZZ25285		1.17	35.9	1510	15.1	11.4	<0.001	0.01	1.87	3.2	0.6	0.7	11.2	<0.01	0.03
ZZ25286		0.16	74.8	660	17.8	3.6	<0.001	<0.01	2.91	3.5	0.8	0.2	3.1	<0.01	0.02
ZZ25287		0.82	37.8	3170	22.0	5.6	<0.001	0.03	4.41	2.5	2.6	0.5	19.4	<0.01	0.07
ZZ25288		0.41	61.7	990	12.9	9.5	<0.001	0.01	4.97	4.2	1.3	0.3	7.6	<0.01	0.04
ZZ25289		0.63	50.5	1370	10.3	10.2	0.001	0.04	2.24	8.3	2.0	0.5	18.0	<0.01	0.05
ZZ25090		0.37	16.8	1340	25.9	20.3	<0.001	0.07	1.29	1.4	2.3	0.6	26.2	<0.01	0.09



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 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ25251		0.044	0.64	2.33	93	0.09	5.63	78	2.2
ZZ25252		0.031	0.84	3.20	187	0.14	3.90	85	1.0
ZZ25253		0.049	0.44	2.20	59	0.06	5.84	61	1.7
ZZ25254		0.044	0.41	2.92	50	0.05	8.40	27	2.4
ZZ25255		0.030	0.38	1.26	99	0.15	2.69	60	1.4
ZZ25256		0.070	1.20	4.04	491	0.21	5.05	120	5.9
ZZ25257		0.024	0.49	1.48	126	0.21	3.26	96	6.0
ZZ25258		0.078	1.09	6.05	147	0.13	7.70	81	2.7
ZZ25259		0.031	1.69	5.91	170	0.13	7.73	132	<0.5
ZZ25260		0.054	0.96	3.06	223	0.21	2.87	69	1.7
ZZ25261		0.083	0.93	2.56	159	0.17	2.51	59	3.2
ZZ25262		0.026	0.42	2.29	230	0.25	6.35	135	0.7
ZZ25263		0.035	2.65	6.27	1150	0.35	26.5	683	2.5
ZZ25264		0.008	1.33	1.98	261	0.18	5.51	133	<0.5
ZZ25265		0.019	0.24	0.62	102	0.26	2.74	120	<0.5
ZZ25266		0.008	0.79	2.47	122	0.14	15.05	249	<0.5
ZZ25267		0.013	0.23	1.11	60	0.14	16.75	129	2.1
ZZ25268		0.012	0.58	1.44	147	0.17	23.0	205	2.8
ZZ25269		0.018	0.22	3.07	63	0.19	9.57	93	1.7
ZZ25270		0.016	0.18	1.09	56	0.18	8.93	116	1.9
ZZ25271		0.013	0.42	2.37	98	0.18	31.3	290	1.1
ZZ25272		0.013	0.30	2.77	113	0.18	17.50	162	2.4
ZZ25273		0.011	0.39	1.09	125	0.16	3.34	87	<0.5
ZZ25274		0.015	0.42	2.72	100	0.20	12.75	184	0.6
ZZ25275		0.014	0.52	2.00	132	0.16	6.30	174	<0.5
ZZ25276		0.013	0.48	2.25	142	0.20	13.20	314	0.5
ZZ25277		0.011	0.39	1.73	77	0.14	19.40	586	0.9
ZZ25278		0.018	0.34	1.34	99	0.22	6.83	219	<0.5
ZZ25279		0.007	0.61	2.45	108	0.08	15.75	385	0.9
ZZ25280		0.005	0.45	2.18	103	0.06	13.45	473	<0.5
ZZ25281		0.007	0.66	2.36	125	0.12	13.35	388	0.7
ZZ25282		0.011	0.68	2.15	142	0.16	16.30	545	<0.5
ZZ25283		0.019	0.14	0.59	50	0.28	3.67	139	<0.5
ZZ25284		0.015	0.53	1.49	82	0.19	14.15	652	<0.5
ZZ25285		0.018	0.27	0.98	49	0.20	4.66	446	2.1
ZZ25286		<0.005	0.70	0.80	37	0.06	11.55	586	<0.5
ZZ25287		0.015	0.44	1.67	160	0.20	7.35	364	<0.5
ZZ25288		0.005	0.40	2.27	137	0.11	11.90	527	0.5
ZZ25289		0.006	0.20	1.83	78	0.10	33.6	274	1.9
ZZ25090		<0.005	0.25	1.61	56	0.08	6.50	78	<0.5



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ25091		0.24	0.002	1.09	0.58	16.0	<0.2	<10	1260	0.48	0.19	0.03	0.22	16.40	2.9	13
ZZ25092		0.22	0.002	0.53	0.55	16.5	<0.2	<10	1780	0.48	0.16	0.06	0.31	16.90	4.2	13
ZZ25093		0.24	0.002	0.26	1.24	8.2	<0.2	<10	190	0.28	0.25	0.04	0.09	23.6	2.8	20
ZZ25094		0.26	0.001	0.23	0.55	3.1	<0.2	<10	70	0.07	0.12	0.02	0.04	8.60	0.9	7
ZZ25095		0.24	0.001	0.81	0.79	9.0	<0.2	<10	110	0.15	0.22	0.02	0.08	21.6	2.2	13
ZZ25096		0.26	0.002	1.28	0.56	7.9	<0.2	<10	170	0.44	0.22	0.01	0.11	8.14	5.7	9
ZZ25097		0.22	0.001	0.84	0.44	15.6	<0.2	<10	910	0.38	0.18	0.03	0.23	12.05	2.5	12
ZZ25098		0.28	0.002	0.60	0.45	15.1	<0.2	<10	910	0.40	0.19	0.03	0.20	12.30	2.5	13
ZZ25099		0.20	0.001	1.56	0.66	7.4	<0.2	<10	790	0.29	0.22	0.03	0.23	14.15	1.8	11
ZZ25100		0.24	0.001	1.15	0.50	9.4	<0.2	<10	560	0.25	0.21	0.02	0.15	13.80	2.1	11
ZZ25341		0.26	0.001	0.91	0.71	11.9	<0.2	<10	500	0.42	0.20	0.02	0.17	17.10	2.6	13
ZZ25342		0.20	0.005	0.83	0.47	11.9	<0.2	<10	1500	0.45	0.17	0.03	0.34	11.85	2.5	12
ZZ25343		0.28	0.003	0.88	0.86	11.9	<0.2	<10	590	0.43	0.23	0.04	0.24	20.3	3.8	15
ZZ25344		0.28	0.003	1.72	0.81	20.2	<0.2	<10	410	0.75	0.19	0.03	0.26	13.05	4.5	16
ZZ25079		0.26	0.004	1.02	0.70	17.6	<0.2	<10	220	0.40	0.26	0.02	0.15	20.5	3.0	15
ZZ25080		0.24	0.004	0.81	0.60	19.0	<0.2	<10	230	0.36	0.29	0.01	0.11	15.95	2.6	14
ZZ25081		0.28	0.003	0.32	0.40	14.9	<0.2	<10	100	0.28	0.21	0.01	0.08	16.00	2.2	9
ZZ25082		0.26	0.002	0.38	0.99	13.7	<0.2	<10	80	0.19	0.30	0.02	0.06	28.8	3.7	17
ZZ25083		0.22	0.002	0.32	0.62	4.0	<0.2	<10	50	0.08	0.20	0.01	0.03	27.1	1.0	7
ZZ25084		0.22	0.002	0.20	0.44	13.3	<0.2	<10	540	0.48	0.14	0.02	0.19	13.25	3.6	9
ZZ25085		0.26	0.002	0.43	0.96	11.6	<0.2	<10	180	0.27	0.25	0.02	0.16	22.4	3.6	15
ZZ25086		0.26	0.002	0.48	0.88	11.0	<0.2	<10	310	0.36	0.22	0.02	0.17	21.5	2.8	12
ZZ25087		0.28	0.003	0.76	0.75	12.9	<0.2	<10	750	0.62	0.19	0.03	0.31	17.45	3.2	15
ZZ25088		0.26	0.002	0.16	0.10	1.1	<0.2	<10	140	0.07	0.02	0.13	0.54	0.84	77.2	<1
ZZ25089		0.26	0.002	0.07	0.04	18.2	<0.2	<10	190	0.11	0.01	0.30	0.34	0.54	83.0	<1
ZZ25246		0.24	0.005	0.59	1.09	16.2	<0.2	<10	1810	0.57	0.27	0.06	0.31	21.2	7.9	19
ZZ25247		0.38	0.003	0.41	0.61	16.8	<0.2	<10	2660	0.55	0.23	0.02	0.29	19.35	7.4	14
ZZ25248		0.28	0.004	1.01	0.81	13.4	<0.2	<10	970	0.42	0.24	0.05	0.24	22.4	3.9	16
ZZ25249		0.22	0.003	1.04	0.72	12.0	<0.2	<10	830	0.27	0.27	0.04	0.21	21.2	3.1	14
ZZ25250		0.16	0.004	0.57	0.97	15.1	<0.2	<10	2740	0.64	0.22	0.07	0.35	23.6	8.0	17
ZZ25241		0.22	0.004	0.91	0.88	4.7	<0.2	<10	360	0.40	0.22	0.41	0.36	8.93	3.0	13
ZZ25242		0.26	0.003	0.36	0.99	10.4	<0.2	<10	740	0.56	0.18	0.29	0.50	37.9	9.4	18
ZZ25243		0.22	0.002	0.17	1.22	13.5	<0.2	<10	270	0.53	0.19	0.09	0.28	34.2	7.1	21
ZZ25244		0.26	0.002	0.12	1.31	5.9	<0.2	<10	640	0.40	0.25	0.07	0.18	28.9	4.5	17
ZZ25245		0.34	0.002	0.16	1.10	17.9	<0.2	<10	720	0.62	0.20	0.13	0.41	28.9	7.8	18
ZZ25111		0.20	0.002	0.24	1.13	7.8	<0.2	<10	1020	0.46	0.23	0.56	0.33	23.1	7.4	16
ZZ25069		0.20	0.002	0.39	0.79	66.2	<0.2	<10	1240	0.79	0.40	0.08	0.31	17.15	2.4	28
ZZ25070		0.32	0.002	0.26	0.50	16.1	<0.2	<10	320	0.37	0.20	0.02	0.19	19.15	3.7	12
ZZ25071		0.20	0.002	0.87	0.82	11.7	<0.2	<10	670	0.36	0.23	0.04	0.20	15.35	2.2	13
ZZ25072		0.22	0.002	0.70	0.55	14.1	<0.2	<10	390	0.40	0.21	0.02	0.18	15.05	2.6	10



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ25091		1.68	21.6	2.74	2.87	0.09	<0.02	0.06	0.035	0.04	8.5	3.1	0.06	62	9.07
ZZ25092		1.27	22.7	2.64	2.49	0.10	<0.02	0.04	0.031	0.03	9.3	4.5	0.07	97	9.37
ZZ25093		1.41	9.6	2.15	5.41	0.08	<0.02	0.01	0.021	0.03	12.2	9.2	0.20	93	2.35
ZZ25094		1.05	5.1	0.80	3.02	0.08	<0.02	0.03	0.009	0.03	4.5	2.0	0.05	23	1.10
ZZ25095		1.62	14.0	2.20	4.54	0.09	<0.02	0.01	0.016	0.03	11.1	5.3	0.12	93	2.51
ZZ25096		2.17	23.2	2.81	2.49	0.08	0.02	0.02	0.022	0.04	4.2	1.1	0.01	99	1.15
ZZ25097		1.32	27.2	2.90	2.72	0.10	<0.02	0.02	0.030	0.04	6.4	1.1	0.02	40	8.07
ZZ25098		1.70	25.1	2.88	2.95	0.10	<0.02	0.01	0.031	0.04	6.7	1.6	0.03	41	8.55
ZZ25099		2.64	14.8	1.84	3.21	0.09	<0.02	0.05	0.021	0.04	7.3	1.5	0.03	56	2.75
ZZ25100		1.70	18.2	1.91	3.33	0.08	<0.02	0.18	0.022	0.03	7.1	1.0	0.02	33	4.36
ZZ25341		1.62	20.0	2.31	3.55	0.10	<0.02	0.03	0.029	0.04	8.6	4.3	0.06	79	5.39
ZZ25342		1.31	22.5	2.27	2.19	0.09	<0.02	0.05	0.029	0.05	6.2	1.9	0.03	52	6.70
ZZ25343		2.20	15.4	2.38	3.61	0.09	<0.02	0.10	0.025	0.06	10.7	8.0	0.14	187	5.12
ZZ25344		2.23	27.2	3.68	2.57	0.10	<0.02	0.05	0.035	0.05	7.3	4.6	0.06	64	11.65
ZZ25079		2.27	19.3	2.48	3.68	0.10	<0.02	0.11	0.025	0.04	11.2	3.4	0.06	65	7.10
ZZ25080		1.79	16.7	2.50	3.63	0.09	<0.02	0.04	0.024	0.04	8.8	2.4	0.04	49	6.36
ZZ25081		1.26	15.9	1.94	3.61	0.09	<0.02	<0.01	0.017	0.02	8.3	1.0	0.01	24	6.44
ZZ25082		1.54	8.5	2.87	6.49	0.10	<0.02	<0.01	0.018	0.03	15.2	7.2	0.17	193	2.36
ZZ25083		0.96	2.6	0.73	5.50	0.08	<0.02	<0.01	0.007	0.02	15.8	2.6	0.06	57	0.82
ZZ25084		0.72	17.5	2.07	2.51	0.09	<0.02	0.01	0.021	0.03	7.2	2.4	0.03	39	7.21
ZZ25085		1.99	11.7	2.33	4.66	0.09	<0.02	0.03	0.022	0.04	12.3	7.1	0.13	171	3.92
ZZ25086		1.65	14.3	1.89	4.20	0.09	<0.02	0.06	0.024	0.03	13.0	5.4	0.09	71	4.04
ZZ25087		1.41	21.1	2.53	2.64	0.08	<0.02	0.12	0.034	0.04	8.9	2.7	0.04	107	7.29
ZZ25088		0.40	2.4	47.8	0.18	0.12	<0.02	0.06	0.006	0.01	0.7	0.4	0.02	1690	0.26
ZZ25089		0.15	3.4	47.5	0.09	0.13	0.02	0.06	<0.005	0.01	0.3	0.2	0.03	2370	11.30
ZZ25246		1.74	25.0	3.70	3.02	0.10	0.02	0.11	0.036	0.04	11.7	11.4	0.17	270	6.86
ZZ25247		1.55	30.2	3.55	2.95	0.10	<0.02	0.03	0.036	0.05	11.2	3.6	0.07	230	9.21
ZZ25248		2.50	22.4	2.67	3.25	0.10	<0.02	0.09	0.028	0.04	12.3	6.4	0.13	125	6.23
ZZ25249		2.82	20.6	2.03	3.53	0.08	<0.02	0.09	0.023	0.04	12.0	3.6	0.08	159	5.37
ZZ25250		1.52	28.0	3.02	2.77	0.10	0.03	0.07	0.035	0.04	13.0	11.2	0.17	216	7.36
ZZ25241		1.94	21.6	1.51	2.96	0.08	0.04	0.06	0.031	0.07	4.9	4.1	0.08	66	1.46
ZZ25242		0.77	17.1	2.42	3.13	0.10	0.02	0.06	0.023	0.04	20.0	14.1	0.30	402	2.25
ZZ25243		0.78	14.1	3.12	3.60	0.09	<0.02	0.03	0.026	0.04	18.5	16.4	0.29	203	2.43
ZZ25244		0.94	6.5	2.16	5.13	0.09	<0.02	0.02	0.020	0.04	16.0	18.0	0.21	154	1.16
ZZ25245		0.69	14.1	2.78	3.57	0.10	<0.02	0.05	0.023	0.04	15.3	15.6	0.25	213	3.06
ZZ25111		0.70	9.1	2.19	3.95	0.08	<0.02	0.07	0.023	0.04	12.7	13.0	0.24	465	1.57
ZZ25069		2.53	26.3	3.51	2.98	0.09	<0.02	0.09	0.062	0.04	8.8	3.3	0.03	71	5.59
ZZ25070		0.84	18.3	2.69	2.59	0.09	<0.02	0.04	0.023	0.03	10.5	4.6	0.09	84	7.41
ZZ25071		2.36	22.7	2.08	3.43	0.08	<0.02	0.11	0.028	0.05	8.6	2.7	0.03	32	6.98
ZZ25072		1.73	19.4	2.22	2.71	0.08	<0.02	0.07	0.024	0.04	8.9	1.5	0.02	36	8.41



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
ZZ25091		0.38	16.3	1120	16.5	7.3	0.001	0.06	1.99	1.0	2.4	0.5	20.6	<0.01	0.07
ZZ25092		0.23	18.8	1000	13.0	5.4	0.001	0.06	2.21	1.2	2.7	0.4	23.4	<0.01	0.05
ZZ25093		0.28	8.8	1100	14.1	6.7	<0.001	0.02	0.55	0.4	0.9	0.6	8.9	<0.01	0.03
ZZ25094		0.10	2.7	900	7.7	4.4	<0.001	0.03	0.25	0.1	0.3	0.3	5.6	<0.01	0.01
ZZ25095		0.34	9.4	780	15.0	8.4	<0.001	0.01	0.53	0.3	1.0	0.5	7.5	<0.01	0.03
ZZ25096		0.18	22.9	810	17.3	12.8	<0.001	0.04	0.29	1.2	1.3	0.3	5.8	<0.01	0.09
ZZ25097		0.21	16.1	1320	16.1	8.7	<0.001	0.07	1.95	0.5	2.8	0.4	20.0	<0.01	0.06
ZZ25098		0.30	15.4	1490	15.3	9.3	<0.001	0.07	2.03	0.6	3.0	0.4	19.0	<0.01	0.09
ZZ25099		0.18	8.1	1530	13.3	14.2	<0.001	0.06	0.70	0.1	0.7	0.5	9.0	<0.01	0.05
ZZ25100		0.17	10.2	1550	14.0	8.5	<0.001	0.05	0.93	0.1	1.4	0.5	10.6	<0.01	0.06
ZZ25341		0.33	11.4	1150	13.2	9.0	0.001	0.04	1.19	0.5	1.5	0.5	12.4	<0.01	0.07
ZZ25342		0.25	13.8	1330	13.0	7.4	0.001	0.09	1.67	0.5	2.7	0.4	17.1	<0.01	0.05
ZZ25343		0.31	13.0	1310	15.5	11.6	0.001	0.05	1.29	0.7	1.7	0.5	15.0	<0.01	0.05
ZZ25344		0.53	25.4	2030	16.8	12.9	0.001	0.07	2.57	2.2	3.2	0.4	22.8	<0.01	0.10
ZZ25079		0.33	15.6	940	28.1	12.1	0.001	0.04	1.54	0.9	3.1	0.5	18.3	<0.01	0.11
ZZ25080		0.38	13.2	840	21.5	8.8	0.001	0.03	1.60	0.9	3.1	0.5	15.3	<0.01	0.14
ZZ25081		0.26	11.9	780	16.9	5.5	0.001	0.02	1.51	0.4	2.2	0.5	11.6	<0.01	0.08
ZZ25082		1.48	9.5	540	17.9	7.8	<0.001	0.01	0.76	1.3	0.8	0.8	8.3	<0.01	0.05
ZZ25083		0.19	2.6	430	7.8	4.6	<0.001	<0.01	0.16	0.1	<0.2	0.7	5.4	<0.01	0.02
ZZ25084		0.22	18.2	720	12.5	3.7	<0.001	0.03	1.70	0.8	2.1	0.3	17.0	<0.01	0.07
ZZ25085		0.49	11.7	690	16.4	9.4	<0.001	0.02	0.90	0.6	1.0	0.6	12.0	<0.01	0.04
ZZ25086		0.37	12.3	940	14.5	7.6	0.001	0.03	0.92	0.3	1.2	0.6	13.1	<0.01	0.02
ZZ25087		0.40	15.1	1350	16.9	7.6	<0.001	0.06	1.46	0.9	2.1	0.4	15.6	<0.01	0.07
ZZ25088		0.11	60.4	260	0.8	0.7	0.001	0.11	0.11	0.4	0.3	<0.2	2.5	<0.01	0.01
ZZ25089		0.08	57.6	510	0.3	0.4	0.002	0.16	0.38	0.4	1.1	<0.2	5.2	<0.01	0.01
ZZ25246		0.92	28.1	1400	17.6	10.0	0.001	0.08	1.94	2.4	2.5	0.4	29.9	<0.01	0.06
ZZ25247		0.60	34.7	1030	16.8	9.5	0.001	0.11	2.21	1.7	2.3	0.6	36.8	<0.01	0.07
ZZ25248		0.57	17.9	1230	15.4	10.6	<0.001	0.04	1.32	1.0	3.0	0.5	23.9	<0.01	0.07
ZZ25249		0.26	12.6	1140	17.0	9.2	0.001	0.03	0.75	0.3	1.5	0.5	20.1	<0.01	0.04
ZZ25250		0.63	29.1	1120	14.9	6.5	0.001	0.08	2.03	2.7	2.5	0.5	35.1	<0.01	0.08
ZZ25241		0.34	15.1	890	18.3	9.8	<0.001	0.04	0.37	1.9	1.2	0.4	22.6	<0.01	0.03
ZZ25242		0.62	28.2	880	12.9	6.6	<0.001	0.02	1.07	2.5	0.9	0.3	14.4	<0.01	0.02
ZZ25243		0.95	26.6	770	15.2	6.8	0.001	0.01	1.14	2.0	0.8	0.4	11.4	<0.01	0.04
ZZ25244		1.39	9.6	440	12.2	10.1	<0.001	0.01	0.32	1.6	0.3	0.6	8.8	<0.01	0.01
ZZ25245		0.82	22.1	570	13.0	7.7	<0.001	0.02	1.11	1.8	0.8	0.4	12.1	<0.01	0.02
ZZ25111		0.69	13.8	1100	12.4	9.7	<0.001	0.04	0.53	0.9	0.3	0.4	19.6	<0.01	0.01
ZZ25069		0.41	12.9	1870	55.4	7.0	<0.001	0.05	2.03	3.2	2.1	0.5	33.2	<0.01	0.09
ZZ25070		0.55	17.5	730	14.5	5.3	<0.001	0.03	2.02	1.3	1.9	0.3	13.4	<0.01	0.05
ZZ25071		0.37	14.3	1350	26.1	9.8	<0.001	0.05	1.23	0.6	1.4	0.5	20.3	<0.01	0.05
ZZ25072		0.35	16.4	930	17.0	7.4	0.001	0.04	1.69	0.5	1.8	0.5	17.3	<0.01	0.06



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ25091		0.009	0.15	1.82	47	0.07	4.66	83	<0.5
ZZ25092		0.011	0.12	2.09	44	0.06	5.98	92	<0.5
ZZ25093		0.009	0.12	1.02	42	0.16	2.63	39	<0.5
ZZ25094		0.006	0.07	0.51	17	0.08	1.15	12	<0.5
ZZ25095		0.009	0.09	0.61	35	0.15	1.91	36	<0.5
ZZ25096		<0.005	0.05	0.51	21	<0.05	2.94	69	0.5
ZZ25097		0.006	0.13	1.28	53	0.10	3.17	90	<0.5
ZZ25098		0.007	0.15	1.41	51	0.09	3.52	91	<0.5
ZZ25099		<0.005	0.08	0.80	33	0.12	2.34	39	<0.5
ZZ25100		<0.005	0.09	0.89	39	0.13	1.91	50	<0.5
ZZ25341		0.007	0.10	1.28	43	0.12	3.02	54	<0.5
ZZ25342		0.005	0.12	1.54	36	0.07	4.41	67	<0.5
ZZ25343		0.008	0.19	1.18	38	0.13	3.92	60	<0.5
ZZ25344		0.008	0.22	1.75	55	0.08	4.86	119	<0.5
ZZ25079		0.006	0.19	1.39	58	0.10	4.88	68	<0.5
ZZ25080		0.005	0.15	1.04	57	0.10	3.35	60	<0.5
ZZ25081		0.006	0.11	0.81	58	0.11	2.57	59	<0.5
ZZ25082		0.024	0.09	0.59	60	0.23	2.46	43	<0.5
ZZ25083		0.008	0.07	0.35	25	0.10	1.36	12	<0.5
ZZ25084		0.007	0.09	1.33	45	0.06	4.53	80	<0.5
ZZ25085		0.009	0.14	0.88	44	0.14	2.76	56	<0.5
ZZ25086		0.005	0.13	1.04	37	0.11	3.21	49	<0.5
ZZ25087		<0.005	0.13	2.15	46	0.07	7.39	72	<0.5
ZZ25088		<0.005	0.15	0.18	6	<0.05	1.31	781	<0.5
ZZ25089		<0.005	0.23	0.30	6	<0.05	0.96	491	0.7
ZZ25246		0.014	0.17	1.94	47	0.14	5.71	132	0.6
ZZ25247		0.017	0.18	1.62	53	0.09	6.19	148	<0.5
ZZ25248		0.011	0.16	1.78	48	0.12	5.20	81	<0.5
ZZ25249		<0.005	0.12	1.34	43	0.12	3.81	58	<0.5
ZZ25250		0.012	0.18	2.14	49	0.10	8.15	122	0.8
ZZ25241		<0.005	0.08	1.64	23	0.08	4.59	45	0.9
ZZ25242		0.011	0.09	1.02	33	0.14	11.20	101	0.7
ZZ25243		0.011	0.09	0.70	43	0.54	6.06	114	<0.5
ZZ25244		0.014	0.09	0.48	43	0.20	3.68	79	<0.5
ZZ25245		0.010	0.09	0.78	42	0.17	5.79	92	<0.5
ZZ25111		0.009	0.09	1.13	35	0.17	5.55	80	<0.5
ZZ25069		<0.005	0.12	3.60	92	0.07	12.50	59	0.5
ZZ25070		0.014	0.11	1.40	44	0.11	3.75	86	<0.5
ZZ25071		<0.005	0.19	1.71	50	0.08	4.37	62	<0.5
ZZ25072		0.005	0.15	1.53	55	0.08	4.07	80	<0.5



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ25073		0.22	0.003	1.20	0.63	12.9	<0.2	<10	450	0.48	0.19	0.04	0.25	13.30	3.0	13
ZZ25074		0.24	0.003	0.45	0.73	16.0	<0.2	<10	200	0.33	0.25	0.02	0.15	17.45	3.3	16
ZZ25075		0.20	0.002	0.32	0.13	111.0	<0.2	<10	80	0.11	0.02	0.23	0.13	1.86	15.4	<1
ZZ25076		0.16	0.006	1.45	0.45	31.5	<0.2	<10	360	0.26	0.09	0.48	0.28	4.69	68.6	9
ZZ25077		0.20	0.002	0.38	0.17	49.8	<0.2	<10	110	0.15	0.04	0.09	0.07	2.72	15.1	1
ZZ25078		0.26	0.003	0.82	0.43	18.3	<0.2	<10	160	0.33	0.23	0.01	0.12	13.20	2.1	11
ZZ67087		0.28	0.002	0.15	0.79	70.9	<0.2	<10	330	0.53	0.17	1.17	2.68	32.2	10.6	16
ZZ67088		0.16	0.003	0.16	0.87	54.6	<0.2	<10	720	0.80	0.10	1.64	4.34	44.8	11.4	10
ZZ67089		0.28	0.002	0.49	0.79	36.3	<0.2	<10	480	0.94	0.20	0.64	3.29	46.1	10.5	19
ZZ67090		0.28	<0.001	0.11	1.22	21.6	<0.2	<10	200	0.71	0.23	0.58	1.61	35.2	8.2	22
ZZ67091		0.32	0.002	0.22	1.03	19.6	<0.2	<10	190	0.80	0.21	4.04	3.94	36.6	7.4	17
ZZ67092		0.18	0.002	0.09	0.71	4.3	<0.2	<10	130	0.29	0.06	2.67	4.62	10.15	2.1	5
ZZ67093		0.30	0.002	0.17	1.43	29.0	<0.2	<10	210	0.79	0.25	1.16	4.76	46.7	7.6	25
ZZ67094		0.26	0.002	0.19	0.98	26.7	<0.2	<10	210	0.72	0.20	2.22	8.59	36.8	8.2	19
ZZ67095		0.30	0.001	0.14	1.29	13.9	<0.2	<10	250	0.59	0.23	0.80	6.29	31.1	7.6	22
ZZ67096		0.28	0.001	0.11	1.41	23.8	<0.2	<10	260	0.91	0.22	0.91	3.75	44.6	11.1	27
ZZ67097		0.22	0.001	0.10	0.81	12.4	<0.2	<10	200	0.63	0.14	1.42	4.97	29.8	6.1	14
ZZ67098		0.28	<0.001	0.26	1.26	20.3	<0.2	<10	260	0.94	0.25	0.57	2.92	47.0	8.7	27
ZZ67099		0.34	<0.001	0.09	1.02	22.6	<0.2	<10	270	0.74	0.24	0.19	2.46	44.5	9.9	21
ZZ67100		0.24	0.001	0.14	1.31	15.0	<0.2	<10	180	0.79	0.26	0.77	2.09	36.2	7.7	23
ZZ67051		0.34	<0.001	0.10	1.23	13.0	<0.2	<10	230	0.56	0.21	0.19	1.68	37.1	5.5	20
ZZ67052		0.20	0.002	0.29	0.95	33.6	<0.2	<10	220	0.90	0.17	2.30	10.75	33.1	8.0	15
ZZ67053		0.26	0.001	0.16	1.18	32.8	<0.2	<10	220	1.23	0.20	2.50	9.19	60.5	9.2	22
ZZ67054		0.16	0.001	0.06	0.79	9.2	<0.2	<10	190	0.47	0.18	2.35	5.99	21.5	6.5	14
ZZ67055		0.16	0.001	0.13	0.48	10.5	<0.2	<10	140	0.49	0.13	4.69	2.19	24.2	5.6	10
ZZ67056		0.24	0.001	0.24	1.03	12.8	<0.2	<10	300	0.66	0.26	1.83	3.07	38.4	9.5	18
ZZ67057		0.24	0.001	0.15	1.05	15.3	<0.2	<10	310	0.56	0.29	2.66	4.84	31.6	8.3	17
ZZ67058		0.18	0.001	0.11	0.59	5.4	<0.2	<10	210	0.35	0.10	6.89	5.04	18.40	3.4	9
ZZ67059		0.24	0.001	0.07	1.41	11.2	<0.2	<10	230	0.60	0.27	1.12	3.96	25.4	8.1	21
ZZ67060		0.32	0.001	0.13	1.21	21.6	<0.2	<10	240	0.80	0.27	2.90	3.43	42.4	9.6	20
ZZ67061		0.24	0.001	0.11	1.07	25.9	<0.2	<10	280	0.66	0.27	1.22	1.19	37.7	7.7	20
ZZ67062		0.32	0.002	0.23	1.01	31.1	<0.2	<10	420	0.73	0.25	1.97	1.60	46.8	10.5	19
ZZ67063		0.20	0.002	0.18	0.96	51.0	<0.2	<10	400	0.87	0.21	2.20	2.89	39.1	10.3	18
ZZ67064		0.18	0.001	0.14	0.76	42.5	<0.2	<10	250	0.96	0.22	1.94	4.04	56.3	13.7	20
ZZ67065		0.20	0.001	0.28	0.82	34.3	<0.2	<10	440	0.78	0.19	1.61	3.04	43.0	11.6	21
ZZ67066		0.20	0.001	0.27	0.75	21.7	<0.2	<10	530	0.78	0.20	2.05	3.46	35.6	10.9	18
ZZ67067		0.24	0.002	0.21	0.73	21.5	<0.2	<10	360	0.64	0.22	1.51	1.85	38.9	11.0	17
ZZ67068		0.26	0.002	0.38	0.64	27.7	<0.2	<10	540	0.73	0.16	2.60	4.11	31.9	8.8	15
ZZ67069		0.18	0.001	0.20	0.73	90.1	<0.2	<10	560	0.52	0.19	2.67	3.21	32.8	12.1	15
ZZ67070		0.28	0.001	0.06	0.90	24.3	<0.2	<10	310	0.49	0.30	0.36	1.83	39.0	8.8	18



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41 Cs ppm 0.05	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01
ZZ25073		1.61	18.9	2.24	2.59	0.08	<0.02	0.09	0.023	0.05	7.9	3.0	0.05	50	8.04	0.01
ZZ25074		1.41	17.7	2.86	3.94	0.10	<0.02	0.06	0.027	0.04	9.5	4.1	0.08	74	6.38	<0.01
ZZ25075		0.81	4.3	47.5	0.24	0.13	0.02	0.09	0.005	0.01	0.9	0.7	0.02	127	2.59	0.01
ZZ25076		2.30	14.1	38.0	0.93	0.12	0.04	0.47	0.015	0.05	2.6	2.3	0.05	1460	2.61	0.02
ZZ25077		0.96	6.0	47.0	0.42	0.13	0.04	0.10	0.008	0.02	1.5	1.4	0.02	137	2.29	0.01
ZZ25078		2.35	20.0	2.12	2.83	0.08	<0.02	0.06	0.023	0.03	7.4	1.3	0.01	21	8.53	<0.01
ZZ67087		0.77	9.2	2.88	2.50	0.09	0.04	0.06	0.034	0.06	15.8	6.5	0.13	767	2.71	0.01
ZZ67088		4.71	14.7	2.89	2.01	0.15	0.06	0.13	0.039	0.06	30.0	3.1	0.08	219	1.60	0.01
ZZ67089		0.62	27.8	3.13	2.36	0.10	0.04	0.09	0.040	0.08	25.8	6.5	0.15	436	8.89	0.01
ZZ67090		0.73	11.7	3.23	3.39	0.11	0.03	0.03	0.033	0.05	17.5	11.7	0.33	459	4.87	0.01
ZZ67091		0.58	11.4	2.56	2.79	0.11	0.06	0.07	0.038	0.05	18.9	10.3	2.20	474	1.49	0.01
ZZ67092		0.51	8.2	0.79	1.53	0.08	0.07	0.06	0.010	0.03	7.4	2.9	0.35	254	0.39	0.03
ZZ67093		0.76	10.9	3.34	3.51	0.11	0.05	0.06	0.036	0.06	23.1	11.9	0.69	396	1.61	0.01
ZZ67094		0.65	13.5	3.00	2.69	0.10	0.04	0.07	0.033	0.06	20.0	8.2	1.07	540	2.30	0.01
ZZ67095		0.80	11.4	2.67	4.14	0.09	0.03	0.05	0.030	0.05	16.4	13.1	0.39	433	1.60	0.01
ZZ67096		0.73	10.8	4.12	3.47	0.10	0.02	0.03	0.045	0.08	19.9	11.5	0.59	861	3.90	0.01
ZZ67097		0.62	14.2	2.55	2.25	0.09	0.05	0.08	0.029	0.05	14.6	5.8	0.17	707	2.37	0.01
ZZ67098		0.85	13.7	3.15	3.75	0.09	0.04	0.05	0.032	0.07	19.9	11.4	0.30	412	4.86	0.01
ZZ67099		0.70	14.4	3.10	3.18	0.08	0.03	0.03	0.036	0.07	21.0	9.7	0.20	382	5.27	0.01
ZZ67100		0.77	13.7	2.72	4.33	0.06	0.04	0.04	0.033	0.06	19.7	12.8	0.37	370	2.53	0.01
ZZ67051		0.81	9.2	2.38	4.27	0.06	0.02	0.03	0.029	0.05	17.6	12.1	0.20	133	4.40	0.01
ZZ67052		0.93	22.7	2.43	2.36	0.07	0.08	0.11	0.030	0.06	18.1	6.5	0.27	642	3.53	0.01
ZZ67053		0.86	15.2	3.28	2.27	0.09	0.07	0.06	0.043	0.06	27.7	7.1	1.21	332	5.32	0.01
ZZ67054		0.82	9.7	1.77	2.42	<0.05	0.07	0.09	0.024	0.06	9.5	7.6	0.68	508	1.60	0.01
ZZ67055		0.62	9.9	1.47	1.41	<0.05	0.05	0.08	0.017	0.05	11.6	4.9	1.48	244	1.68	0.01
ZZ67056		0.70	16.1	2.46	3.86	0.06	0.05	0.07	0.029	0.04	17.8	11.6	0.64	954	1.87	0.01
ZZ67057		0.84	12.5	2.39	3.73	0.06	0.05	0.07	0.027	0.04	14.2	13.0	0.90	573	1.78	0.01
ZZ67058		0.63	8.9	1.20	2.03	<0.05	0.05	0.07	0.015	0.03	9.6	5.7	2.66	483	0.56	0.02
ZZ67059		0.93	6.6	2.39	5.34	0.05	0.04	0.04	0.028	0.04	11.8	13.9	0.39	514	0.84	0.01
ZZ67060		1.21	14.4	2.80	4.16	0.06	0.04	0.06	0.033	0.05	17.8	13.1	1.39	714	1.72	0.01
ZZ67061		1.00	11.3	3.47	3.74	0.08	0.04	0.03	0.042	0.06	17.1	14.2	0.54	415	3.21	0.01
ZZ67062		0.78	17.2	3.13	3.24	0.08	0.07	0.06	0.033	0.06	21.4	12.9	0.94	465	3.74	0.01
ZZ67063		1.25	19.0	2.99	3.08	0.08	0.08	0.09	0.032	0.06	20.4	8.9	0.25	593	1.63	0.01
ZZ67064		1.07	14.9	4.41	2.49	0.10	0.08	0.06	0.045	0.08	27.9	7.2	0.24	726	2.27	0.01
ZZ67065		0.90	18.1	2.63	2.70	0.09	0.06	0.09	0.039	0.08	21.2	5.9	0.14	553	3.26	0.01
ZZ67066		0.69	18.4	2.08	2.39	0.06	0.07	0.09	0.029	0.06	16.9	5.8	0.21	639	2.61	0.01
ZZ67067		0.85	14.7	2.30	2.49	0.06	0.06	0.07	0.035	0.07	18.7	6.9	0.16	535	3.27	0.01
ZZ67068		0.51	28.4	2.43	1.82	0.07	0.08	0.10	0.028	0.06	16.2	4.2	0.22	589	7.19	0.01
ZZ67069		2.42	18.4	2.66	2.42	0.07	0.08	0.08	0.037	0.06	17.8	5.2	0.17	621	2.65	0.02
ZZ67070		1.35	12.4	2.87	3.55	0.07	0.03	0.03	0.040	0.06	18.9	9.2	0.20	458	4.98	0.01



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
ZZ25073		0.25	17.5	1350	18.3	6.9	0.001	0.05	1.55	0.6	1.9	0.4	20.4	<0.01	0.06
ZZ25074		0.68	16.0	980	17.5	8.5	0.001	0.04	1.64	0.5	2.4	0.5	14.9	<0.01	0.07
ZZ25075		0.12	28.0	2050	2.1	1.6	0.001	0.14	0.33	1.0	0.6	<0.2	4.5	<0.01	0.01
ZZ25076		0.22	63.8	660	12.0	5.5	0.001	0.10	0.91	3.2	2.5	0.2	13.9	<0.01	0.04
ZZ25077		0.16	24.8	640	4.1	2.2	<0.001	0.12	0.49	1.2	0.8	0.2	4.6	<0.01	0.03
ZZ25078		0.29	14.0	860	24.4	7.8	0.001	0.04	1.58	0.9	2.2	0.5	16.3	<0.01	0.11
ZZ67087		0.74	23.8	1190	10.7	6.5	<0.001	0.06	1.18	3.0	1.1	0.3	19.3	<0.01	0.04
ZZ67088		0.70	51.0	1870	11.1	6.9	<0.001	0.13	1.80	3.7	1.6	0.3	19.0	<0.01	0.01
ZZ67089		0.83	56.1	750	21.3	7.4	0.001	0.03	3.61	4.8	1.8	0.5	14.8	<0.01	0.05
ZZ67090		1.03	26.4	860	25.5	7.7	<0.001	0.03	1.95	2.9	1.1	0.5	12.0	<0.01	0.04
ZZ67091		0.86	30.5	930	33.4	5.3	<0.001	0.04	1.30	4.1	0.7	0.4	20.1	<0.01	0.02
ZZ67092		0.61	11.8	900	8.3	3.2	<0.001	0.08	0.47	0.5	0.5	0.2	19.7	0.01	0.01
ZZ67093		0.96	42.3	1060	47.7	5.5	<0.001	0.03	2.19	4.5	0.7	0.5	12.0	<0.01	0.02
ZZ67094		0.85	49.8	1170	40.4	6.1	<0.001	0.04	1.99	3.8	0.8	0.4	15.6	<0.01	0.02
ZZ67095		1.16	28.8	590	18.0	7.8	<0.001	0.03	0.80	2.9	0.6	0.5	11.5	<0.01	0.02
ZZ67096		1.15	31.1	1100	20.7	8.7	<0.001	0.02	1.58	4.1	1.1	0.5	12.5	<0.01	0.03
ZZ67097		0.78	29.1	1020	12.7	5.6	<0.001	0.08	1.37	2.0	0.9	0.3	14.7	0.01	0.03
ZZ67098		0.95	39.2	950	24.7	8.1	<0.001	0.03	2.47	3.9	1.5	0.5	13.6	<0.01	0.04
ZZ67099		0.90	35.4	550	22.2	8.9	<0.001	0.02	2.25	4.0	1.1	0.5	9.1	<0.01	0.05
ZZ67100		1.06	27.4	510	17.5	7.7	<0.001	0.03	1.11	3.1	0.9	0.6	13.8	<0.01	0.04
ZZ67051		0.93	24.7	420	17.8	8.0	<0.001	0.01	1.32	2.5	0.7	0.6	7.9	<0.01	0.03
ZZ67052		0.76	60.8	1150	18.7	7.4	<0.001	0.07	2.19	3.3	1.8	0.3	27.2	0.01	0.05
ZZ67053		0.81	61.5	860	32.5	7.7	0.001	0.04	2.59	4.6	1.5	0.4	15.7	0.01	0.05
ZZ67054		0.74	18.4	1040	15.9	9.0	<0.001	0.09	0.88	2.1	1.2	0.3	21.5	0.01	0.03
ZZ67055		0.60	17.7	740	15.6	4.4	<0.001	0.07	1.18	2.1	1.2	0.2	32.7	<0.01	0.03
ZZ67056		0.89	23.7	740	19.7	5.9	<0.001	0.05	1.05	2.9	1.2	0.5	15.4	0.01	0.04
ZZ67057		1.05	25.2	790	17.1	7.0	<0.001	0.05	1.07	2.3	1.2	0.5	20.1	0.01	0.04
ZZ67058		0.63	16.3	640	10.8	3.2	<0.001	0.08	0.67	1.3	1.3	0.2	27.7	0.01	0.03
ZZ67059		1.33	16.2	520	23.9	6.7	<0.001	0.03	0.61	2.5	0.7	1.1	11.7	<0.01	0.02
ZZ67060		1.08	33.5	1010	34.6	7.5	<0.001	0.03	1.42	3.5	0.9	0.6	16.6	0.01	0.04
ZZ67061		1.00	25.1	700	31.9	10.1	<0.001	0.02	1.51	3.3	1.0	0.5	10.5	<0.01	0.04
ZZ67062		0.76	37.1	1020	20.1	5.3	<0.001	0.03	2.00	3.9	1.2	0.4	16.7	0.01	0.04
ZZ67063		0.94	37.4	1070	14.8	7.5	<0.001	0.07	1.63	3.8	1.5	0.4	16.9	0.01	0.05
ZZ67064		0.90	43.6	1100	19.5	7.2	<0.001	0.05	1.25	5.7	1.2	0.4	17.3	0.01	0.05
ZZ67065		0.77	35.5	1000	10.6	8.4	0.001	0.07	1.78	4.6	2.0	0.4	20.5	0.01	0.06
ZZ67066		0.63	31.9	1050	10.0	7.2	<0.001	0.10	1.67	3.4	2.0	0.3	27.1	0.01	0.04
ZZ67067		0.65	28.8	1090	10.1	8.1	<0.001	0.06	1.50	3.7	1.6	0.4	23.2	<0.01	0.04
ZZ67068		0.68	54.5	1280	11.4	5.2	0.001	0.08	3.99	3.1	3.0	0.3	25.1	0.01	0.06
ZZ67069		0.71	48.2	1200	7.2	7.7	<0.001	0.10	1.76	3.3	2.0	0.3	25.0	0.01	0.06
ZZ67070		0.70	30.9	1050	13.1	8.4	0.001	0.03	1.51	2.8	1.1	0.4	13.0	<0.01	0.04



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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 LIMITED
 1016- 510 W HASTINGS ST
 VANCOUVER BC V6B 1L8

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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ25073		<0.005	0.16	1.52	45	0.08	4.85	79	<0.5
ZZ25074		0.008	0.15	1.08	54	0.13	3.67	70	<0.5
ZZ25075		<0.005	0.07	0.48	8	<0.05	2.50	372	1.0
ZZ25076		<0.005	0.16	1.14	15	<0.05	4.99	323	1.8
ZZ25077		<0.005	0.06	0.75	11	<0.05	1.87	459	1.7
ZZ25078		<0.005	0.16	0.96	61	0.07	3.78	69	<0.5
ZZ67087		0.009	0.17	0.81	49	0.14	9.42	140	1.4
ZZ67088		0.007	0.47	2.02	31	0.09	29.3	265	1.9
ZZ67089		0.011	0.45	1.24	128	0.14	18.00	340	1.3
ZZ67090		0.015	0.25	0.93	63	0.21	7.71	183	0.9
ZZ67091		0.009	0.17	0.49	37	0.14	9.85	260	1.6
ZZ67092		0.012	0.07	0.39	12	0.05	5.09	136	2.2
ZZ67093		0.012	0.23	0.69	51	0.17	13.95	487	1.2
ZZ67094		0.013	0.21	0.63	51	0.13	12.05	521	1.1
ZZ67095		0.017	0.14	0.56	47	0.19	7.95	275	0.7
ZZ67096		0.015	0.24	0.85	85	0.16	10.75	286	0.9
ZZ67097		0.011	0.15	1.01	47	0.12	11.65	217	1.4
ZZ67098		0.021	0.30	1.09	78	0.19	10.85	283	1.2
ZZ67099		0.014	0.28	0.92	88	0.26	8.87	296	1.0
ZZ67100		0.016	0.17	0.86	70	0.16	11.00	177	1.0
ZZ67051		0.012	0.22	0.72	89	0.15	5.74	277	0.6
ZZ67052		0.011	0.25	0.89	68	0.12	14.50	512	2.7
ZZ67053		0.008	0.29	1.09	81	0.19	16.35	677	1.8
ZZ67054		0.011	0.13	0.75	33	0.09	5.93	224	2.2
ZZ67055		0.010	0.10	0.48	28	0.12	7.25	133	1.9
ZZ67056		0.014	0.12	1.04	44	0.19	9.64	142	1.2
ZZ67057		0.013	0.15	1.10	47	0.21	7.81	181	1.4
ZZ67058		0.009	0.11	0.82	21	0.11	6.34	141	1.5
ZZ67059		0.016	0.14	0.49	49	0.34	3.81	328	1.1
ZZ67060		0.016	0.22	0.63	45	0.20	8.68	309	1.1
ZZ67061		0.012	0.25	0.72	63	0.16	7.06	227	1.1
ZZ67062		0.015	0.30	0.96	59	0.18	12.45	181	1.9
ZZ67063		0.010	0.31	1.04	50	0.16	14.05	195	2.3
ZZ67064		0.010	0.22	0.51	48	0.11	16.95	253	2.3
ZZ67065		0.008	0.28	1.55	77	0.16	17.75	166	2.1
ZZ67066		0.008	0.20	1.46	60	0.09	15.80	137	2.2
ZZ67067		0.010	0.21	1.13	61	0.08	13.25	177	1.6
ZZ67068		0.011	0.32	3.13	96	0.11	15.70	347	2.5
ZZ67069		0.011	1.79	1.79	45	0.12	14.25	237	2.3
ZZ67070		0.016	0.22	1.24	66	0.13	7.91	212	0.6



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ67071		0.24	<0.001	0.03	0.68	4.2	<0.2	<10	130	0.15	0.25	0.07	0.28	34.0	2.4	11
ZZ67076		0.24	<0.001	0.19	0.76	13.5	<0.2	<10	870	0.59	0.20	1.52	6.08	45.2	7.4	19
ZZ67077		0.24	<0.001	0.03	0.81	6.2	<0.2	<10	280	0.26	0.20	0.13	2.10	35.2	2.6	14
ZZ67078		0.32	<0.001	0.17	1.26	10.9	<0.2	<10	550	0.52	0.28	0.36	1.53	34.1	6.2	21
ZZ67079		0.26	0.001	0.06	1.35	8.0	<0.2	<10	240	0.65	0.25	0.27	0.78	47.4	7.2	22
ZZ67080		0.28	<0.001	0.18	0.81	17.5	<0.2	<10	340	0.38	0.22	0.13	1.12	32.6	3.9	17
ZZ67081		0.20	<0.001	0.22	0.69	25.1	<0.2	<10	500	0.61	0.20	0.29	1.24	36.6	6.9	19
ZZ67082		0.20	0.001	0.61	0.82	25.4	<0.2	<10	590	0.80	0.19	2.20	2.11	36.7	7.0	23
ZZ67083		0.28	0.001	0.65	0.76	22.8	<0.2	<10	530	0.68	0.19	1.05	2.50	38.1	6.5	20
ZZ67084		0.26	<0.001	0.27	0.74	22.8	<0.2	<10	620	0.60	0.20	0.91	1.99	33.6	8.1	20
ZZ67085		0.26	<0.001	0.79	1.12	15.7	<0.2	<10	870	0.67	0.25	1.29	3.50	31.9	9.1	20
ZZ67086		0.30	<0.001	0.53	1.12	22.1	<0.2	<10	650	0.97	0.27	0.79	4.12	52.6	12.7	21
ZZ25301		0.32	0.001	0.54	1.34	14.8	<0.2	<10	190	0.37	0.28	0.04	0.21	26.4	5.6	23
ZZ25302		0.26	<0.001	2.05	1.46	14.8	<0.2	<10	110	0.29	0.32	0.06	0.21	32.6	4.4	21
ZZ25303		0.30	0.001	0.32	1.13	20.1	<0.2	<10	410	0.55	0.21	0.02	0.34	29.4	5.1	19
ZZ25304		0.24	<0.001	0.44	1.19	17.5	<0.2	<10	190	0.34	0.29	0.03	0.23	31.1	4.3	19
ZZ25305		0.22	<0.001	0.14	1.31	11.4	<0.2	<10	150	0.36	0.27	0.07	0.34	32.5	5.8	19
ZZ25306		0.24	<0.001	0.13	1.07	11.6	<0.2	<10	120	0.19	0.30	0.05	0.22	29.8	4.1	19
ZZ25307		0.32	0.001	0.55	1.30	11.4	<0.2	<10	660	0.41	0.23	0.05	0.31	32.9	3.4	18
ZZ25308		0.32	0.001	0.56	0.99	18.2	<0.2	<10	500	0.53	0.21	0.03	0.38	26.5	5.0	19
ZZ25309		0.26	0.001	0.77	0.77	14.0	<0.2	<10	100	0.53	0.20	0.02	0.38	8.59	7.5	19
ZZ25310		0.18	<0.001	0.44	0.71	7.1	<0.2	<10	330	0.43	0.22	0.07	0.30	18.65	3.2	11
ZZ25311		0.24	<0.001	0.10	1.26	12.0	<0.2	<10	120	0.26	0.30	0.05	0.30	29.9	5.0	19
ZZ25312		0.22	<0.001	0.81	1.12	10.0	<0.2	<10	310	0.57	0.21	0.37	0.94	20.0	6.0	19
ZZ25313		0.20	<0.001	0.60	1.00	10.0	<0.2	<10	630	0.79	0.20	1.13	0.36	24.3	6.1	20
ZZ25314		0.16	0.001	0.90	0.70	7.0	<0.2	<10	520	0.65	0.11	5.15	0.91	15.05	4.3	18
ZZ25315		0.22	<0.001	0.77	1.18	6.5	<0.2	<10	1280	0.53	0.23	1.43	0.83	21.7	7.8	16
ZZ25316		0.20	0.001	0.62	0.96	6.7	<0.2	<10	880	0.52	0.16	2.09	1.31	20.6	5.9	15
ZZ25317		0.24	0.001	0.58	0.97	6.4	<0.2	<10	590	0.50	0.18	1.19	0.74	23.7	5.9	17
ZZ25318		0.28	0.001	0.72	1.27	13.3	<0.2	<10	740	0.78	0.23	0.99	0.88	30.5	8.4	20
ZZ25319		0.26	<0.001	0.94	0.62	10.6	<0.2	<10	120	0.29	0.18	0.22	0.41	5.84	3.7	34
ZZ25320		0.14	<0.001	0.71	0.79	19.2	<0.2	<10	60	0.66	0.16	1.97	1.56	12.20	11.9	14
ZZ25321		0.30	0.001	0.48	1.33	9.7	<0.2	<10	600	0.83	0.26	0.69	1.53	31.3	10.2	21
ZZ25322		0.38	0.001	0.86	0.75	11.4	<0.2	<10	1560	0.50	0.19	3.51	0.78	30.1	5.4	15
ZZ25323		0.28	0.001	0.97	0.91	13.1	<0.2	<10	2050	0.67	0.19	2.91	1.07	33.2	7.8	18
ZZ25324		0.34	0.001	1.00	0.96	13.4	<0.2	<10	2500	0.60	0.22	0.78	0.95	35.7	7.5	19
ZZ25325		0.28	0.001	0.81	0.58	17.2	<0.2	<10	1600	0.51	0.15	4.02	0.95	29.9	4.7	13
ZZ25326		0.20	0.001	1.12	0.92	11.7	<0.2	<10	2240	0.70	0.22	1.17	1.00	32.9	8.2	18
ZZ25327		0.36	0.002	0.91	0.75	17.9	<0.2	<10	2030	0.56	0.19	2.31	0.77	30.7	7.1	16
ZZ25328		0.26	0.001	1.02	0.76	13.1	<0.2	<10	2210	0.61	0.17	1.43	0.99	29.1	6.6	14



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ67071		1.26	4.0	0.98	4.31	<0.05	<0.02	0.01	0.012	0.05	17.0	6.5	0.15	82	1.39
ZZ67076		0.91	15.3	2.49	2.64	0.08	0.04	0.05	0.034	0.07	19.9	6.2	0.39	887	2.91
ZZ67077		0.56	6.2	1.10	3.97	<0.05	<0.02	0.02	0.015	0.04	17.8	6.3	0.10	126	2.16
ZZ67078		0.92	11.2	2.34	5.03	0.07	0.02	0.02	0.027	0.04	16.6	14.8	0.31	400	2.95
ZZ67079		1.08	7.1	2.28	4.72	0.07	0.03	0.03	0.030	0.04	20.6	14.3	0.24	395	1.85
ZZ67080		0.74	13.5	2.20	3.72	0.07	<0.02	0.02	0.022	0.06	17.2	7.8	0.12	139	9.23
ZZ67081		0.72	22.4	2.63	2.38	0.07	<0.02	0.02	0.031	0.08	19.1	7.1	0.14	224	14.50
ZZ67082		0.88	34.9	2.54	2.44	0.09	0.06	0.11	0.037	0.10	20.6	7.4	0.68	445	11.25
ZZ67083		0.68	35.1	2.35	2.53	0.08	0.04	0.10	0.031	0.09	20.6	7.0	0.23	238	14.05
ZZ67084		0.60	17.9	2.45	2.47	0.07	0.04	0.04	0.033	0.07	16.7	6.9	0.18	315	10.70
ZZ67085		0.93	23.0	2.28	4.12	0.07	0.04	0.10	0.029	0.06	17.4	9.5	0.22	1060	5.67
ZZ67086		0.86	25.6	3.06	3.43	0.10	0.05	0.13	0.039	0.08	26.9	11.2	0.28	902	5.52
ZZ25301		1.46	15.7	3.34	4.54	0.07	0.03	0.05	0.033	0.04	13.2	13.5	0.23	178	3.71
ZZ25302		1.46	10.1	2.89	5.08	0.10	0.02	0.08	0.029	0.05	16.7	18.1	0.31	116	2.25
ZZ25303		1.12	25.2	3.18	3.14	0.07	0.03	0.05	0.037	0.05	15.8	11.0	0.13	86	11.70
ZZ25304		1.22	13.7	3.22	5.07	0.09	<0.02	0.03	0.028	0.05	15.9	9.1	0.16	133	6.60
ZZ25305		1.13	11.7	3.08	4.12	0.06	<0.02	0.04	0.029	0.05	17.1	13.4	0.27	207	3.94
ZZ25306		0.99	7.8	3.17	4.67	0.06	<0.02	0.05	0.021	0.04	14.4	10.1	0.24	130	3.04
ZZ25307		1.01	15.3	2.17	5.01	0.06	<0.02	0.05	0.032	0.05	17.3	9.3	0.17	82	5.34
ZZ25308		0.92	26.9	2.93	3.21	0.07	<0.02	0.04	0.037	0.04	14.3	9.5	0.12	70	9.89
ZZ25309		1.41	22.0	3.15	2.45	0.06	<0.02	0.04	0.036	0.03	4.8	9.0	0.10	66	4.57
ZZ25310		1.53	13.1	1.33	3.54	0.06	<0.02	0.04	0.024	0.03	9.4	3.1	0.04	36	2.13
ZZ25311		1.05	8.7	3.13	4.62	0.06	<0.02	0.03	0.026	0.04	15.7	14.4	0.30	211	3.02
ZZ25312		1.01	12.6	2.87	2.72	0.06	0.04	0.04	0.042	0.03	8.9	10.5	0.09	136	4.11
ZZ25313		0.92	16.6	2.23	2.94	0.09	0.04	0.06	0.038	0.03	16.2	10.6	0.19	161	3.58
ZZ25314		0.46	13.8	1.97	1.59	0.06	0.05	0.09	0.026	0.03	7.6	7.7	0.18	206	2.81
ZZ25315		0.81	14.9	2.14	3.66	<0.05	0.03	0.09	0.027	0.03	11.0	7.1	0.14	787	2.46
ZZ25316		0.71	18.9	1.66	2.79	0.05	0.06	0.12	0.024	0.05	11.0	9.2	0.26	358	2.18
ZZ25317		0.71	22.0	1.69	2.78	0.06	0.07	0.09	0.032	0.04	11.8	11.4	0.27	143	2.25
ZZ25318		0.87	31.4	2.72	3.51	0.07	0.10	0.13	0.035	0.06	16.6	13.8	0.30	419	3.37
ZZ25319		1.44	25.3	2.35	2.25	0.06	<0.02	0.06	0.039	0.04	3.5	11.1	0.18	63	10.90
ZZ25320		0.82	33.9	3.08	1.99	0.07	0.10	0.12	0.029	0.04	6.4	11.1	0.16	166	5.81
ZZ25321		1.33	21.6	2.58	3.73	0.08	0.08	0.10	0.040	0.05	15.3	21.3	0.28	208	1.78
ZZ25322		0.79	19.9	2.04	2.28	0.06	0.04	0.08	0.035	0.06	16.5	8.0	2.00	182	4.63
ZZ25323		0.87	26.1	2.04	2.67	0.07	0.05	0.11	0.032	0.07	18.2	8.9	1.57	187	5.80
ZZ25324		0.75	25.0	2.55	2.79	0.08	0.06	0.11	0.035	0.07	19.6	9.8	0.35	211	5.60
ZZ25325		0.99	20.7	2.27	1.85	0.06	0.05	0.06	0.033	0.07	15.1	5.4	2.23	136	9.62
ZZ25326		0.92	30.5	2.07	2.83	0.07	0.04	0.11	0.034	0.05	17.4	10.9	0.34	174	5.71
ZZ25327		1.18	34.3	2.52	2.47	0.08	0.04	0.11	0.034	0.07	17.2	7.8	1.27	213	11.65
ZZ25328		0.76	25.8	2.23	2.15	0.06	0.05	0.10	0.030	0.05	16.5	8.1	0.54	279	4.28



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
ZZ67071		0.48	7.2	440	7.0	8.3	<0.001	0.01	0.34	0.8	0.3	0.5	6.7	<0.01	0.01
ZZ67076		0.44	26.6	2750	15.9	9.1	0.001	0.05	1.28	3.4	1.4	0.4	20.9	0.01	0.03
ZZ67077		0.53	8.8	620	10.4	4.3	<0.001	0.01	0.57	1.3	0.5	0.5	8.4	<0.01	0.02
ZZ67078		0.89	16.6	780	13.7	8.9	<0.001	0.02	0.75	2.1	0.7	0.6	12.4	<0.01	0.03
ZZ67079		0.90	13.4	1100	13.8	9.0	<0.001	0.01	0.40	2.5	0.6	0.5	9.3	<0.01	0.03
ZZ67080		0.49	25.3	990	12.0	8.9	0.001	0.03	2.68	1.1	1.8	0.5	10.9	<0.01	0.04
ZZ67081		0.62	45.3	840	12.0	8.4	0.001	0.04	5.00	2.2	3.0	0.4	14.8	<0.01	0.07
ZZ67082		0.91	48.2	1460	12.3	8.5	0.001	0.05	4.71	4.2	3.0	0.4	27.8	0.01	0.07
ZZ67083		0.94	49.9	1290	12.8	7.7	0.002	0.05	5.46	3.8	3.7	0.5	25.5	0.01	0.07
ZZ67084		0.86	39.0	950	12.1	7.3	0.002	0.05	3.96	3.1	2.8	0.4	21.0	<0.01	0.06
ZZ67085		0.68	31.2	1400	12.9	8.6	0.001	0.05	1.92	2.3	2.2	0.5	16.2	0.01	0.04
ZZ67086		0.78	38.5	980	14.0	10.5	<0.001	0.04	2.24	4.3	1.7	0.5	14.6	0.01	0.06
ZZ25301		1.29	20.3	750	18.7	9.6	<0.001	0.03	1.37	2.2	2.0	0.5	9.8	<0.01	0.06
ZZ25302		1.18	13.9	750	15.2	9.5	0.001	0.02	0.80	2.1	0.9	0.7	8.7	<0.01	0.03
ZZ25303		0.92	29.0	690	16.3	9.7	0.001	0.04	3.90	2.4	2.9	0.6	23.3	<0.01	0.08
ZZ25304		1.42	18.2	790	18.3	11.5	0.002	0.03	1.99	1.7	1.7	0.7	14.6	<0.01	0.06
ZZ25305		1.06	18.8	900	20.2	9.4	0.001	0.03	1.46	1.3	1.1	0.5	11.5	<0.01	0.03
ZZ25306		1.28	13.0	670	16.5	9.2	0.002	0.02	0.99	1.2	0.9	0.6	9.0	<0.01	0.02
ZZ25307		0.58	16.3	690	15.8	8.7	0.001	0.03	1.51	0.8	1.3	0.7	14.6	<0.01	0.03
ZZ25308		0.58	31.8	750	16.4	8.0	0.002	0.04	3.30	2.3	3.4	0.6	20.6	<0.01	0.05
ZZ25309		0.25	41.2	520	19.5	8.7	0.003	0.03	1.15	3.3	1.5	0.3	10.4	<0.01	0.05
ZZ25310		0.31	11.5	580	15.1	8.8	0.002	0.02	0.59	1.3	0.5	0.6	8.5	<0.01	0.03
ZZ25311		0.66	13.5	730	16.0	11.0	0.002	0.02	0.88	0.6	1.1	0.6	8.7	<0.01	0.05
ZZ25312		0.62	25.0	1170	15.7	6.9	0.001	0.04	1.00	1.6	1.2	0.4	16.1	<0.01	0.05
ZZ25313		0.52	32.1	820	13.5	6.8	0.002	0.04	1.05	3.1	3.2	0.5	28.4	<0.01	0.05
ZZ25314		0.24	26.7	1230	9.2	3.8	0.002	0.06	1.00	2.9	1.6	0.3	92.9	<0.01	0.02
ZZ25315		0.48	15.4	1370	16.8	4.9	0.001	0.07	0.83	1.4	1.6	0.5	25.8	<0.01	0.02
ZZ25316		0.65	20.8	1280	11.4	8.6	0.005	0.12	1.37	1.7	3.3	0.4	37.0	<0.01	0.04
ZZ25317		0.57	21.5	940	12.7	7.2	0.006	0.08	1.08	2.2	2.5	0.4	24.6	<0.01	0.02
ZZ25318		0.61	32.6	1510	16.2	9.8	0.009	0.09	1.39	2.5	4.1	0.5	25.6	<0.01	0.06
ZZ25319		0.07	37.2	1640	13.8	6.2	0.007	0.05	0.94	2.1	4.0	0.4	12.5	<0.01	0.04
ZZ25320		0.42	59.5	700	10.8	5.4	0.031	2.92	1.34	3.6	13.6	0.3	32.7	<0.01	0.03
ZZ25321		0.53	31.6	1040	18.7	11.4	0.008	0.08	0.85	4.2	3.6	0.5	23.6	<0.01	0.04
ZZ25322		0.56	23.7	1050	14.8	6.1	0.002	0.05	2.37	3.7	1.4	0.5	33.2	<0.01	0.05
ZZ25323		0.75	31.5	1160	19.4	6.2	0.003	0.08	3.20	3.7	2.1	0.5	39.1	<0.01	0.05
ZZ25324		0.72	28.4	1370	18.9	6.0	0.003	0.08	3.02	3.8	2.2	0.6	37.1	<0.01	0.06
ZZ25325		0.80	24.1	1270	14.7	5.6	0.004	0.08	4.18	3.1	3.0	0.4	39.3	<0.01	0.04
ZZ25326		0.76	32.0	1490	19.1	7.1	0.007	0.10	3.41	3.4	2.5	0.6	47.6	<0.01	0.06
ZZ25327		0.74	34.1	1190	16.4	6.7	0.004	0.09	4.47	3.7	4.0	0.5	44.4	<0.01	0.06
ZZ25328		0.54	26.3	1500	17.0	6.4	0.006	0.09	2.74	2.7	3.0	0.5	35.5	<0.01	0.04



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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ67071		0.014	0.15	0.48	31	0.12	2.50	41	<0.5
ZZ67076		0.013	0.19	1.21	58	0.11	20.0	167	0.7
ZZ67077		0.011	0.16	0.64	64	0.09	4.53	82	<0.5
ZZ67078		0.017	0.18	1.00	70	0.17	7.18	141	<0.5
ZZ67079		0.014	0.15	0.74	43	0.18	9.52	100	0.5
ZZ67080		0.015	0.39	1.07	121	0.15	4.39	166	<0.5
ZZ67081		0.023	0.58	1.96	173	0.12	8.65	250	<0.5
ZZ67082		0.021	0.50	3.16	151	0.14	21.4	243	1.6
ZZ67083		0.025	0.55	3.12	174	0.15	17.05	276	1.3
ZZ67084		0.019	0.45	2.02	139	0.13	9.78	255	1.2
ZZ67085		0.011	0.25	4.03	89	0.14	13.35	187	0.9
ZZ67086		0.017	0.27	1.97	82	0.14	20.2	224	1.0
ZZ25301		0.013	0.15	0.89	48	0.19	3.48	81	1.0
ZZ25302		0.016	0.12	0.77	41	0.27	3.32	61	0.6
ZZ25303		0.024	0.26	2.11	76	0.13	4.74	131	1.3
ZZ25304		0.020	0.18	1.05	71	0.19	3.33	87	<0.5
ZZ25305		0.016	0.14	0.91	50	0.22	3.64	88	<0.5
ZZ25306		0.019	0.13	0.65	53	0.22	2.68	73	<0.5
ZZ25307		0.007	0.19	1.10	78	0.21	4.39	72	<0.5
ZZ25308		0.009	0.24	1.53	76	0.13	5.95	110	<0.5
ZZ25309		<0.005	0.10	0.83	27	0.06	5.48	85	0.7
ZZ25310		0.005	0.10	0.72	28	0.11	4.40	33	<0.5
ZZ25311		0.011	0.13	0.66	45	0.23	2.65	77	<0.5
ZZ25312		0.006	0.10	0.93	41	0.11	9.20	101	1.0
ZZ25313		0.006	0.09	1.37	36	0.10	22.0	74	1.2
ZZ25314		<0.005	0.09	1.32	29	0.05	18.75	97	1.8
ZZ25315		0.009	0.11	2.57	62	0.13	8.29	89	0.8
ZZ25316		0.007	0.15	2.51	35	0.08	10.45	112	2.0
ZZ25317		0.007	0.11	1.97	36	0.14	10.25	88	2.0
ZZ25318		0.008	0.16	3.75	49	0.10	16.95	130	2.9
ZZ25319		<0.005	0.08	1.62	17	<0.05	8.65	181	0.5
ZZ25320		<0.005	0.09	11.70	25	0.05	12.55	133	4.2
ZZ25321		<0.005	0.15	5.85	45	0.10	14.45	149	2.3
ZZ25322		0.016	0.18	1.38	45	0.08	11.70	120	1.6
ZZ25323		0.015	0.22	2.00	59	0.14	12.50	156	1.9
ZZ25324		0.015	0.21	2.74	60	0.13	12.05	151	1.9
ZZ25325		0.031	0.26	1.99	52	0.11	10.10	134	2.8
ZZ25326		0.010	0.19	2.96	59	0.27	13.25	143	1.8
ZZ25327		0.026	0.34	3.11	63	0.11	12.35	148	2.0
ZZ25328		0.013	0.17	2.19	47	0.10	13.10	132	1.4



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- TL43 Au ppm 0.001	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	ME- MS41 B ppm 10	ME- MS41 Ba ppm 10	ME- MS41 Be ppm 0.05	ME- MS41 Bi ppm 0.01	ME- MS41 Ca % 0.01	ME- MS41 Cd ppm 0.01	ME- MS41 Ce ppm 0.02	ME- MS41 Co ppm 0.1	ME- MS41 Cr ppm 1
ZZ25329		0.30	0.002	1.31	0.87	15.9	<0.2	<10	1400	0.52	0.21	0.75	0.65	27.7	5.1	17
ZZ25330		0.38	0.001	0.91	0.95	14.1	<0.2	<10	1680	0.66	0.23	1.20	0.87	34.1	8.0	19
ZZ25290		0.24	<0.001	0.21	1.02	20.6	<0.2	<10	340	0.41	0.28	0.42	2.31	40.4	10.7	20



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ25329		0.88	33.2	2.18	2.86	0.07	0.07	0.16	0.033	0.05	14.8	8.2	0.19	128	6.38
ZZ25330		0.71	32.6	2.43	3.00	0.08	0.06	0.12	0.032	0.06	18.9	13.0	0.67	157	6.79
ZZ25290		0.97	10.3	3.16	4.56	0.08	<0.02	0.01	0.037	0.06	19.8	12.2	0.24	618	3.63
															<0.01



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm 0.05	ppm 0.2	ppm 10	ppm 0.2	ppm 0.1	ppm 0.001	% 0.01	ppm 0.05	ppm 0.1	ppm 0.2	ppm 0.2	ppm 0.2	ppm 0.01	ppm 0.01	ppm 0.2
ZZ25329		0.66	23.5	1160	17.2	7.2	0.005	0.05	3.10	3.1	2.6	0.5	30.0	<0.01	0.06	2.6
ZZ25330		0.76	31.5	930	17.7	5.1	0.005	0.06	3.22	3.9	3.9	0.5	30.5	<0.01	0.07	4.8
ZZ25290		0.92	21.4	560	11.6	11.0	0.001	0.02	1.23	2.6	0.5	0.6	11.7	<0.01	0.03	1.3



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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ25329		0.010	0.17	2.91	60	0.11	10.10	90	2.0
ZZ25330		0.015	0.19	2.79	58	0.24	12.00	139	2.5
ZZ25290		0.019	0.16	0.73	60	0.28	5.77	145	<0.5



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Method	CERTIFICATE COMMENTS
ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).



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P.O. No.:

This report is for 152 Soil samples submitted to our lab in Whitehorse, YT, Canada on 14- SEP- 2011.

The following have access to data associated with this certificate:

SARAH EATON

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- TL43	Trace Level Au - 25g AR	ICP- MS
ME- MS41	51 anal. aqua regia ICPMS	

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ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- TL43 Au ppm 0.001	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	ME- MS41 B ppm 10	ME- MS41 Ba ppm 10	ME- MS41 Be ppm 0.05	ME- MS41 Bi ppm 0.01	ME- MS41 Ca % 0.01	ME- MS41 Cd ppm 0.01	ME- MS41 Ce ppm 0.02	ME- MS41 Co ppm 0.1	ME- MS41 Cr ppm 1
ZZ25331		0.36	0.002	0.65	0.93	13.9	<0.2	<10	1930	0.71	0.21	0.49	0.54	31.7	6.5	20
ZZ25332		0.22	0.002	0.51	0.76	11.8	<0.2	<10	2250	0.50	0.18	0.18	0.38	26.3	5.7	16
ZZ25333		0.22	0.003	0.58	0.84	10.3	<0.2	<10	1400	0.51	0.20	0.09	0.18	22.6	2.9	19
ZZ25334		0.36	0.002	0.61	0.79	14.2	<0.2	<10	1980	0.69	0.19	0.32	0.42	26.4	6.0	18
ZZ25335		0.28	0.003	0.87	0.82	17.8	<0.2	<10	1660	0.67	0.19	1.07	0.97	27.7	4.3	16
ZZ25336		0.36	0.003	0.94	1.09	16.9	<0.2	<10	1700	0.76	0.23	0.77	0.80	33.9	8.2	20
ZZ25337	Not Recvd															
ZZ25338		0.28	0.003	1.02	0.89	17.7	<0.2	<10	1460	0.58	0.19	0.94	0.72	25.7	4.8	17
ZZ25339		0.24	0.003	1.11	0.82	17.7	<0.2	<10	2270	0.62	0.21	0.75	0.74	28.3	5.1	17
ZZ25340		0.12	0.001	1.22	1.01	16.8	<0.2	<10	2040	0.63	0.21	0.68	0.57	27.4	7.1	17
ZZ67431		0.24	0.004	2.64	0.79	17.4	<0.2	<10	1940	0.40	0.28	0.48	0.22	19.95	3.5	16
ZZ67432		0.18	0.003	2.68	0.83	7.8	<0.2	<10	1760	0.44	0.23	0.80	0.17	18.35	3.0	12
ZZ67433		0.20	0.008	6.69	1.29	7.8	<0.2	<10	2120	0.61	0.24	0.58	0.50	25.1	12.2	12
ZZ67434		0.22	0.001	2.50	0.90	9.5	<0.2	<10	1260	0.51	0.24	0.42	0.52	21.7	7.2	14
ZZ67425		0.12	<0.001	0.92	1.08	21.3	<0.2	<10	1870	0.64	0.23	1.30	0.68	27.9	10.0	17
ZZ67426		0.20	0.001	1.23	0.99	16.9	<0.2	<10	1990	0.76	0.20	0.73	0.88	28.2	7.3	17
ZZ67427		0.22	0.001	1.13	0.92	16.7	<0.2	<10	1980	0.59	0.20	0.64	0.86	25.6	11.5	15
ZZ67428		0.24	0.002	1.10	0.95	13.7	<0.2	<10	1920	0.66	0.23	0.71	0.73	27.9	11.5	17
ZZ67429		0.34	0.002	2.13	0.91	20.1	<0.2	<10	1800	0.78	0.22	0.94	1.44	23.6	11.7	17
ZZ67430		0.38	0.003	2.30	0.82	18.8	<0.2	<10	1770	0.43	0.31	0.33	0.38	18.60	5.2	18
ZZ67101		0.28	<0.001	0.59	0.98	23.4	<0.2	<10	290	0.75	0.18	0.03	2.07	29.8	4.7	20
ZZ67102		0.34	<0.001	0.49	0.93	9.4	<0.2	<10	310	0.39	0.21	0.05	0.89	35.5	2.2	14
ZZ67103		0.32	<0.001	1.03	1.50	18.9	<0.2	<10	270	0.75	0.24	0.03	1.13	33.2	5.1	23
ZZ67104		0.30	0.002	0.81	1.08	28.4	<0.2	<10	180	1.14	0.21	0.03	1.50	34.7	5.4	23
ZZ67105		0.26	<0.001	2.76	1.31	20.2	<0.2	<10	210	0.35	0.28	0.03	0.45	30.5	2.5	23
ZZ67106		0.24	<0.001	1.61	1.00	27.6	<0.2	<10	570	0.80	0.12	0.03	0.30	35.6	1.1	54
ZZ67107		0.28	0.001	1.39	1.76	57.8	<0.2	<10	1000	0.78	0.35	0.07	0.58	59.9	3.1	40
ZZ67108		0.30	<0.001	1.16	1.14	30.0	<0.2	<10	490	0.45	0.23	0.05	0.34	32.9	2.4	26
ZZ67109		0.24	<0.001	4.57	0.70	10.4	<0.2	<10	1420	0.30	0.18	0.03	0.27	26.8	0.9	13
ZZ67110		0.26	<0.001	0.48	0.56	6.5	<0.2	<10	200	0.14	0.19	0.02	0.07	31.2	0.8	9
ZZ67111		0.38	<0.001	0.98	1.38	17.8	<0.2	<10	270	0.37	0.33	0.10	0.25	39.4	4.3	23
ZZ67112		0.36	<0.001	1.28	1.17	18.6	<0.2	<10	380	0.58	0.22	0.04	0.52	32.3	3.6	17
ZZ67113		0.28	0.001	0.12	0.17	7.8	<0.2	<10	160	0.08	0.16	0.01	0.01	11.35	0.2	4
ZZ67114		0.28	<0.001	0.61	0.60	5.8	<0.2	<10	1110	0.14	0.19	0.02	0.08	23.3	1.0	6
ZZ67115		0.26	0.001	1.97	0.24	9.6	<0.2	<10	290	0.11	0.19	0.03	0.06	16.20	0.6	4
ZZ67116		0.28	<0.001	0.93	0.48	8.0	<0.2	<10	2380	0.26	0.14	0.09	0.28	17.80	1.2	6
ZZ67117		0.32	0.001	1.16	0.58	11.6	<0.2	<10	2390	0.34	0.16	0.13	0.20	20.1	2.0	10
ZZ67118		0.24	0.003	1.24	0.71	11.7	<0.2	<10	2940	0.42	0.16	0.09	0.29	17.35	3.7	10
ZZ67119		0.30	0.001	0.55	0.79	13.1	<0.2	<10	1900	0.45	0.22	0.03	0.27	16.95	3.3	12
ZZ67120		0.28	0.001	1.00	0.55	12.7	<0.2	<10	1400	0.41	0.23	0.03	0.28	11.20	2.6	11



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ25331		0.75	33.5	2.46	2.85	0.07	0.07	0.12	0.032	0.05	15.7	12.1	0.25	139	5.65
ZZ25332		0.76	26.1	2.26	2.61	0.05	0.03	0.10	0.028	0.05	13.4	7.5	0.12	234	8.98
ZZ25333		0.97	25.5	2.12	2.79	0.05	0.02	0.11	0.027	0.03	12.9	9.4	0.12	45	5.07
ZZ25334		0.72	29.4	2.73	2.55	0.07	0.06	0.08	0.030	0.04	15.0	8.5	0.16	142	7.58
ZZ25335		0.91	27.6	2.72	2.32	0.07	0.08	0.14	0.032	0.05	14.4	8.5	0.24	102	4.14
ZZ25336		0.92	27.6	2.70	3.28	0.08	0.09	0.16	0.035	0.06	16.8	11.5	0.25	363	6.19
ZZ25337															
ZZ25338		0.92	27.2	2.37	2.83	0.07	0.09	0.17	0.031	0.05	14.2	7.2	0.20	196	4.32
ZZ25339		0.83	28.6	2.13	2.67	0.11	0.07	0.18	0.035	0.05	15.6	6.8	0.14	191	7.49
ZZ25340		0.90	19.7	2.29	3.10	0.11	0.09	0.16	0.033	0.06	15.0	8.0	0.15	229	9.93
ZZ67431		2.05	18.3	2.01	2.91	0.10	0.04	0.43	0.037	0.05	10.8	5.7	0.12	225	7.12
ZZ67432		1.83	21.8	1.58	2.66	0.08	0.05	0.34	0.026	0.04	9.6	7.6	0.14	114	2.37
ZZ67433		2.53	26.6	2.04	3.49	0.12	0.07	0.56	0.035	0.07	11.4	8.1	0.11	991	2.56
ZZ67434		2.64	30.0	1.72	2.93	0.09	0.04	0.29	0.033	0.06	11.3	8.9	0.13	465	4.72
ZZ67425		0.76	23.5	2.85	3.36	0.11	0.09	0.17	0.037	0.06	15.0	8.0	0.25	785	10.25
ZZ67426		0.94	28.5	2.51	3.00	0.12	0.10	0.19	0.036	0.06	15.3	7.9	0.16	395	6.91
ZZ67427		1.00	21.0	2.85	2.94	0.11	0.06	0.21	0.034	0.06	13.9	7.3	0.15	634	7.78
ZZ67428		0.90	22.9	2.73	3.05	0.11	0.07	0.19	0.036	0.06	15.5	10.6	0.21	342	6.80
ZZ67429		1.75	32.0	3.37	2.67	0.13	0.07	0.29	0.040	0.06	12.6	8.3	0.35	462	8.08
ZZ67430		2.27	23.3	1.97	3.15	0.09	0.04	0.36	0.035	0.05	10.0	6.4	0.12	315	6.16
ZZ67101		1.21	30.8	2.94	3.25	0.12	0.05	0.06	0.031	0.07	18.0	10.2	0.13	86	25.8
ZZ67102		0.87	13.9	1.52	4.37	0.09	0.02	0.04	0.015	0.05	19.4	6.6	0.13	49	8.17
ZZ67103		1.41	19.3	2.38	4.53	0.11	0.06	0.06	0.029	0.07	18.6	14.9	0.26	129	15.80
ZZ67104		1.36	37.4	2.55	3.94	0.13	0.06	0.06	0.025	0.08	21.8	10.9	0.21	71	40.8
ZZ67105		1.27	17.6	2.25	5.53	0.11	0.04	0.11	0.025	0.07	18.1	11.0	0.16	89	13.25
ZZ67106		3.45	112.5	0.95	4.40	0.23	0.08	0.19	0.020	0.17	44.4	13.9	0.34	8	20.8
ZZ67107		3.59	92.3	2.80	6.88	0.22	0.03	0.49	0.061	0.13	41.4	13.3	0.18	133	98.7
ZZ67108		1.01	27.8	2.50	4.97	0.14	0.04	0.07	0.042	0.08	21.1	9.9	0.12	52	48.3
ZZ67109		1.19	52.5	1.09	3.49	0.10	<0.02	0.17	0.027	0.06	16.8	2.2	0.04	20	24.1
ZZ67110		0.85	6.0	0.80	3.95	0.08	<0.02	0.02	0.012	0.04	17.8	2.0	0.05	27	13.00
ZZ67111		1.43	12.0	2.81	5.61	0.12	0.02	0.08	0.031	0.07	21.7	14.7	0.28	167	10.70
ZZ67112		1.16	26.2	2.57	3.76	0.09	0.05	0.05	0.033	0.05	18.8	10.6	0.13	109	20.8
ZZ67113		1.15	4.7	0.48	1.14	<0.05	0.07	0.04	0.017	0.06	6.6	0.6	0.01	8	8.10
ZZ67114		0.96	8.6	1.05	3.49	0.05	<0.02	0.02	0.012	0.04	12.6	2.2	0.05	31	5.51
ZZ67115		0.81	9.1	0.84	2.19	<0.05	<0.02	0.01	0.017	0.05	9.4	0.6	0.02	15	8.65
ZZ67116		0.73	19.0	1.21	1.90	0.05	<0.02	0.05	0.023	0.06	10.2	1.9	0.04	29	6.74
ZZ67117		1.04	21.1	1.74	2.21	0.07	<0.02	0.09	0.029	0.06	12.1	3.8	0.05	57	9.62
ZZ67118		0.95	28.1	2.31	2.26	0.07	0.02	0.06	0.029	0.04	9.5	3.9	0.06	82	6.81
ZZ67119		1.65	22.3	2.49	3.20	0.06	0.02	0.05	0.033	0.05	9.4	5.0	0.11	85	7.16
ZZ67120		2.08	28.4	2.40	2.52	0.06	0.02	0.08	0.037	0.05	7.0	2.8	0.04	62	8.70



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
ZZ25331		0.79	29.6	940	15.5	6.0	0.002	0.06	2.65	3.6	2.2	0.4	25.7	<0.01	0.06
ZZ25332		0.62	22.8	900	12.3	6.7	0.001	0.07	2.78	2.2	2.4	0.4	27.7	<0.01	0.06
ZZ25333		0.54	17.0	720	13.8	6.8	<0.001	0.04	1.45	2.3	2.1	0.4	18.8	<0.01	0.06
ZZ25334		0.66	27.9	940	13.6	5.5	0.001	0.06	2.85	3.0	3.1	0.4	23.5	<0.01	0.07
ZZ25335		0.70	22.3	1440	16.3	7.4	0.009	0.12	2.84	2.7	4.9	0.4	33.6	0.01	0.07
ZZ25336		0.77	30.2	1220	18.0	8.4	0.007	0.07	2.89	3.5	3.0	0.5	30.4	0.01	0.07
ZZ25337															
ZZ25338		0.65	19.5	1210	15.5	8.6	0.017	0.11	2.99	2.4	5.6	0.5	27.1	<0.01	0.08
ZZ25339		0.74	21.0	1080	16.1	6.1	0.008	0.09	4.13	3.1	5.5	0.6	30.5	<0.01	0.08
ZZ25340		0.66	17.3	1180	15.6	7.1	0.007	0.08	3.41	2.7	5.7	0.6	30.0	<0.01	0.08
ZZ67431		0.35	11.1	770	22.3	7.7	0.005	0.05	1.74	3.3	4.3	0.6	22.7	<0.01	0.10
ZZ67432		0.54	14.1	920	17.1	7.9	0.005	0.09	0.99	2.3	3.4	0.4	21.0	<0.01	0.06
ZZ67433		0.54	22.0	820	24.8	12.1	0.002	0.05	0.94	4.3	4.5	0.4	22.6	0.01	0.08
ZZ67434		0.40	18.4	1280	22.6	10.3	0.004	0.05	1.18	2.6	3.1	0.5	29.4	<0.01	0.05
ZZ67425		0.71	20.4	1360	18.8	6.1	0.006	0.10	3.31	3.0	4.6	0.6	33.3	0.01	0.08
ZZ67426		0.62	24.8	1400	16.4	7.1	0.009	0.09	3.12	2.5	6.2	0.5	29.6	0.01	0.07
ZZ67427		0.70	17.2	1360	16.3	7.9	0.004	0.07	2.57	2.9	4.2	0.5	28.2	0.01	0.07
ZZ67428		0.64	31.6	1080	17.4	7.4	0.003	0.06	2.77	3.4	2.8	0.6	29.8	<0.01	0.07
ZZ67429		0.35	37.3	1180	18.7	8.4	0.008	0.07	2.61	4.2	4.9	0.5	29.5	0.01	0.08
ZZ67430		0.34	12.1	950	26.8	8.4	0.004	0.06	1.55	2.6	4.2	0.5	21.3	<0.01	0.11
ZZ67101		0.99	60.2	1080	15.8	10.8	0.001	0.03	8.28	2.5	5.7	0.6	12.5	<0.01	0.07
ZZ67102		0.92	20.2	450	11.2	7.7	<0.001	0.01	2.53	1.6	1.9	0.7	8.4	<0.01	0.03
ZZ67103		1.11	33.5	640	14.0	12.4	0.001	0.03	4.51	2.7	2.6	0.7	11.1	<0.01	0.05
ZZ67104		0.89	64.3	830	12.7	11.6	0.001	0.04	9.88	2.8	6.0	0.6	15.5	0.01	0.07
ZZ67105		1.59	13.6	1330	14.4	11.4	0.001	0.04	4.01	1.9	4.8	0.8	11.9	<0.01	0.06
ZZ67106		1.03	83.2	570	12.1	14.3	0.008	0.09	16.70	3.3	25.6	0.5	19.7	0.01	0.20
ZZ67107		0.71	33.7	1820	24.5	14.5	0.009	0.17	15.90	1.6	17.5	1.6	50.7	0.01	0.34
ZZ67108		2.14	17.9	1110	13.7	12.3	0.001	0.08	10.05	2.0	9.8	0.8	50.0	<0.01	0.17
ZZ67109		0.39	7.1	810	13.3	10.1	0.002	0.08	3.97	0.4	7.2	0.8	19.5	<0.01	0.08
ZZ67110		0.80	3.2	510	11.6	6.4	<0.001	0.03	2.40	0.8	2.3	0.7	14.2	<0.01	0.04
ZZ67111		1.40	13.1	1750	19.3	13.7	<0.001	0.03	2.62	2.3	2.8	0.8	16.7	<0.01	0.06
ZZ67112		1.53	25.6	1100	15.8	13.1	0.001	0.03	4.53	2.6	4.7	0.5	16.8	<0.01	0.06
ZZ67113		0.78	2.8	130	15.6	6.5	0.002	0.05	0.98	1.6	1.2	0.4	5.8	<0.01	0.04
ZZ67114		0.55	5.9	700	12.8	10.4	<0.001	0.04	0.85	0.6	1.4	0.5	13.4	<0.01	0.01
ZZ67115		0.76	5.1	330	12.0	8.5	0.001	0.03	1.72	0.9	1.7	0.5	14.1	<0.01	0.03
ZZ67116		0.23	12.5	750	11.3	7.9	0.001	0.06	1.31	0.5	1.8	0.4	20.1	<0.01	0.03
ZZ67117		0.28	15.9	1330	13.4	8.7	0.001	0.10	2.38	0.9	3.6	0.5	38.1	<0.01	0.04
ZZ67118		0.29	25.0	1340	12.6	6.8	0.001	0.08	1.73	0.9	2.8	0.5	35.9	<0.01	0.04
ZZ67119		0.33	19.4	1230	17.8	12.1	<0.001	0.08	1.24	0.7	2.0	0.5	22.8	<0.01	0.04
ZZ67120		0.25	16.2	1130	18.5	12.1	0.001	0.10	1.32	1.1	3.0	0.4	18.4	<0.01	0.05



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 2103 Dollarton Hwy
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 VANCOUVER BC V6B 1L8

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CERTIFICATE OF ANALYSIS WH11188172

Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ25331		0.017	0.15	2.80	60	0.13	12.25	126	2.3
ZZ25332		0.016	0.18	2.70	56	0.10	8.48	102	0.7
ZZ25333		0.011	0.12	2.13	43	0.10	6.90	71	<0.5
ZZ25334		0.016	0.16	3.05	54	0.13	11.45	110	1.9
ZZ25335		0.010	0.17	3.34	55	0.12	12.00	111	2.2
ZZ25336		0.010	0.20	3.59	70	0.17	12.65	132	2.4
ZZ25337									
ZZ25338		0.006	0.20	5.26	67	0.11	10.20	90	2.6
ZZ25339		0.015	0.28	5.37	68	0.15	11.35	114	2.6
ZZ25340		0.012	0.25	3.16	75	0.20	9.43	95	2.9
ZZ67431		0.009	0.21	2.50	45	0.15	9.29	47	1.2
ZZ67432		0.011	0.17	1.71	31	0.12	7.68	34	1.7
ZZ67433		0.009	0.23	2.94	35	0.11	18.00	59	2.0
ZZ67434		0.009	0.35	2.44	37	0.10	9.53	61	0.8
ZZ67425		0.013	0.23	3.02	80	0.34	10.40	106	3.1
ZZ67426		0.013	0.25	4.37	67	0.15	12.55	122	3.0
ZZ67427		0.012	0.23	3.34	63	0.12	10.15	90	2.2
ZZ67428		0.012	0.23	4.94	66	0.14	10.65	174	2.3
ZZ67429		0.009	0.27	2.65	53	0.12	15.95	166	1.9
ZZ67430		0.009	0.22	2.08	44	0.09	7.90	48	1.1
ZZ67101		0.023	0.94	2.79	230	0.24	7.76	390	3.1
ZZ67102		0.023	0.53	1.42	109	0.25	6.40	117	0.6
ZZ67103		0.031	1.15	2.06	181	0.24	6.68	246	3.9
ZZ67104		0.029	1.65	4.57	359	0.28	14.30	427	3.2
ZZ67105		0.028	1.11	1.80	307	0.26	4.92	59	2.4
ZZ67106		0.038	7.08	13.10	1440	0.36	35.3	145	5.9
ZZ67107		0.024	3.66	18.00	642	0.29	32.7	93	<0.5
ZZ67108		0.051	1.72	4.29	343	0.31	8.13	73	1.9
ZZ67109		0.015	1.27	6.64	135	0.15	4.25	27	<0.5
ZZ67110		0.032	0.47	1.34	71	0.12	2.27	18	<0.5
ZZ67111		0.031	0.35	2.09	105	0.26	4.83	64	1.1
ZZ67112		0.029	0.54	2.82	132	0.14	6.80	122	2.7
ZZ67113		0.044	0.53	1.69	18	<0.05	1.42	5	3.0
ZZ67114		0.012	0.20	0.77	35	0.09	2.50	23	<0.5
ZZ67115		0.047	0.27	1.13	37	<0.05	1.79	21	0.5
ZZ67116		0.005	0.19	1.56	28	0.08	5.28	36	<0.5
ZZ67117		0.008	0.39	1.93	41	0.14	7.61	54	<0.5
ZZ67118		0.008	0.19	1.75	35	0.14	7.97	87	<0.5
ZZ67119		0.005	0.20	1.46	39	0.10	5.41	74	<0.5
ZZ67120		<0.005	0.26	1.58	35	0.07	5.41	65	<0.5



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- TL43 Au ppm 0.001	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	ME- MS41 B ppm 10	ME- MS41 Ba ppm 10	ME- MS41 Be ppm 0.05	ME- MS41 Bi ppm 0.01	ME- MS41 Ca % 0.01	ME- MS41 Cd ppm 0.01	ME- MS41 Ce ppm 0.02	ME- MS41 Co ppm 0.1	ME- MS41 Cr ppm 1
ZZ67121		0.28	0.002	0.82	0.72	17.0	<0.2	<10	1630	0.56	0.24	0.01	0.22	12.85	3.7	14
ZZ67122		0.32	<0.001	0.63	0.73	15.6	<0.2	<10	1630	0.61	0.25	0.02	0.21	11.60	3.9	16
ZZ67123		0.28	<0.001	0.40	1.34	15.3	<0.2	<10	540	0.57	0.35	0.03	0.25	25.6	6.6	19
ZZ67124		0.32	<0.001	0.41	0.82	15.4	<0.2	<10	1060	1.42	0.35	0.02	0.10	22.8	1.4	19
ZZ67125		0.36	<0.001	0.25	1.33	18.3	<0.2	<10	720	0.53	0.29	0.12	0.24	31.9	8.5	18
ZZ67126		0.32	0.001	0.19	0.34	13.5	<0.2	<10	540	0.20	0.15	0.01	0.06	7.44	0.8	10
ZZ67127		0.38	0.001	0.37	0.47	15.4	<0.2	<10	1940	0.46	0.18	0.02	0.09	10.15	1.1	13
ZZ67128		0.34	0.002	0.57	0.87	15.6	<0.2	<10	1740	0.60	0.33	0.04	0.13	16.20	1.7	18
ZZ67129		0.42	0.002	0.45	0.88	13.1	<0.2	<10	730	0.46	0.22	0.03	0.14	15.65	2.2	16
ZZ67130		0.40	0.002	0.34	0.68	18.9	<0.2	<10	410	0.58	0.23	0.03	0.20	17.40	3.6	14
ZZ25112		0.26	0.002	1.22	0.77	16.1	<0.2	<10	2210	0.56	0.19	2.76	1.01	28.2	6.2	15
ZZ25113		0.32	0.002	1.40	0.76	17.6	<0.2	<10	2560	0.49	0.19	2.42	0.95	30.5	7.7	15
ZZ25114		0.34	0.002	1.88	0.88	17.3	<0.2	<10	2810	0.60	0.20	1.26	0.98	32.0	5.4	17
ZZ25115		0.32	0.003	2.58	1.48	15.0	<0.2	<10	3070	0.92	0.24	0.79	1.32	36.8	10.5	22
ZZ25116		0.24	0.002	1.82	1.06	15.0	<0.2	<10	3260	0.66	0.22	0.79	0.66	32.1	8.2	19
ZZ25117		0.22	0.002	1.52	0.98	12.1	<0.2	<10	2110	0.63	0.20	1.44	1.02	27.1	5.4	17
ZZ25118		0.22	0.002	1.55	0.97	13.4	<0.2	<10	2090	0.62	0.21	1.09	0.80	28.0	5.7	17
ZZ25119		0.28	0.002	0.75	0.74	13.2	<0.2	<10	1740	0.38	0.21	0.57	0.69	26.3	6.3	15
ZZ25120		0.30	0.002	1.16	0.84	16.1	<0.2	<10	1680	0.56	0.24	2.06	0.86	29.1	6.4	17
ZZ25121		0.40	0.002	1.33	0.83	19.1	<0.2	<10	2030	0.66	0.18	4.35	1.27	31.3	9.9	16
ZZ25122		0.22	0.001	0.89	1.14	15.0	<0.2	<10	1830	0.76	0.23	0.67	0.78	34.4	8.0	19
ZZ25123		0.30	0.001	0.97	0.96	15.5	<0.2	<10	1920	0.59	0.20	2.07	1.05	33.1	7.4	18
ZZ25124		0.32	0.001	0.92	0.86	18.5	<0.2	<10	1420	0.62	0.19	2.15	0.81	35.2	7.1	17
ZZ25125		0.30	0.002	0.86	0.99	13.5	<0.2	<10	1480	0.70	0.22	0.87	0.54	28.5	8.2	19
ZZ25126		0.32	0.002	1.57	1.10	16.2	<0.2	<10	1650	0.74	0.24	1.27	0.90	33.8	9.0	20
ZZ25127		0.32	0.002	1.09	0.83	17.2	<0.2	<10	2060	0.66	0.19	3.94	1.10	28.2	7.6	16
ZZ25128		Not Recvd														
ZZ25129		0.24	0.002	0.88	0.93	17.4	<0.2	<10	1330	0.71	0.20	1.08	0.91	29.8	7.6	19
ZZ25130		0.28	0.001	0.63	0.92	17.8	<0.2	<10	950	0.70	0.21	1.72	0.71	34.0	7.4	17
ZZ25131		0.34	0.002	0.66	1.06	14.8	<0.2	<10	1220	0.72	0.21	0.70	0.44	35.5	6.8	19
ZZ25132		Not Recvd														
ZZ25133		0.36	0.001	1.11	1.05	13.6	<0.2	<10	1560	0.77	0.21	0.41	0.80	25.0	6.4	19
ZZ25134		0.24	0.002	1.29	1.21	7.9	<0.2	<10	2360	0.75	0.22	0.72	0.83	20.2	4.0	18
ZZ25135		0.30	0.002	1.06	0.86	17.3	<0.2	<10	1850	0.84	0.24	0.62	1.15	28.3	9.0	19
ZZ25136		0.36	0.002	0.97	0.97	18.6	<0.2	<10	1840	0.87	0.26	0.38	1.04	31.6	13.3	19
ZZ25137		0.22	0.003	1.46	1.25	9.9	<0.2	<10	1400	0.72	0.25	1.02	0.49	21.0	4.0	17
ZZ25138		0.18	0.002	2.06	1.35	10.2	<0.2	<10	1150	0.81	0.30	0.75	0.42	23.1	18.8	18
ZZ25139		0.30	0.001	0.72	0.52	8.8	<0.2	<10	810	0.47	0.18	0.21	0.90	15.05	51.5	9
ZZ25140		0.30	0.002	1.78	1.12	23.6	<0.2	<10	1990	0.84	0.28	0.45	1.11	25.3	14.9	20
ZZ25141		0.22	0.006	4.52	1.18	23.9	<0.2	<10	150	0.92	0.27	1.74	7.36	19.35	7.2	23



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		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ67121		2.03	31.7	3.21	2.89	0.07	0.03	0.09	0.047	0.04	7.9	7.1	0.08	90	6.56
ZZ67122		1.59	32.1	3.15	2.86	0.07	0.03	0.07	0.048	0.05	7.1	7.3	0.07	100	5.55
ZZ67123		2.49	17.8	3.03	4.95	0.08	0.04	0.07	0.035	0.06	13.1	18.2	0.26	235	2.34
ZZ67124		2.25	20.8	2.26	3.81	0.09	0.10	0.07	0.052	0.04	9.6	3.8	0.03	35	1.68
ZZ67125		1.28	16.2	2.85	3.50	0.09	0.07	0.06	0.028	0.06	15.6	19.3	0.33	270	2.12
ZZ67126		0.99	12.7	1.67	2.54	0.07	<0.02	0.02	0.018	0.01	3.8	1.0	0.01	12	2.72
ZZ67127		1.54	18.7	2.23	2.19	0.09	<0.02	0.08	0.030	0.03	5.1	2.8	0.03	24	2.32
ZZ67128		2.95	17.7	2.10	3.38	0.09	0.02	0.14	0.034	0.05	8.2	5.1	0.05	47	2.62
ZZ67129		2.19	18.3	2.34	3.30	0.08	<0.02	0.10	0.030	0.03	7.7	6.0	0.08	61	4.25
ZZ67130		1.64	22.3	2.87	2.91	0.09	<0.02	0.04	0.033	0.03	8.8	5.8	0.09	74	6.86
ZZ25112		1.01	28.2	2.12	2.32	0.11	0.05	0.09	0.029	0.08	15.0	7.2	1.32	217	6.35
ZZ25113		1.09	23.7	2.17	2.30	0.12	0.06	0.09	0.033	0.09	15.9	5.9	1.05	311	6.69
ZZ25114		0.85	32.2	2.40	2.67	0.11	0.06	0.13	0.031	0.09	17.1	7.4	0.24	109	6.05
ZZ25115		1.72	30.8	2.41	3.19	0.12	0.08	0.26	0.040	0.08	20.3	13.1	0.20	174	4.53
ZZ25116		0.97	22.5	2.39	2.82	0.11	0.06	0.15	0.028	0.07	17.2	9.7	0.21	280	4.03
ZZ25117		0.76	24.2	2.07	2.75	0.12	0.07	0.15	0.026	0.06	14.8	8.4	0.24	243	3.28
ZZ25118		0.91	21.2	2.30	2.93	0.11	0.07	0.13	0.030	0.07	16.2	9.0	0.21	254	4.02
ZZ25119		0.83	14.6	2.19	2.90	0.10	<0.02	0.02	0.024	0.07	14.7	5.9	0.16	260	5.58
ZZ25120		0.90	24.9	2.19	2.58	0.11	0.04	0.10	0.032	0.07	15.8	7.0	0.79	250	6.46
ZZ25121		1.28	25.1	2.39	2.41	0.13	0.06	0.10	0.027	0.10	19.3	7.1	2.45	292	8.24
ZZ25122		1.12	19.2	2.47	3.28	0.11	0.07	0.12	0.030	0.06	19.3	10.3	0.24	408	3.87
ZZ25123		0.78	21.1	2.45	2.67	0.12	0.05	0.14	0.029	0.08	16.9	9.4	1.07	244	4.92
ZZ25124		0.82	19.8	2.49	2.48	0.11	0.04	0.06	0.028	0.07	19.0	8.4	1.14	265	6.31
ZZ25125		0.68	22.8	2.60	2.77	0.11	0.05	0.07	0.030	0.06	14.6	9.8	0.28	320	6.28
ZZ25126		0.73	25.9	2.64	3.10	0.12	0.08	0.10	0.032	0.07	17.9	10.9	0.49	211	5.07
ZZ25127		1.40	28.3	2.54	2.33	0.12	0.12	0.07	0.029	0.09	15.4	8.1	2.25	239	8.03
ZZ25128															
ZZ25129		0.59	26.2	2.44	2.58	0.11	0.07	0.10	0.031	0.06	16.0	8.4	0.31	373	4.57
ZZ25130		0.72	20.7	2.42	2.67	0.10	0.06	0.08	0.028	0.06	18.0	8.9	0.93	229	5.35
ZZ25131		0.66	19.3	2.48	3.00	0.10	0.07	0.40	0.033	0.06	18.5	11.4	0.31	302	4.73
ZZ25132															
ZZ25133		1.27	27.1	2.68	2.98	0.09	0.08	0.14	0.037	0.05	13.5	11.7	0.16	188	5.36
ZZ25134		1.53	25.3	1.99	3.54	0.11	0.09	0.24	0.036	0.05	12.3	12.3	0.18	118	4.55
ZZ25135		1.32	41.7	2.93	3.14	0.13	0.04	0.14	0.041	0.06	15.2	8.4	0.22	196	11.35
ZZ25136		1.45	32.3	3.73	3.42	0.12	0.04	0.16	0.040	0.06	16.7	10.2	0.19	691	15.35
ZZ25137		1.88	25.3	2.73	3.51	0.11	0.11	0.30	0.037	0.06	11.4	10.4	0.18	123	5.28
ZZ25138		2.88	19.8	3.92	4.74	0.12	0.09	0.36	0.043	0.06	12.1	25.8	0.16	247	8.06
ZZ25139		2.54	20.0	17.70	2.11	0.14	0.04	0.11	0.027	0.04	8.6	3.0	0.05	509	7.83
ZZ25140		1.61	26.5	5.60	3.49	0.13	0.06	0.27	0.041	0.06	14.2	9.8	0.16	774	15.75
ZZ25141		2.17	63.7	1.96	3.31	0.17	0.13	0.50	0.043	0.08	11.3	17.1	0.16	155	8.24



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
ZZ67121		0.50	20.6	700	19.9	10.7	0.001	0.08	1.43	2.1	2.8	0.3	19.4	<0.01	0.07
ZZ67122		0.38	22.2	640	20.4	9.6	0.002	0.08	1.12	2.6	2.9	0.3	19.4	<0.01	0.06
ZZ67123		0.93	20.6	650	22.4	14.1	<0.001	0.03	0.68	2.3	1.0	0.5	14.3	<0.01	0.04
ZZ67124		0.21	6.7	660	38.2	8.8	0.001	0.01	0.42	8.1	2.0	0.5	20.2	0.01	0.12
ZZ67125		0.74	22.0	850	17.3	7.9	<0.001	0.04	1.48	1.9	1.1	0.4	14.6	<0.01	0.04
ZZ67126		0.23	5.1	380	14.4	3.2	0.001	0.03	0.89	1.0	1.2	0.4	8.2	<0.01	0.06
ZZ67127		0.20	6.4	570	25.1	5.4	0.001	0.06	0.91	2.5	2.0	0.3	14.2	<0.01	0.10
ZZ67128		0.15	9.1	730	42.0	9.3	0.001	0.06	0.98	2.6	1.9	0.5	19.4	<0.01	0.12
ZZ67129		0.22	11.3	870	21.6	7.3	0.001	0.04	1.06	1.0	1.7	0.4	12.4	<0.01	0.05
ZZ67130		0.36	19.6	890	16.4	7.2	<0.001	0.04	1.58	1.6	2.2	0.4	16.4	<0.01	0.04
ZZ25112		0.65	26.1	1410	18.3	6.2	0.002	0.10	3.96	3.0	3.4	0.6	43.6	<0.01	0.07
ZZ25113		0.70	27.4	1520	21.1	6.8	0.004	0.12	4.30	3.2	4.0	0.7	54.8	<0.01	0.06
ZZ25114		0.67	29.6	1590	20.8	7.3	0.002	0.12	3.86	3.3	3.8	0.7	50.3	<0.01	0.02
ZZ25115		0.52	44.2	2090	24.3	10.9	0.012	0.12	3.33	3.0	3.9	0.8	48.3	<0.01	0.06
ZZ25116		0.61	29.1	1700	19.5	7.2	0.003	0.09	2.31	3.1	2.2	0.6	39.9	<0.01	0.05
ZZ25117		0.62	24.7	1640	17.5	6.9	0.007	0.12	2.60	2.2	3.8	0.6	37.6	<0.01	0.03
ZZ25118		0.55	25.7	1700	18.4	10.2	0.005	0.11	2.46	2.2	3.6	0.6	39.2	<0.01	0.03
ZZ25119		0.57	16.1	1000	18.6	8.4	0.001	0.06	2.67	1.2	2.3	0.6	28.3	<0.01	0.02
ZZ25120		0.60	25.0	1360	17.3	6.3	0.002	0.09	3.76	2.3	3.8	0.6	35.9	<0.01	0.03
ZZ25121		0.77	34.9	1350	19.2	7.6	<0.001	0.09	4.38	4.1	3.3	0.6	45.4	<0.01	0.04
ZZ25122		0.61	24.4	1390	20.2	9.4	0.002	0.04	2.27	2.9	1.7	0.6	29.9	<0.01	0.02
ZZ25123		0.64	28.3	1220	18.1	6.4	<0.001	0.07	2.89	3.1	2.2	0.5	33.0	<0.01	0.05
ZZ25124		0.72	30.8	1120	18.7	6.3	<0.001	0.06	3.36	3.4	2.4	0.5	32.2	<0.01	0.03
ZZ25125		0.62	33.6	930	16.0	6.0	0.001	0.05	2.40	2.9	2.0	0.5	24.9	<0.01	0.05
ZZ25126		0.67	33.5	1210	18.7	6.3	0.005	0.06	2.73	3.6	2.7	0.5	32.0	<0.01	0.04
ZZ25127		0.57	37.1	1270	18.1	6.9	0.001	0.09	3.60	3.7	3.1	0.5	40.9	<0.01	0.05
ZZ25128															
ZZ25129		0.62	30.1	1160	18.5	5.4	0.003	0.05	2.56	3.0	2.4	0.5	29.7	<0.01	0.04
ZZ25130		0.66	31.5	990	18.3	5.7	0.001	0.03	2.53	3.5	1.9	0.5	25.8	<0.01	0.03
ZZ25131		0.79	26.2	1050	18.9	5.6	0.001	0.05	2.41	3.3	2.1	0.5	25.2	<0.01	0.05
ZZ25132															
ZZ25133		0.44	23.7	1240	20.4	10.0	0.007	0.07	1.84	2.8	4.2	0.4	21.3	0.01	0.06
ZZ25134		0.46	26.1	1580	16.2	12.4	0.016	0.09	1.58	2.4	4.4	0.5	27.0	<0.01	0.05
ZZ25135		0.65	39.3	1210	17.0	6.4	0.007	0.05	3.76	3.6	6.2	0.5	28.7	<0.01	0.09
ZZ25136		0.70	45.7	1200	19.4	7.4	0.004	0.04	3.48	4.2	3.2	0.5	30.0	<0.01	0.09
ZZ25137		0.54	24.6	1500	20.8	9.8	0.019	0.11	1.59	2.7	6.0	0.5	30.6	<0.01	0.06
ZZ25138		0.58	34.5	1130	25.0	13.2	0.013	0.06	1.43	3.7	4.9	0.6	30.2	<0.01	0.06
ZZ25139		0.49	155.0	920	11.1	10.7	0.002	0.07	1.71	2.5	3.0	0.3	14.3	<0.01	0.05
ZZ25140		0.50	42.0	1600	19.6	10.1	0.024	0.06	2.53	3.9	5.5	0.5	26.0	<0.01	0.09
ZZ25141		0.71	86.8	790	21.0	15.9	0.110	1.23	1.60	4.1	25.1	0.6	34.1	<0.01	0.05



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ67121		0.007	0.16	1.33	38	0.06	5.92	78	0.5
ZZ67122		0.005	0.13	1.34	37	0.05	6.37	77	0.5
ZZ67123		0.009	0.14	0.84	34	0.16	6.17	66	0.8
ZZ67124		<0.005	0.09	1.54	34	0.06	27.0	32	2.6
ZZ67125		0.013	0.09	0.89	32	0.16	5.08	86	1.9
ZZ67126		<0.005	0.05	0.52	37	0.05	1.83	28	<0.5
ZZ67127		<0.005	0.05	1.27	31	0.05	5.33	31	0.5
ZZ67128		<0.005	0.11	1.41	37	0.05	8.29	34	0.5
ZZ67129		0.005	0.09	1.60	35	0.07	6.53	45	<0.5
ZZ67130		0.008	0.09	1.76	37	0.11	5.14	77	0.5
ZZ25112		0.017	0.21	2.11	52	0.15	10.70	125	2.0
ZZ25113		0.020	0.27	2.26	52	0.17	10.45	140	2.5
ZZ25114		0.015	0.24	2.79	58	0.18	12.10	143	2.0
ZZ25115		0.007	0.29	4.89	64	0.14	20.3	227	2.2
ZZ25116		0.010	0.15	2.54	54	0.17	13.55	136	1.9
ZZ25117		0.009	0.11	3.52	50	0.13	12.35	117	2.1
ZZ25118		0.010	0.15	3.36	52	0.11	12.15	133	1.9
ZZ25119		0.018	0.18	1.11	55	0.15	4.77	130	<0.5
ZZ25120		0.015	0.18	5.51	55	0.13	10.50	112	1.3
ZZ25121		0.025	0.31	1.42	59	0.15	13.75	161	3.1
ZZ25122		0.010	0.15	2.72	60	0.14	13.90	126	2.0
ZZ25123		0.017	0.16	1.12	53	0.16	11.00	125	1.5
ZZ25124		0.021	0.16	1.31	51	0.13	12.20	122	1.7
ZZ25125		0.012	0.10	1.82	53	0.13	11.00	126	1.7
ZZ25126		0.012	0.11	3.00	55	0.14	13.25	127	2.6
ZZ25127		0.020	0.22	1.65	57	0.14	12.05	159	6.6
ZZ25128									
ZZ25129		0.011	0.09	2.43	51	0.12	12.00	117	2.6
ZZ25130		0.015	0.12	1.25	51	0.12	11.25	126	2.3
ZZ25131		0.015	0.13	1.83	49	0.18	10.20	108	2.3
ZZ25132									
ZZ25133		0.005	0.16	4.94	76	0.95	13.00	143	2.1
ZZ25134		<0.005	0.21	3.75	61	0.08	13.70	144	2.7
ZZ25135		0.011	0.22	2.97	84	0.13	13.85	175	1.5
ZZ25136		0.015	0.28	3.85	78	0.17	14.30	196	1.7
ZZ25137		<0.005	0.25	7.10	60	0.10	13.25	104	3.1
ZZ25138		<0.005	0.28	5.89	69	0.09	11.40	195	3.0
ZZ25139		0.008	0.18	1.94	42	0.07	7.79	751	1.6
ZZ25140		0.006	0.25	4.62	80	0.11	14.00	222	1.8
ZZ25141		<0.005	0.59	11.35	54	0.07	18.10	211	5.1



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- TL43 Au ppm 0.001	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	ME- MS41 B ppm 10	ME- MS41 Ba ppm 10	ME- MS41 Be ppm 0.05	ME- MS41 Bi ppm 0.01	ME- MS41 Ca % 0.01	ME- MS41 Cd ppm 0.01	ME- MS41 Ce ppm 0.02	ME- MS41 Co ppm 0.1	ME- MS41 Cr ppm 1
ZZ25142		0.26	0.001	2.57	0.85	16.6	<0.2	<10	1180	0.58	0.28	0.61	0.85	15.25	4.4	20
ZZ25143		0.26	<0.001	0.97	0.93	12.3	<0.2	<10	610	0.73	0.25	0.70	0.74	17.95	4.0	15
ZZ25144		0.30	0.001	0.35	0.78	34.0	<0.2	<10	90	0.94	0.48	0.01	0.28	9.40	7.2	28
ZZ25145		0.28	0.002	0.40	1.31	12.7	<0.2	<10	100	0.35	0.34	0.06	0.35	32.5	5.8	22
ZZ25146		0.28	0.002	1.63	1.31	16.3	<0.2	<10	100	0.39	0.33	0.04	0.35	27.1	5.5	23
ZZ25147		0.24	0.002	0.56	1.14	14.7	<0.2	<10	110	1.26	0.39	0.06	0.82	11.65	16.6	19
ZZ25148		0.24	0.002	0.89	1.25	15.8	<0.2	<10	130	0.71	0.27	0.01	0.46	16.45	7.9	20
ZZ25149		0.28	0.003	0.47	1.53	11.6	<0.2	<10	130	0.34	0.31	0.05	0.23	34.5	5.1	21
ZZ25150		0.24	0.001	0.25	1.52	10.4	<0.2	<10	320	0.46	0.29	0.06	0.30	33.7	5.0	20
ZZ67151		0.14	0.004	0.34	0.89	35.7	<0.2	<10	480	0.88	0.22	1.67	3.10	40.4	10.4	19
ZZ67152		0.10	0.006	0.41	0.76	33.8	<0.2	<10	480	0.86	0.22	1.86	3.43	43.3	11.1	18
ZZ67153		0.12	0.002	0.47	1.29	24.0	<0.2	<10	810	0.82	0.30	1.00	2.38	45.8	11.0	25
ZZ67154		0.24	0.002	0.35	1.02	22.0	<0.2	<10	620	0.73	0.27	0.53	2.53	42.6	9.3	24
ZZ67155		0.26	0.002	0.87	1.32	37.5	<0.2	<10	2540	0.99	0.29	0.46	15.80	56.5	9.0	23
ZZ67156		0.20	0.002	0.41	0.89	35.9	<0.2	<10	630	0.62	0.25	0.10	2.07	35.3	5.6	24
ZZ67157		0.20	0.002	0.83	1.75	14.9	<0.2	<10	770	0.76	0.33	0.18	1.34	53.2	9.7	27
ZZ67158		0.18	0.005	1.22	1.25	24.7	<0.2	<10	330	0.40	0.30	0.09	0.93	30.2	4.3	23
ZZ67159		0.24	0.001	0.52	1.38	18.5	<0.2	<10	1010	0.86	0.28	0.04	2.63	36.6	4.1	26
ZZ67160		0.22	0.001	0.71	1.39	10.4	<0.2	<10	420	0.55	0.31	0.05	0.85	40.8	3.8	21
ZZ25403		0.16	0.001	0.22	1.27	13.1	<0.2	<10	310	0.61	0.27	1.13	2.99	38.3	10.9	21
ZZ25404		0.20	0.002	0.21	0.71	19.6	<0.2	<10	210	0.59	0.17	5.53	2.54	31.1	8.1	14
ZZ25405		0.16	0.002	0.29	0.93	20.7	<0.2	<10	290	0.81	0.21	1.47	4.18	41.3	11.5	18
ZZ25406		0.14	0.002	0.32	0.87	20.7	<0.2	<10	330	0.84	0.20	2.16	4.70	37.0	10.3	17
ZZ25407		0.18	0.003	0.31	0.98	21.9	<0.2	<10	300	0.91	0.23	1.56	4.00	41.5	10.9	19
ZZ25408		0.16	0.003	0.26	0.83	14.8	<0.2	<10	260	0.87	0.19	2.20	2.70	37.5	8.3	14
ZZ25409		0.12	0.002	0.30	0.90	26.4	<0.2	<10	310	0.95	0.20	1.67	3.89	42.3	11.1	17
ZZ25410		0.12	0.002	0.34	0.87	33.7	<0.2	<10	400	0.99	0.21	1.88	3.36	41.9	10.9	17
ZZ25397		0.20	0.001	0.15	1.08	16.5	<0.2	<10	210	0.74	0.25	0.52	2.59	39.2	8.1	20
ZZ25398		0.24	0.002	0.47	0.59	16.3	<0.2	<10	160	0.66	0.14	6.60	2.31	34.8	7.9	13
ZZ25399		0.18	0.002	0.80	0.67	19.9	<0.2	<10	200	0.92	0.13	5.41	3.06	52.4	6.9	17
ZZ25400		0.14	0.002	0.41	1.09	11.5	<0.2	<10	330	0.69	0.20	1.92	3.40	30.8	8.4	19
ZZ25401		0.18	0.001	0.39	0.87	24.3	<0.2	<10	220	0.96	0.20	2.70	2.62	52.0	10.9	18
ZZ25291		0.28	0.001	0.13	0.98	48.2	<0.2	<10	440	0.62	0.24	0.16	3.07	43.4	12.8	17
ZZ25292		0.24	0.001	0.13	0.96	18.8	<0.2	<10	300	0.67	0.22	1.01	1.22	39.9	13.7	20
ZZ25293		0.20	0.002	0.19	1.17	20.1	<0.2	<10	250	1.19	0.18	1.74	1.65	37.0	11.4	22
ZZ25294		0.22	0.002	0.35	1.04	16.9	<0.2	<10	290	0.91	0.20	1.57	2.31	38.1	10.7	19
ZZ25295		0.22	0.002	0.31	0.91	22.3	<0.2	<10	440	1.04	0.19	3.71	9.34	47.8	12.5	15
ZZ25296		0.26	0.002	0.09	1.30	13.1	<0.2	<10	240	0.52	0.30	0.83	1.30	35.7	10.3	22
ZZ25297		0.32	0.002	0.30	1.35	18.2	<0.2	<10	370	0.96	0.32	0.66	2.61	48.3	15.5	24
ZZ25298		0.24	0.004	0.39	0.97	17.7	<0.2	<10	320	0.99	0.20	2.22	4.27	45.1	12.9	20



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ25142		1.74	30.6	2.47	3.19	0.11	0.05	0.25	0.029	0.07	9.2	7.0	0.14	239	10.50
ZZ25143		1.19	22.9	1.86	3.55	0.10	0.02	0.07	0.026	0.05	10.2	6.2	0.06	50	6.41
ZZ25144		3.34	91.6	8.35	3.96	0.11	0.04	0.06	0.054	0.05	6.0	1.5	0.02	37	3.03
ZZ25145		1.44	9.0	3.29	5.89	0.12	0.02	0.04	0.032	0.06	18.3	13.4	0.30	249	2.99
ZZ25146		1.80	14.4	3.47	4.96	0.11	0.03	0.06	0.034	0.05	15.4	13.6	0.25	152	4.33
ZZ25147		3.51	23.3	3.93	3.41	0.09	0.02	0.04	0.046	0.05	5.7	18.3	0.11	215	1.78
ZZ25148		2.13	22.8	3.89	3.88	0.10	0.02	0.04	0.044	0.04	10.0	9.6	0.12	171	5.78
ZZ25149		1.44	8.9	3.23	5.67	0.11	0.02	0.04	0.030	0.04	17.6	17.7	0.32	195	2.39
ZZ25150		1.24	9.1	2.81	5.60	0.11	<0.02	0.04	0.029	0.05	18.3	18.3	0.28	175	3.41
ZZ67151		1.01	24.5	2.71	2.84	0.13	0.06	0.12	0.041	0.09	22.1	6.5	0.26	485	3.42
ZZ67152		0.83	26.5	2.77	2.47	0.13	0.05	0.11	0.040	0.08	22.7	5.3	0.22	486	5.18
ZZ67153		1.17	36.3	2.85	4.77	0.13	0.05	0.10	0.040	0.08	24.7	11.2	0.30	509	4.41
ZZ67154		0.99	27.7	2.58	3.48	0.12	0.04	0.08	0.038	0.09	22.9	8.6	0.23	361	9.05
ZZ67155		2.84	40.5	3.26	3.52	0.16	0.07	0.24	0.050	0.12	31.2	10.7	0.14	546	12.05
ZZ67156		0.82	31.6	3.59	3.20	0.12	0.02	0.04	0.037	0.10	21.1	6.2	0.12	118	22.8
ZZ67157		1.13	17.8	3.16	5.01	0.14	0.05	0.10	0.032	0.07	25.1	19.3	0.47	375	4.26
ZZ67158		1.31	17.1	3.29	4.89	0.11	<0.02	0.06	0.031	0.07	16.9	12.7	0.26	109	15.70
ZZ67159		2.84	31.9	2.68	5.28	0.12	<0.02	0.07	0.031	0.09	23.2	10.0	0.17	147	17.45
ZZ67160		1.17	11.9	2.10	6.09	0.12	0.02	0.03	0.023	0.05	22.5	13.3	0.22	158	7.06
ZZ25403		0.80	20.9	2.60	4.59	0.11	0.03	0.05	0.031	0.05	17.5	12.3	0.46	660	2.26
ZZ25404		0.56	15.4	2.16	2.23	0.11	0.04	0.07	0.026	0.06	16.3	5.4	3.03	481	4.21
ZZ25405		0.78	21.1	2.61	3.07	0.13	0.05	0.08	0.033	0.06	20.8	7.8	0.29	662	4.31
ZZ25406		0.73	25.5	2.46	2.66	0.12	0.07	0.12	0.031	0.07	19.9	6.7	0.38	671	3.30
ZZ25407		0.78	22.9	2.68	3.03	0.12	0.06	0.11	0.034	0.07	23.0	8.2	0.33	505	3.87
ZZ25408		0.88	21.9	1.90	2.66	0.11	0.05	0.11	0.032	0.07	20.4	7.0	0.58	243	2.10
ZZ25409		0.86	22.0	2.75	2.79	0.13	0.06	0.11	0.037	0.08	22.8	7.1	0.30	327	3.67
ZZ25410		0.89	25.3	2.71	2.99	0.13	0.07	0.11	0.041	0.08	23.4	7.2	0.28	420	3.60
ZZ25397		0.70	13.6	3.09	3.39	0.11	0.04	0.03	0.038	0.07	18.4	10.1	0.34	355	4.79
ZZ25398		0.59	14.6	2.04	1.77	0.12	0.03	0.05	0.030	0.06	17.4	5.4	4.03	267	6.25
ZZ25399		0.56	22.0	2.47	1.83	0.16	0.04	0.12	0.032	0.07	32.2	4.8	2.61	246	12.05
ZZ25400		0.58	23.3	2.26	3.52	0.11	0.03	0.08	0.025	0.04	15.6	10.8	0.42	663	2.95
ZZ25401		0.53	17.9	2.92	2.60	0.12	0.05	0.06	0.046	0.06	19.0	7.6	1.27	419	6.22
ZZ25291		0.64	14.2	5.58	3.53	0.12	<0.02	0.06	0.042	0.07	21.3	7.7	0.14	189	6.06
ZZ25292		0.78	13.0	3.05	3.13	0.11	0.03	0.04	0.036	0.07	17.3	9.4	0.21	429	4.94
ZZ25293		1.40	23.3	3.00	3.34	0.13	0.09	0.11	0.034	0.09	21.5	9.4	0.42	538	4.82
ZZ25294		1.04	18.9	2.64	3.29	0.12	0.06	0.09	0.033	0.07	20.4	10.0	0.41	507	4.85
ZZ25295		0.93	23.8	3.00	2.69	0.12	0.06	0.20	0.042	0.07	25.6	7.4	1.64	738	2.53
ZZ25296		0.98	10.6	2.75	4.88	0.11	0.02	0.03	0.031	0.05	17.0	13.6	0.47	623	1.76
ZZ25297		1.05	29.3	3.04	4.81	0.13	0.06	0.08	0.034	0.07	23.6	16.2	0.42	621	4.09
ZZ25298		1.03	26.1	2.69	2.91	0.13	0.06	0.12	0.032	0.08	23.6	9.2	0.97	434	6.29



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
ZZ25142		0.45	29.7	1320	19.4	13.4	0.012	0.07	1.71	2.0	5.4	0.6	21.7	<0.01	0.07
ZZ25143		0.33	23.7	670	16.9	8.7	0.001	0.02	1.10	2.0	2.1	0.6	23.0	<0.01	0.07
ZZ25144		0.06	28.7	990	16.0	10.8	0.004	0.02	1.20	5.1	4.6	0.4	11.2	<0.01	0.20
ZZ25145		1.70	16.3	810	18.5	15.9	<0.001	<0.01	0.72	1.8	2.1	0.7	10.2	<0.01	0.04
ZZ25146		1.40	20.8	660	19.0	12.3	<0.001	0.02	1.30	2.0	2.7	0.6	9.5	<0.01	0.04
ZZ25147		0.16	49.4	600	26.2	13.9	0.001	<0.01	0.63	5.3	1.3	0.3	7.5	<0.01	0.04
ZZ25148		0.57	35.2	520	21.7	14.2	0.001	0.02	1.52	3.1	2.3	0.5	9.3	<0.01	0.06
ZZ25149		1.71	14.2	480	16.7	12.3	<0.001	<0.01	0.84	1.9	0.7	0.7	7.1	<0.01	0.03
ZZ25150		1.36	14.8	500	15.6	10.2	0.001	<0.01	1.02	1.8	1.0	0.7	9.0	<0.01	0.03
ZZ67151		0.88	44.4	1250	21.0	7.6	0.001	0.06	2.64	3.5	2.1	0.5	16.8	<0.01	0.04
ZZ67152		0.81	45.6	1150	17.9	6.9	0.002	0.06	2.99	3.8	2.4	0.4	18.6	<0.01	0.04
ZZ67153		0.97	38.4	1290	16.1	9.4	0.002	0.03	1.82	3.4	2.1	0.6	18.4	<0.01	0.04
ZZ67154		0.71	33.6	1480	16.8	9.9	0.002	0.02	3.05	2.9	1.9	0.6	16.3	<0.01	0.05
ZZ67155		0.42	149.0	2600	27.1	20.3	0.002	0.03	6.78	3.5	3.5	0.7	36.1	<0.01	0.05
ZZ67156		1.22	59.7	1340	23.3	10.3	0.001	0.05	7.75	2.6	4.4	0.6	22.0	<0.01	0.06
ZZ67157		1.11	39.9	1100	19.7	9.3	0.001	<0.01	2.05	3.2	1.5	0.6	14.2	<0.01	0.03
ZZ67158		1.42	25.4	2040	14.2	11.4	0.001	0.03	3.95	1.9	2.5	0.6	15.6	<0.01	0.06
ZZ67159		0.59	66.2	1690	22.0	18.9	0.001	0.01	4.73	1.5	2.9	0.9	21.3	<0.01	0.05
ZZ67160		1.33	15.0	570	15.6	11.2	<0.001	<0.01	1.59	2.0	1.4	0.8	10.8	<0.01	0.03
ZZ25403		1.05	24.6	720	21.5	6.3	0.001	0.02	1.29	2.4	1.1	0.6	15.2	<0.01	0.02
ZZ25404		0.68	32.6	910	22.1	4.7	<0.001	0.02	2.23	2.5	1.4	0.4	23.3	<0.01	0.03
ZZ25405		0.88	48.0	1040	26.5	7.2	<0.001	0.04	2.42	2.9	1.7	0.5	19.6	<0.01	0.03
ZZ25406		0.81	53.9	1250	29.6	7.0	0.001	0.06	2.53	2.8	1.9	0.4	21.2	<0.01	0.04
ZZ25407		0.87	58.9	1230	32.8	6.5	<0.001	0.04	2.53	3.1	1.5	0.5	18.6	<0.01	0.04
ZZ25408		0.85	47.2	1030	25.5	6.1	0.001	0.04	1.72	3.0	1.6	0.4	20.6	<0.01	0.03
ZZ25409		0.89	57.7	1300	31.0	6.5	<0.001	0.04	2.36	3.5	1.8	0.4	19.3	<0.01	0.04
ZZ25410		0.87	46.4	1340	26.4	7.4	0.001	0.06	2.41	3.6	2.1	0.5	21.2	<0.01	0.04
ZZ25397		0.78	29.4	750	23.0	8.9	0.001	0.02	1.95	3.0	1.4	0.5	12.0	<0.01	0.03
ZZ25398		0.60	28.1	800	19.0	6.7	<0.001	0.04	2.84	3.2	1.5	0.3	28.4	<0.01	0.04
ZZ25399		0.66	35.3	1110	21.1	6.1	0.001	0.07	4.80	4.3	4.1	0.4	34.8	<0.01	0.06
ZZ25400		0.85	23.3	970	15.3	5.4	<0.001	0.08	1.89	1.7	2.3	0.5	22.3	<0.01	0.03
ZZ25401		0.75	40.8	820	29.8	5.9	0.008	0.04	3.32	3.8	2.2	0.5	20.7	0.07	0.04
ZZ25291		0.50	44.0	620	29.2	6.8	<0.001	0.05	3.14	2.7	1.1	0.6	9.8	<0.01	0.04
ZZ25292		0.74	29.9	740	19.8	6.8	<0.001	0.05	2.52	3.6	1.2	0.6	18.4	<0.01	0.04
ZZ25293		0.81	48.0	1470	37.6	9.4	<0.001	0.08	3.23	3.5	2.2	0.5	17.2	<0.01	0.04
ZZ25294		0.88	38.3	1000	22.1	7.3	<0.001	0.06	2.66	3.1	2.1	0.5	17.7	<0.01	0.05
ZZ25295		0.66	49.5	1240	28.2	6.4	<0.001	0.06	2.48	3.8	1.4	0.5	21.0	0.01	0.03
ZZ25296		1.28	19.5	700	19.2	8.2	<0.001	0.04	0.93	2.3	0.6	0.7	11.3	<0.01	0.03
ZZ25297		0.94	49.5	830	26.3	9.6	<0.001	0.03	2.27	3.5	1.6	0.7	14.2	<0.01	0.04
ZZ25298		0.82	62.0	1070	32.1	7.4	<0.001	0.05	3.67	3.6	2.1	0.5	17.6	<0.01	0.04



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ25142		0.005	0.31	2.86	60	0.12	7.43	119	1.5
ZZ25143		<0.005	0.16	1.79	48	0.09	10.80	106	0.5
ZZ25144		<0.005	0.11	3.44	37	<0.05	6.69	263	2.3
ZZ25145		0.020	0.13	0.81	42	0.29	3.36	75	0.6
ZZ25146		0.014	0.14	0.86	46	0.20	3.38	82	1.6
ZZ25147		<0.005	0.12	0.72	19	<0.05	8.60	79	1.2
ZZ25148		<0.005	0.17	1.00	49	0.11	5.35	107	0.8
ZZ25149		0.020	0.13	0.63	44	0.27	2.65	64	1.0
ZZ25150		0.018	0.14	0.82	53	0.23	3.18	68	0.5
ZZ67151		0.010	0.45	1.72	80	0.16	14.65	303	2.1
ZZ67152		0.013	0.38	2.18	85	0.14	17.05	256	2.2
ZZ67153		0.014	0.24	5.02	106	0.23	14.95	171	1.7
ZZ67154		0.015	0.46	4.02	175	0.17	14.55	238	1.2
ZZ67155		0.009	3.16	5.46	199	0.16	32.1	1060	1.7
ZZ67156		0.029	1.15	2.28	258	0.23	8.10	357	1.0
ZZ67157		0.022	0.38	1.69	82	0.42	10.65	247	1.5
ZZ67158		0.028	0.66	1.94	259	0.22	4.90	132	0.5
ZZ67159		0.010	2.01	5.48	300	0.21	10.55	366	<0.5
ZZ67160		0.020	0.37	1.42	130	0.24	5.02	89	0.9
ZZ25403		0.016	0.17	1.06	74	0.27	8.29	177	1.0
ZZ25404		0.012	0.24	0.94	62	0.14	10.45	243	1.4
ZZ25405		0.012	0.28	1.35	81	0.41	13.60	311	1.7
ZZ25406		0.010	0.31	1.45	75	0.13	14.40	406	2.3
ZZ25407		0.011	0.32	1.22	73	0.13	14.80	424	2.0
ZZ25408		0.010	0.31	0.89	58	0.13	12.75	336	2.1
ZZ25409		0.010	0.34	1.12	80	0.20	15.20	423	2.1
ZZ25410		0.009	0.34	1.37	76	0.19	14.95	293	2.5
ZZ25397		0.013	0.28	1.24	72	0.18	8.81	227	1.3
ZZ25398		0.014	0.24	0.97	78	0.13	11.05	158	1.2
ZZ25399		0.015	0.46	1.75	124	0.20	25.0	194	1.4
ZZ25400		0.014	0.15	2.04	75	0.18	11.90	145	1.2
ZZ25401		0.009	0.22	1.29	84	0.22	11.35	239	1.7
ZZ25291		0.007	0.26	1.03	82	0.24	6.01	343	<0.5
ZZ25292		0.011	0.31	1.11	115	0.17	8.18	245	1.4
ZZ25293		0.010	0.43	1.87	96	0.15	19.90	250	3.1
ZZ25294		0.012	0.31	1.42	75	0.16	15.45	209	2.2
ZZ25295		0.007	0.31	1.04	44	0.18	16.50	470	2.3
ZZ25296		0.023	0.13	0.94	52	0.58	6.47	116	0.7
ZZ25297		0.016	0.24	1.31	85	0.32	14.05	251	1.9
ZZ25298		0.013	0.38	1.30	89	0.22	18.25	532	1.9



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- TL43 Au ppm 0.001	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	ME- MS41 B ppm 10	ME- MS41 Ba ppm 10	ME- MS41 Be ppm 0.05	ME- MS41 Bi ppm 0.01	ME- MS41 Ca % 0.01	ME- MS41 Cd ppm 0.01	ME- MS41 Ce ppm 0.02	ME- MS41 Co ppm 0.1	ME- MS41 Cr ppm 1
ZZ25299		0.22	0.003	0.53	0.86	26.7	<0.2	<10	460	1.07	0.19	2.42	2.77	42.7	11.4	19
ZZ25300		0.18	0.004	0.53	0.89	25.0	<0.2	<10	510	1.19	0.20	1.87	5.34	49.7	13.6	20
ZZ67201		0.18	0.004	0.51	0.82	23.5	<0.2	<10	500	1.02	0.16	2.09	5.45	37.8	12.7	20
ZZ67202		0.30	0.004	0.41	0.85	23.4	<0.2	<10	480	0.97	0.18	1.62	4.74	43.2	12.0	18
ZZ67203		0.22	0.003	0.31	0.87	15.0	<0.2	<10	480	0.77	0.16	1.48	3.18	37.9	9.8	17
ZZ67204		0.18	0.003	0.24	0.86	16.1	<0.2	<10	460	0.77	0.16	2.27	3.39	35.1	9.5	14
ZZ67205		0.18	0.003	0.22	0.93	15.5	<0.2	<10	470	0.81	0.18	2.28	2.84	36.3	9.7	15
ZZ67206		0.22	0.004	0.15	0.81	13.0	<0.2	<10	240	0.51	0.15	4.03	1.31	30.7	7.6	13
ZZ67207		0.20	0.004	0.31	1.01	18.8	<0.2	<10	410	0.90	0.17	2.24	3.07	36.2	9.9	17
ZZ67208		0.22	0.003	0.31	0.84	17.4	<0.2	<10	430	0.80	0.16	4.58	3.27	39.2	9.5	15
ZZ67209		0.38	0.003	0.23	1.27	21.7	<0.2	<10	270	0.98	0.17	4.64	3.07	55.7	11.1	19
ZZ67210		0.32	0.003	0.25	1.30	14.0	<0.2	<10	340	0.80	0.23	1.35	1.76	40.8	9.7	20
ZZ67211		0.32	0.003	0.50	0.71	26.2	<0.2	<10	540	0.95	0.17	4.94	7.14	50.6	13.4	17
ZZ67212		0.30	0.004	0.51	0.87	22.2	<0.2	<10	400	0.96	0.19	3.65	4.18	55.6	11.7	18
ZZ67213		0.26	0.003	0.31	0.72	14.8	<0.2	<10	320	0.68	0.14	7.01	2.80	34.7	8.0	12
ZZ67214		0.26	0.003	0.43	0.78	17.8	<0.2	<10	360	0.86	0.17	5.51	4.20	39.8	10.1	15
ZZ67215		0.28	0.003	0.46	0.80	22.1	<0.2	<10	430	0.94	0.17	4.82	3.91	44.8	10.7	16
ZZ67216		0.24	0.002	0.29	0.78	11.7	<0.2	<10	390	0.63	0.16	5.36	2.60	34.9	8.2	14
ZZ67217		0.26	0.003	0.32	0.81	14.4	<0.2	<10	430	0.71	0.16	2.79	2.91	41.2	10.0	15
ZZ67218		0.20	0.003	0.32	0.81	12.3	<0.2	<10	320	0.75	0.15	2.01	2.13	31.9	9.0	15
ZZ67219		0.22	0.004	0.43	0.97	19.0	<0.2	<10	300	0.88	0.19	1.30	3.70	38.6	9.6	19
ZZ67220		0.20	0.003	0.39	0.98	23.8	<0.2	<10	280	0.95	0.20	1.15	5.70	41.1	9.3	21
ZZ67221		0.32	0.003	0.31	1.08	23.7	<0.2	<10	310	0.88	0.20	0.68	3.53	44.1	10.3	22
ZZ67222		0.20	0.002	0.21	0.91	13.3	<0.2	<10	250	0.48	0.23	0.98	3.38	28.0	4.8	17
ZZ67223		0.30	0.003	0.82	0.71	27.5	<0.2	<10	300	1.13	0.17	2.16	5.50	46.7	10.4	19
ZZ67224		0.20	0.003	0.52	1.08	21.6	<0.2	<10	460	0.86	0.21	1.38	4.78	35.7	9.2	20
ZZ67225		0.26	0.003	0.52	0.96	22.4	<0.2	<10	430	1.18	0.21	1.26	5.61	41.6	10.2	20
ZZ67226		0.26	0.003	0.36	0.88	12.8	<0.2	<10	450	0.58	0.22	0.53	3.03	34.5	7.7	19
ZZ67227		0.22	0.004	0.39	0.73	29.2	<0.2	<10	290	1.02	0.19	3.12	9.79	42.2	8.9	17
ZZ67228		0.22	0.003	0.43	0.72	26.9	<0.2	<10	560	0.97	0.19	1.79	6.84	41.2	8.5	17
ZZ67229		0.26	0.002	0.23	1.10	22.9	<0.2	<10	460	0.60	0.23	0.68	1.50	33.8	6.8	18
ZZ67230		0.16	0.012	0.35	0.97	87.5	<0.2	<10	790	0.85	0.15	2.51	1.97	45.4	11.8	16



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
ZZ25299		0.97	28.1	2.88	2.78	0.13	0.05	0.13	0.039	0.10	23.6	7.1	1.09	279	11.15
ZZ25300		0.98	39.0	2.93	2.70	0.14	0.07	0.16	0.037	0.10	25.8	7.9	0.42	507	6.51
ZZ67201		0.92	47.9	2.45	2.30	0.12	0.08	0.14	0.031	0.12	19.1	7.0	0.29	495	8.93
ZZ67202		1.04	27.9	2.43	2.68	0.13	0.07	0.14	0.035	0.11	22.3	7.9	0.31	457	4.45
ZZ67203		0.84	20.8	2.09	2.64	0.13	0.07	0.12	0.033	0.09	20.0	8.3	0.31	323	2.51
ZZ67204		0.73	20.0	2.03	2.58	0.11	0.07	0.10	0.029	0.07	17.1	7.9	0.30	556	1.94
ZZ67205		0.81	19.3	2.16	2.84	0.12	0.07	0.10	0.030	0.07	18.3	7.9	0.38	462	2.01
ZZ67206		0.66	8.4	1.87	2.48	0.10	0.06	0.08	0.025	0.05	13.6	7.4	1.64	470	1.10
ZZ67207		0.78	26.7	2.65	3.37	0.12	0.06	0.13	0.027	0.07	20.0	9.4	0.35	348	1.94
ZZ67208		0.63	19.1	2.29	2.53	0.12	0.05	0.13	0.028	0.08	20.1	7.9	2.11	642	2.74
ZZ67209		0.84	17.2	2.73	2.58	0.13	0.04	0.07	0.034	0.09	23.1	10.4	2.35	531	6.57
ZZ67210		0.77	15.3	2.58	4.19	0.12	0.05	0.08	0.032	0.07	21.6	13.6	0.55	660	1.75
ZZ67211		0.87	26.6	2.75	2.21	0.14	0.04	0.08	0.031	0.11	25.0	5.7	2.66	442	6.92
ZZ67212		0.75	19.0	2.68	2.67	0.13	0.05	0.10	0.036	0.09	25.3	8.2	1.92	326	4.26
ZZ67213		0.59	15.0	1.87	2.24	0.12	0.04	0.08	0.025	0.06	16.8	7.2	4.04	483	2.12
ZZ67214		0.70	24.8	2.12	2.51	0.12	0.05	0.11	0.030	0.07	20.6	7.5	2.76	448	3.40
ZZ67215		0.93	21.5	2.42	2.45	0.12	0.05	0.09	0.031	0.09	21.5	7.2	2.37	515	4.09
ZZ67216		0.53	12.5	1.98	2.36	0.11	0.05	0.08	0.025	0.07	17.0	7.7	2.68	391	1.97
ZZ67217		1.01	16.7	2.09	2.59	0.11	0.06	0.08	0.027	0.08	20.3	8.5	1.03	354	2.26
ZZ67218		1.01	34.2	1.99	2.42	0.12	0.06	0.09	0.026	0.06	17.7	6.7	0.20	399	5.27
ZZ67219		1.09	30.5	2.51	3.12	0.12	0.05	0.10	0.031	0.08	21.4	9.0	0.25	364	6.83
ZZ67220		0.84	33.7	2.72	3.11	0.13	0.06	0.13	0.035	0.08	22.4	8.9	0.26	368	6.16
ZZ67221		0.71	23.9	3.47	3.50	0.13	0.04	0.08	0.033	0.07	22.8	10.6	0.32	524	7.27
ZZ67222		0.76	15.4	1.95	3.38	0.05	0.04	0.06	0.028	0.07	13.7	13.3	0.23	295	4.63
ZZ67223		0.52	25.2	2.91	1.88	0.14	0.04	0.10	0.032	0.08	23.3	5.1	1.00	401	11.75
ZZ67224		0.82	30.1	2.63	3.24	0.11	0.05	0.15	0.032	0.07	18.6	10.4	0.28	496	4.17
ZZ67225		0.66	31.8	2.68	3.03	0.14	0.05	0.10	0.033	0.09	23.0	9.3	0.26	523	6.03
ZZ67226		0.52	18.1	2.38	2.97	0.10	0.03	0.05	0.023	0.07	19.4	11.0	0.25	365	6.76
ZZ67227		0.71	19.7	2.84	2.11	0.11	0.06	0.10	0.029	0.07	22.4	7.4	1.48	594	5.55
ZZ67228		0.90	31.8	2.78	2.09	0.12	0.05	0.12	0.030	0.08	24.2	5.7	0.37	555	6.23
ZZ67229		0.76	16.8	2.51	3.99	0.10	0.02	0.03	0.023	0.06	18.7	13.5	0.29	324	4.58
ZZ67230		5.99	19.3	3.38	2.62	0.14	0.09	0.08	0.042	0.09	28.8	5.8	0.18	379	2.57



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
ZZ25299		0.85	64.5	1220	31.3	7.5	0.001	0.06	6.04	4.3	3.1	0.5	26.0	<0.01	0.07
ZZ25300		0.64	62.5	1430	38.7	8.6	0.001	0.07	4.78	3.7	2.4	0.5	20.8	<0.01	0.04
ZZ67201		0.56	73.3	1570	25.6	8.5	0.001	0.09	5.15	2.9	3.5	0.4	27.5	<0.01	0.05
ZZ67202		0.65	48.2	1410	29.3	8.8	<0.001	0.07	3.96	3.3	2.2	0.4	22.8	<0.01	0.04
ZZ67203		0.62	37.4	1320	24.7	7.8	0.001	0.07	2.64	2.8	1.6	0.4	21.3	<0.01	0.03
ZZ67204		0.67	31.2	1240	23.4	6.5	<0.001	0.10	2.31	2.2	1.7	0.4	26.1	<0.01	0.03
ZZ67205		0.68	28.4	1170	24.9	8.0	<0.001	0.10	2.10	2.4	1.8	0.4	26.0	<0.01	0.03
ZZ67206		0.67	18.0	880	33.5	6.2	<0.001	0.08	2.68	2.0	1.0	0.3	25.2	<0.01	0.01
ZZ67207		0.81	32.3	1260	22.4	7.0	<0.001	0.10	2.53	2.3	2.5	0.4	30.2	<0.01	0.03
ZZ67208		0.57	32.8	1200	25.0	6.1	<0.001	0.06	2.66	2.7	1.6	0.4	29.0	<0.01	0.02
ZZ67209		0.65	41.2	1290	32.9	7.0	0.001	0.05	4.16	3.6	2.2	0.4	27.5	0.01	0.03
ZZ67210		0.81	25.3	980	20.4	8.5	<0.001	0.05	1.49	2.7	1.3	0.5	18.4	<0.01	0.03
ZZ67211		0.47	62.1	1680	38.5	7.0	<0.001	0.06	6.58	4.2	3.3	0.4	31.5	<0.01	0.05
ZZ67212		0.61	46.6	1370	36.4	7.8	<0.001	0.04	3.93	4.0	2.0	0.5	24.7	<0.01	0.04
ZZ67213		0.54	25.5	950	26.5	5.6	<0.001	0.07	2.38	2.5	1.3	0.3	34.0	<0.01	0.02
ZZ67214		0.58	40.6	1170	27.0	6.6	<0.001	0.12	3.65	2.9	1.9	0.4	35.6	<0.01	0.03
ZZ67215		0.57	45.3	1180	29.0	8.0	<0.001	0.11	4.03	3.3	2.0	0.4	28.5	<0.01	0.03
ZZ67216		0.56	25.7	1060	22.0	5.9	<0.001	0.14	2.06	2.4	1.2	0.3	28.2	<0.01	0.02
ZZ67217		0.65	31.9	1290	23.0	7.6	<0.001	0.12	2.38	2.7	1.8	0.4	26.9	<0.01	0.03
ZZ67218		0.79	44.6	810	15.8	7.4	<0.001	0.12	3.11	2.6	2.3	0.4	25.5	<0.01	0.04
ZZ67219		0.93	52.6	920	19.9	8.5	0.001	0.09	3.62	3.1	2.9	0.5	19.7	<0.01	0.05
ZZ67220		0.95	70.9	970	27.0	8.0	0.001	0.08	3.87	3.5	2.2	0.5	15.5	<0.01	0.04
ZZ67221		0.94	49.2	810	18.8	8.2	<0.001	0.05	3.16	3.5	2.0	0.5	13.5	<0.01	0.05
ZZ67222		1.11	19.9	880	15.4	8.3	<0.001	0.06	1.50	2.1	1.4	0.5	17.0	0.01	0.04
ZZ67223		0.63	64.8	1230	22.4	5.8	0.001	0.04	4.56	4.8	2.5	0.4	18.4	<0.01	0.04
ZZ67224		0.80	49.5	1080	18.5	6.8	<0.001	0.06	2.37	2.9	1.9	0.5	16.9	<0.01	0.04
ZZ67225		0.79	59.2	1090	19.0	7.0	0.001	0.05	2.72	3.5	2.1	0.5	17.4	<0.01	0.05
ZZ67226		0.75	32.0	760	13.8	8.1	<0.001	0.03	2.35	2.5	1.5	0.4	11.3	<0.01	0.04
ZZ67227		0.68	91.0	1200	32.5	5.7	0.001	0.04	3.00	4.0	2.0	0.3	18.0	<0.01	0.04
ZZ67228		0.76	68.4	1380	25.4	7.0	0.001	0.06	3.51	3.7	2.7	0.4	17.2	<0.01	0.05
ZZ67229		0.92	28.3	560	13.2	6.2	<0.001	0.03	1.31	2.4	1.0	0.5	10.7	<0.01	0.04
ZZ67230		0.70	38.4	1410	11.2	9.9	<0.001	0.11	1.68	5.5	2.3	0.4	21.0	<0.01	0.02



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ25299		0.015	0.52	1.61	122	0.18	17.05	551	2.0
ZZ25300		0.009	0.60	1.57	112	0.13	21.8	722	2.6
ZZ67201		0.006	0.73	2.25	174	0.11	21.3	614	3.2
ZZ67202		0.008	0.65	1.58	115	0.15	17.75	626	2.9
ZZ67203		0.008	0.44	1.31	82	0.12	13.95	468	2.6
ZZ67204		0.008	0.29	1.20	58	0.10	12.80	405	2.9
ZZ67205		0.008	0.30	1.38	61	0.14	12.45	298	2.7
ZZ67206		0.009	0.17	0.68	40	0.10	8.02	273	2.2
ZZ67207		0.009	0.23	2.09	64	0.15	15.25	312	2.3
ZZ67208		0.008	0.22	0.84	65	0.13	14.15	388	2.0
ZZ67209		0.008	0.46	1.20	76	0.13	14.20	316	1.7
ZZ67210		0.012	0.18	0.82	49	0.18	12.95	188	1.8
ZZ67211		0.009	0.49	1.19	86	0.15	19.45	504	1.8
ZZ67212		0.010	0.37	0.83	74	0.17	16.40	411	2.0
ZZ67213		0.009	0.19	0.73	39	0.12	11.00	212	1.8
ZZ67214		0.008	0.32	0.91	59	0.12	15.95	292	2.2
ZZ67215		0.008	0.40	0.99	68	0.14	15.10	338	2.0
ZZ67216		0.009	0.19	0.95	47	0.19	11.35	217	1.8
ZZ67217		0.009	0.27	0.85	58	0.10	13.35	267	2.2
ZZ67218		0.012	0.34	2.34	103	0.12	16.15	184	2.0
ZZ67219		0.015	0.42	1.96	118	0.21	17.50	323	1.9
ZZ67220		0.013	0.46	1.76	110	0.20	17.80	466	2.0
ZZ67221		0.018	0.32	1.59	124	0.21	15.75	292	1.4
ZZ67222		0.020	0.23	1.56	63	0.31	7.03	182	1.2
ZZ67223		0.016	0.53	1.63	138	0.13	22.9	377	1.6
ZZ67224		0.012	0.33	1.83	104	0.14	16.35	334	1.8
ZZ67225		0.014	0.34	1.62	103	0.24	20.2	386	1.8
ZZ67226		0.018	0.33	1.37	97	0.16	8.94	264	0.8
ZZ67227		0.013	0.46	1.13	75	0.12	17.50	689	2.0
ZZ67228		0.013	0.49	2.07	106	0.13	17.85	448	1.6
ZZ67229		0.015	0.29	1.02	73	0.20	8.03	160	0.8
ZZ67230		0.007	0.34	2.42	54	0.11	24.6	178	3.1



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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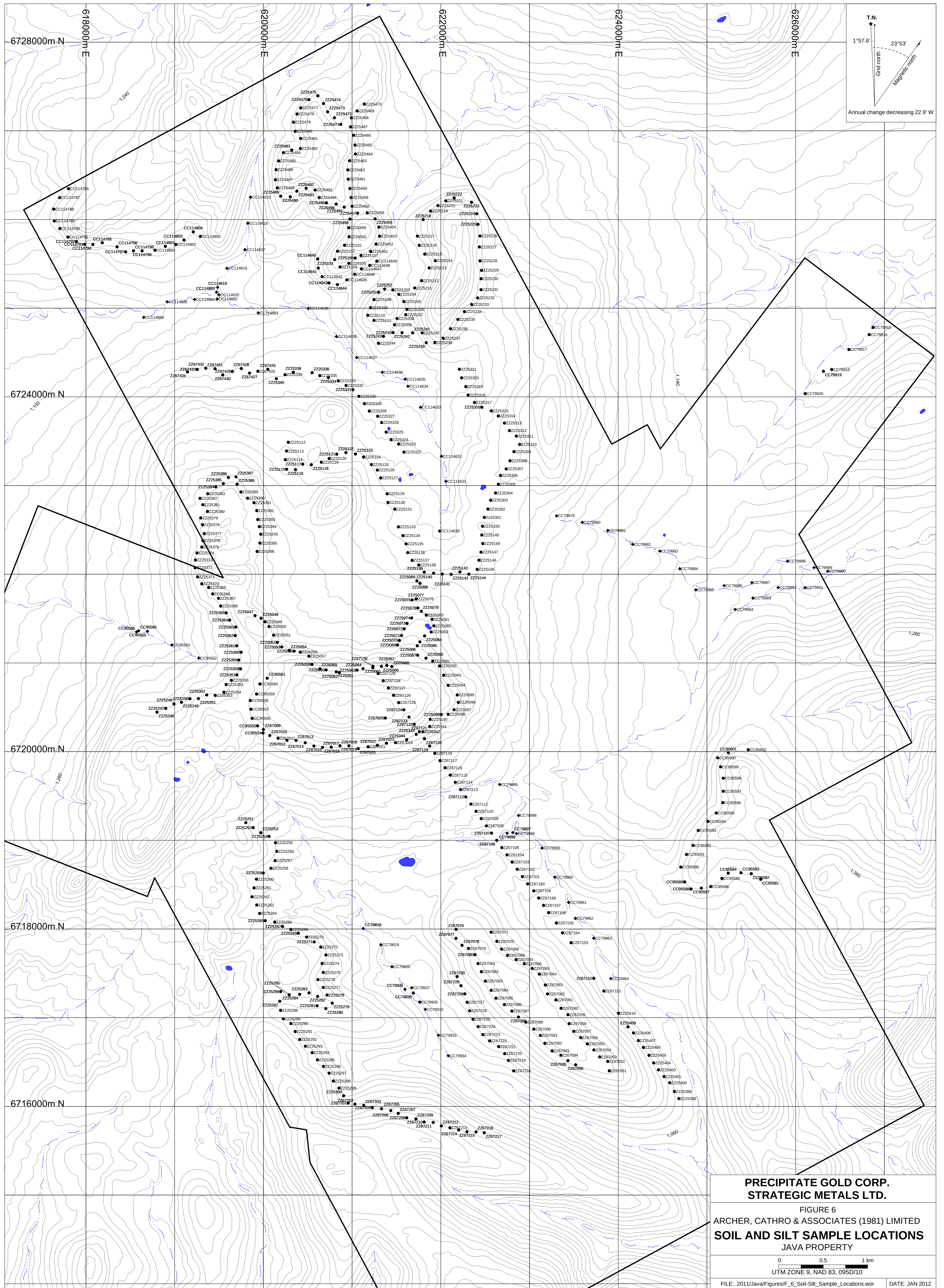
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Method	CERTIFICATE COMMENTS
ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).



Java Project

Project Expenditures = \$87,232.61