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ASSESSMENT REPORT

describing

GEOCHEMICAL SAMPLING

at the

WHITE RIVER PROPERTY

WHITE 1-48 YD58745-YD58792
 49-168 YD29909- YD30028

NTS 115K/01

Latitude 62°5'N; Longitude 140°19'W

located in the

Whitehorse Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

TARSIS RESOURCES LTD.

by

H. Smith, B.Sc., P.Geo.
March 2011

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INTRODUCTION

The White River property covers a gold prospect located in southwestern Yukon. It is owned 100% by Tarsis Resources Ltd.

This report describes a three phase program that was conducted at the White River property intermittently between June 17 and September 18, 2010. Phase one comprised two days of reconnaissance-scale prospecting by Tarsis personnel. Phase two consisted of a mapping and geochemical sampling program that was conducted by Archer, Cathro & Associates (1981) Limited on behalf of Tarsis. Phase three comprised a one day program of mapping, prospecting and hand trenching by Tarsis. The author participated in phase two, and her Statement of Qualifications appears in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The White River property consists of 168 contiguous mineral claims, which are located on NTS map sheet 115K/01 at latitude 62°5' north and longitude 140°19' west (Figure 1). The property covers an area of approximately 3400 ha (34 sq km). The claims are registered with the Whitehorse Mining Recorder in the name of Tarsis. 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>
WHITE 1-48	YD58745-YD58792	June 23, 2011
49-168	YD29909- YD30028	September 8, 2011

* Expiry date does not include 2010 work that has not yet been filed for assessment credit.

The White River property is located 12 km northeast of the White River Lodge at Mile 1129 on the Alaska Highway. In 2010, Phase one and two work was performed with daily setouts and pickups by a Hughes 500D helicopter operated by Fireweed Helicopter Limited from a temporary base at the lodge. Phase three was performed via daily setouts and pickups by a Bell 206B helicopter owned and operated by Trans North Turbo Air Limited from its year round base in Haines Junction.

HISTORY AND PREVIOUS WORK

The White River property does not cover any known Minfile occurrences. The only record of previously reported work on the property is from a Geological Survey of Canada (GSC) regional stream sediment sampling program that was conducted in 1986. Seven stream sediment samples were collected from creeks draining the current White River property. These samples returned peak values of 9 ppb gold, 132 ppm arsenic, 0.1 ppm silver and 101 ppm copper (Friske *et al.*, 1986).

In 2009, the GSC and Yukon Geological Survey (YGS) flew helicopter-borne magnetic and radiometric geophysical surveys over a large area in western Yukon. This survey included the area now covered by the White River property.

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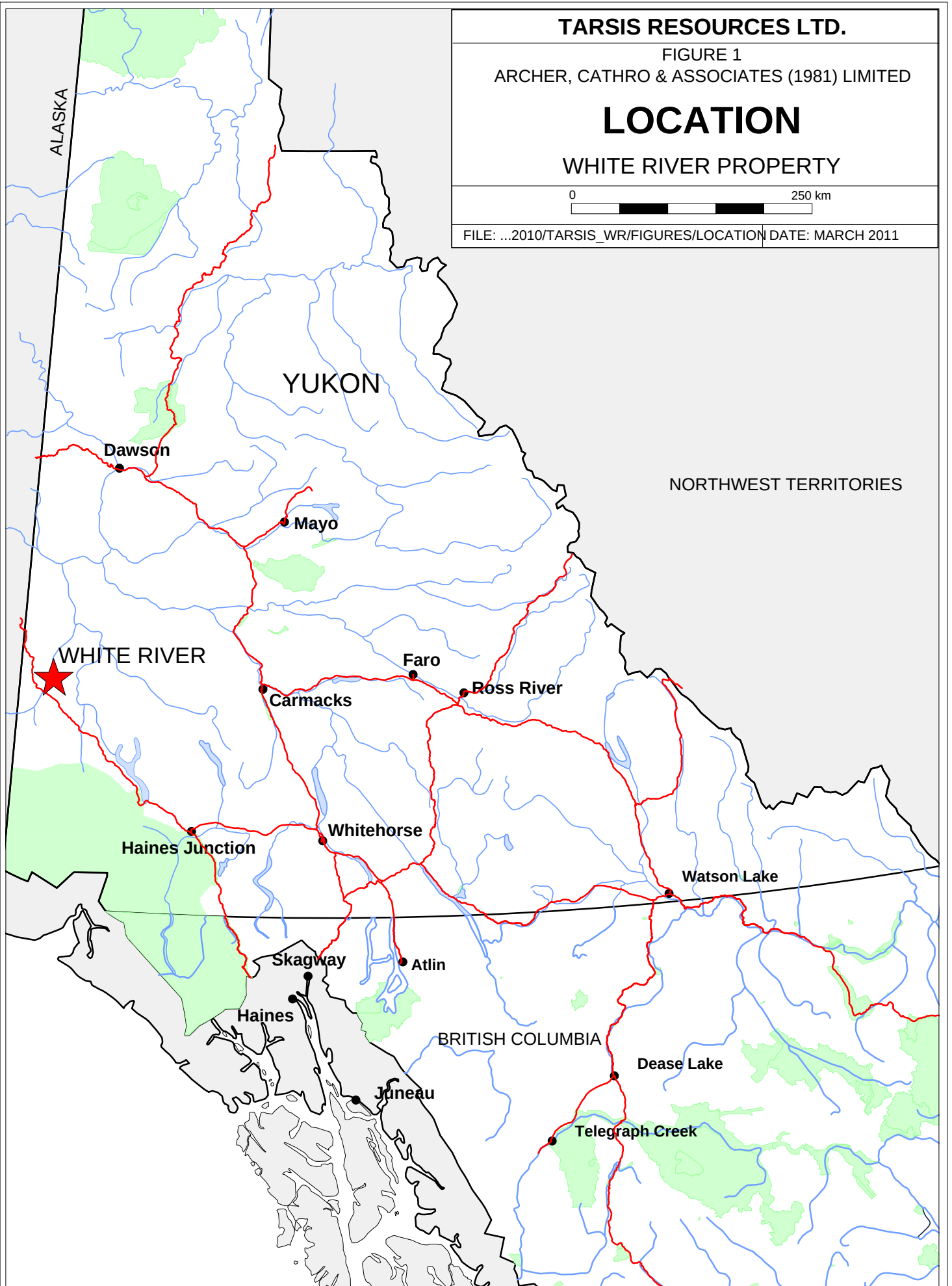
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

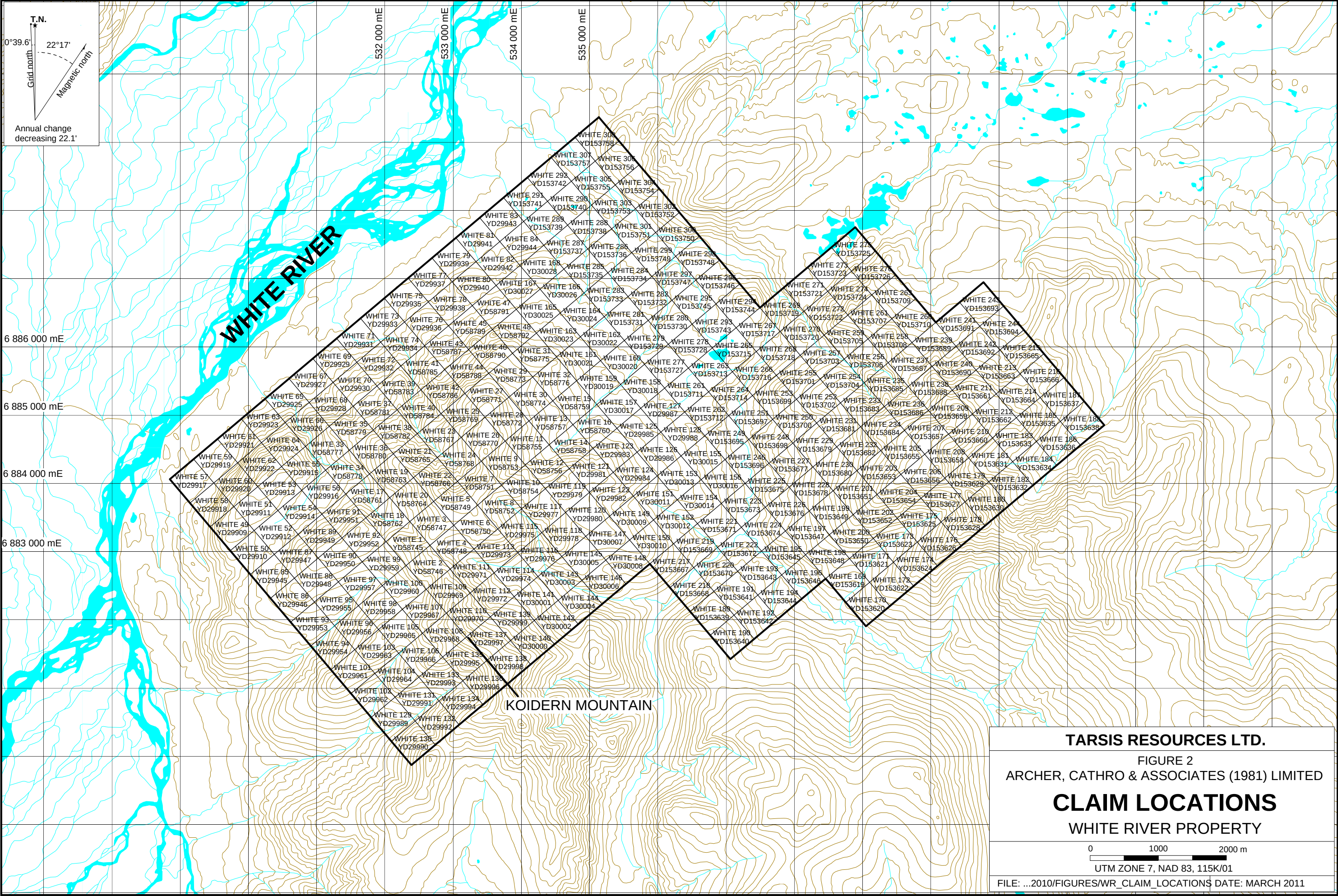
LOCATION

WHITE RIVER PROPERTY

0 250 km

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FIGURE 2
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS
WHITE RIVER PROPERTY

0 1000 2000 m
UTM ZONE 7, NAD 83, 115K/01
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Tarsis staked the White 1-48 claims in June 2010 and staked the White 49-168 claims in August 2010 following positive results from Phase one and two work.

GEOMORPHOLOGY AND CLIMATE

The White River property lies immediately south of the White River on the Kluane Plateau in the northern part of the Ruby Range. The property is about 12 km northeast of the Shawkak Valley. Koidern Mountain lies in the southwestern part of the property. Elevations range from 650 m near the White River to 1650 m atop Koidern Mountain (Figure 2).



View looking north towards the White River.

The area has been affected by at least three separate glacial events. The first glacial episode occurred in Pleistocene to early Pliocene (ca. 3 Ma) and only affected peaks over 1500 m. The second event occurred in Middle Pleistocene (ca. 200 ka) and affected topography over 900 m. The third episode occurred in the Cordilleran (ca. 22 ka) and affected low-lying areas (Duk-Rodkin, 1999).

Volcanic ash is a significant component of the soil profile near the White River property. It is believed that between 1450 and 1750 years ago an eruption occurred about 65 km southwest of the property and scattered pumice in two large fans (720 km east and 400 km north, respectively) by prevailing winds. The exact thickness of the pumice layer varies throughout the area, but near the White River property it is up to 60 cm thick in valleys. The pumice layers are often cemented by permafrost and insulated by a thick, widespread moss layer, which hinders conventional soil geochemical techniques.

Vegetation at the White River property consists of stunted black spruce, willow and birch with thick moss in valley bottoms and on lower slopes. Higher elevations are characterized by steep (about 30°) slopes with grass and moss cover. Outcrops occur on most ridge crests and spines and along actively eroding creek cuts.

The climate in the White River area is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are

relatively mild, arctic cold fronts often cover the area and snowfall can occur in any month. The property is mostly snow free from late May to late September.

REGIONAL GEOLOGY

The White River property is located in an area where Slide Mountain Terrane was thrust onto Yukon-Tanana Terrane (Figure 3) prior to 103 Ma. (Murphy, pers comm, 2011). Figure 4 illustrates unpublished 1:50,000 scale mapping by Murphy (2010). The following lithological unit descriptions are based on a compilation done by Gordey and Makepeace (2003) and the recent mapping done by Murphy.

The Yukon-Tanana and Slide Mountain Terranes represent continental arc and back-arc basin sequences that developed along the ancient Pacific margin of North America during late Devonian through Permian (Murphy *et al.*, 2006). Pericratonic rocks of the Yukon-Tanana Terrane and oceanic rocks of the Slide Mountain Terrane in the White River property area are characterized by variably deformed and metamorphosed, lower greenschist to amphibolite facies metasedimentary and metavolcanic rocks and affiliated metaplutonic suites.

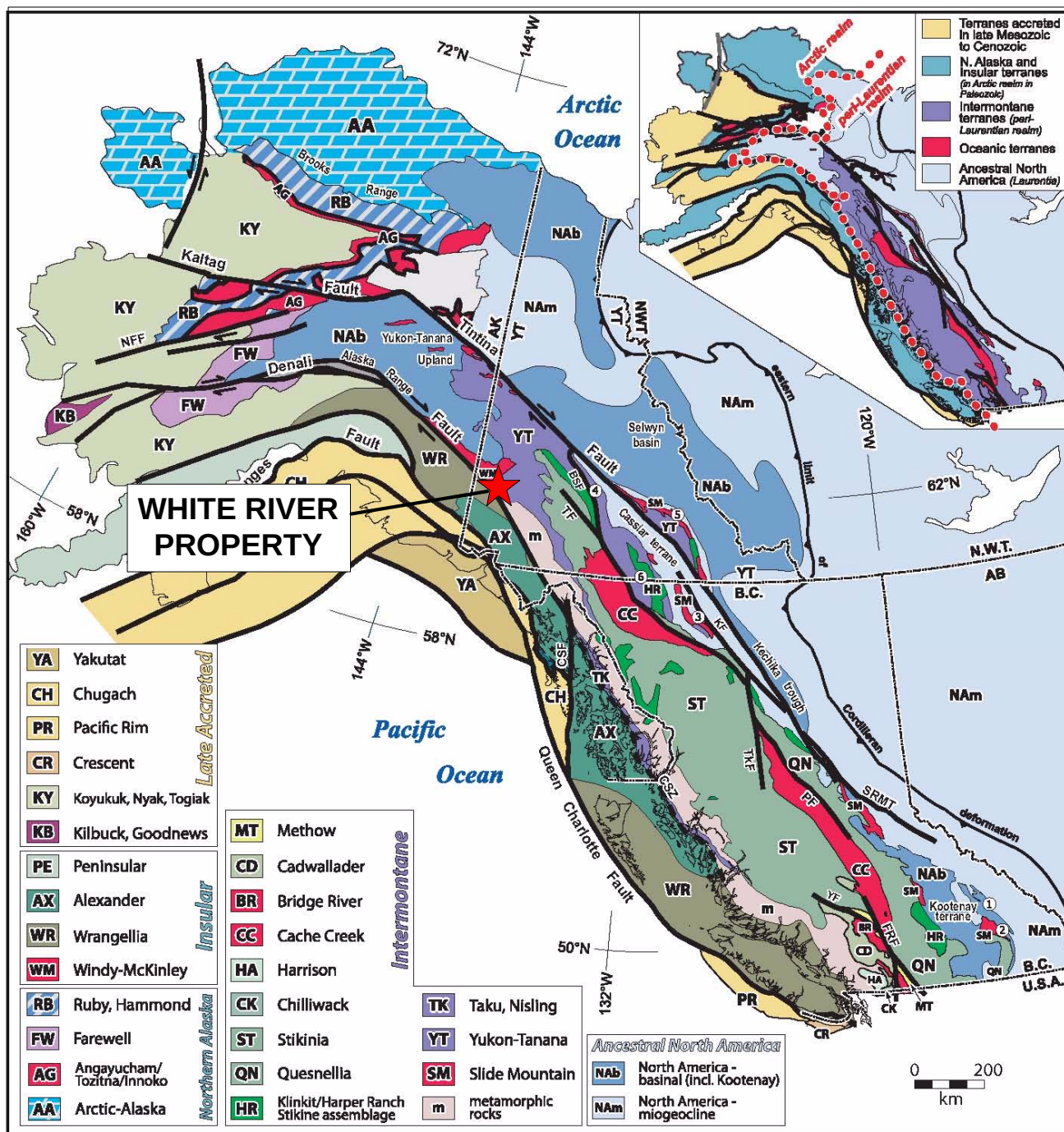
Prior to Late Triassic, the Yukon-Tanana Terrane experienced regional shortening and uplift. This terrane was imbricated with Mid-Paleozoic Slide Mountain Terrane after Late Triassic, and the resultant structural stack was subsequently thrust onto the North American continental margin before Mid-Cretaceous (Murphy *et al.*, 2006).

In the White River property area, the Slide Mountain Terrane comprises three primary units. The first unit is an Early Permian variably foliated diabase or microgabbro, which are typically pristine, but can be foliated (PHG). The second unit is a chert, argillite and greenstone package (PMW). The greenstone bodies may be volcanic or intrusive (dyke or sill), but due to their massive nature, their origin is not known (PMW). The third unit is a medium to coarse-grained hornblende gabbro. This unit has been dated as Late Permian (274 Ma). The gabbro intrudes the diabasic rocks.

The Yukon-Tanana Terrane rocks in this area are composed of Late Proterozoic to Paleozoic Nisling assemblage composed of quartz-psammite schist and metapelitic schist with lesser marble, calc-silicate and amphibolite (PPN3).

The Middle Cretaceous Nisling Range granodiorite (mKgW) intrudes both Slide Mountain and Yukon-Tanana terranes. It comprises: biotite-hornblende granodiorite; hornblende-quartz diorite and hornblende diorite; and leucocratic, biotite-hornblende granodiorite.

A large northwest trending dextral strike-slip fault runs through the centre of the White River property. This fault juxtaposes Slide Mountain and Yukon-Tanana Terrane. There are at least three thrust faults in the vicinity of the White River property.



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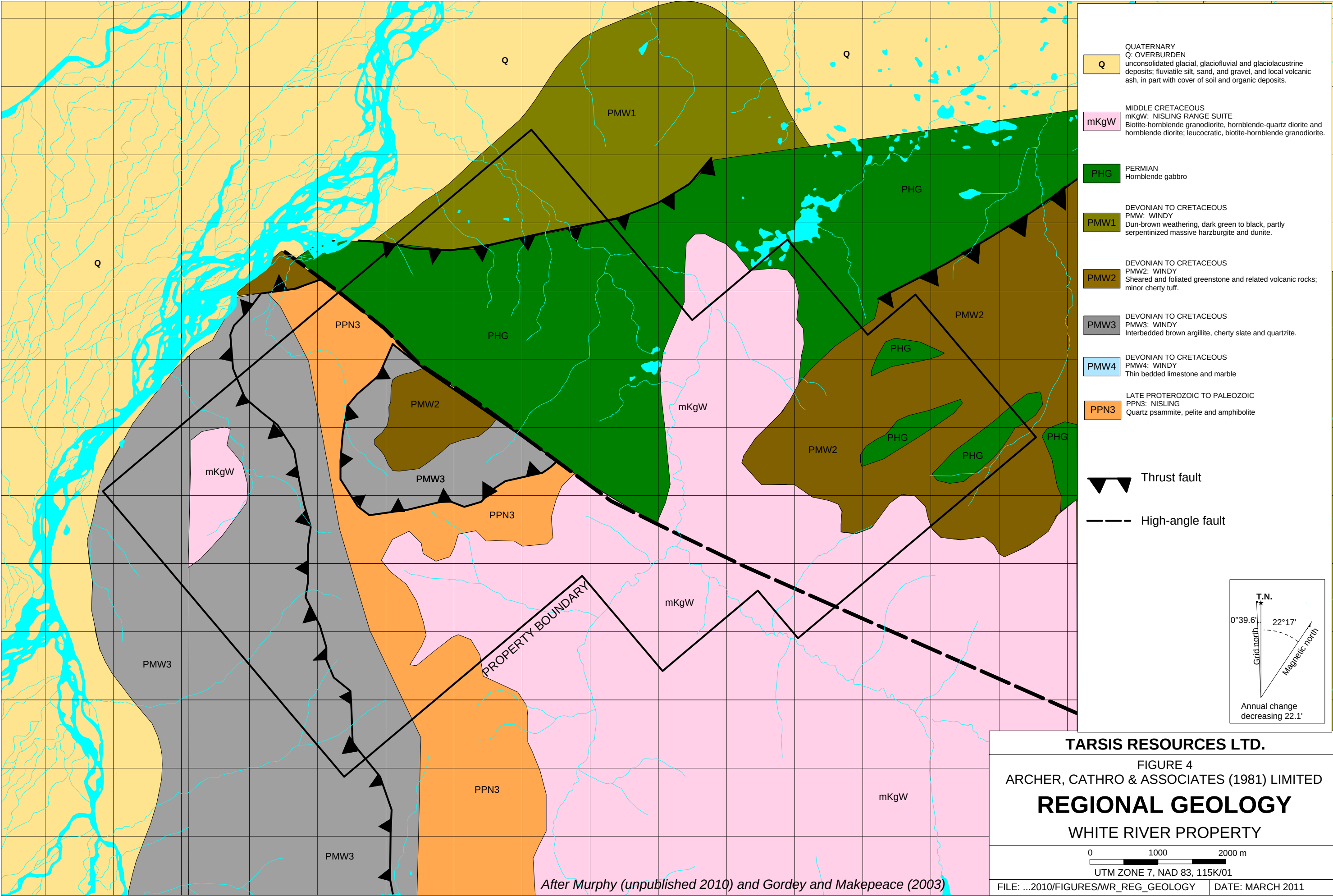
FIGURE 3
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

WHITE RIVER PROPERTY

UTM ZONE 7, NAD 83, 115K/01

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PROPERTY GEOLOGY

During summer 2010 a two person crew performed one day of 1:5,000 scale mapping on the White River property (Figure 5). Unit names remain consistent from regional- to property-scale mapping. No detailed unit descriptions were provided to the author.

Based on the limited amount of mapping the following observations have been made:

- 1) Carbonate veins occur only on the east side of the high angle strike-slip fault.
- 2) Gossanous areas were identified within PMW1, PMW3 and PHG.
- 3) Feldspar porphyry dykes intrude PMW1, PMW3 and PHG.
- 4) A quartz-feldspar porphyry dyke that intrudes PMW1 and PMW3 is oriented approximately parallel to a small northwest-trending fault.

The relationship between the feldspar porphyry dykes and gossanous areas has not been determined.

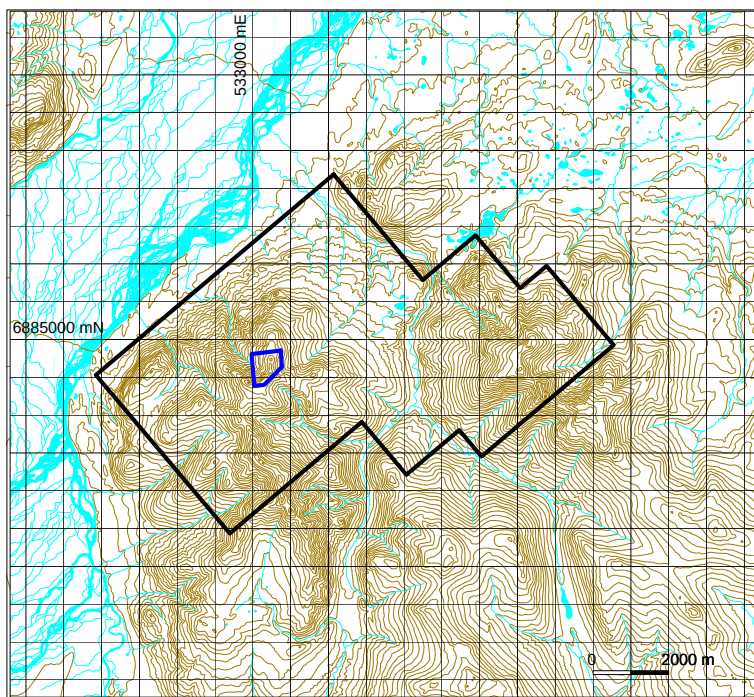
MINERALIZATION AND ROCK GEOCHEMISTRY

There is no record of previous mineralization on the White River property. The following descriptions are based on observations made by Dr. Phil Seccombe during a one day visit to the property in June 2010.

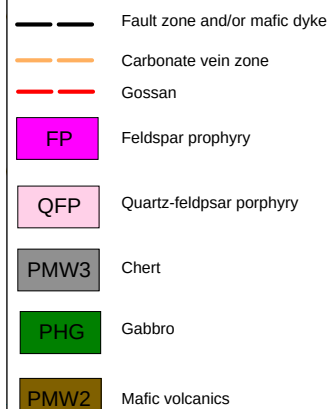
Mineralization appears to be structurally controlled and related to steep, east-west trending brittle structures developed in metasediments (PPN3, PMW2, and PMW3) and mafic volcanics (PMW1) immediately south of a diorite pluton, which also exhibits monzonite and gabbro (PHG) phases. Several broad zones of close-spaced fracture sets and veins with strong silicification in the host rocks are located on ridge crests and within a northwest-facing cirque. Pyrite is the most abundant sulphide in these zones. Weathering of primary sulphides in the vein systems gives rise to strong development of red-brown limonite, gossanous limonite boxworks and accompanying jarosite. Colloform, crustiform, bladed and open-space textures in the veins, together with abundant quartz and carbonate all suggest that mineral assemblages have formed within an epithermal environment.



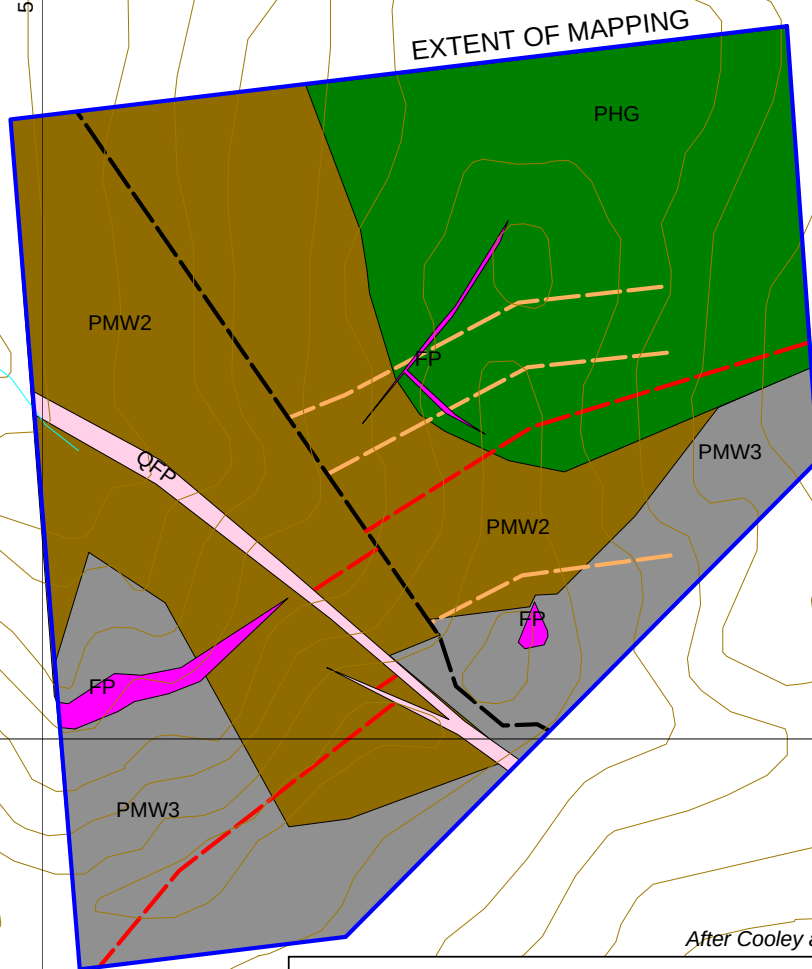
Minor chalcopyrite accompanies pyrrhotite-quartz-actinolite within the intrusion, while



6884000 mN



533000 mE



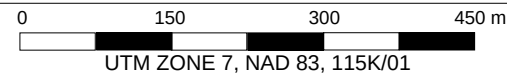
After Cooley and Cobbett (2010)

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FIGURE 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY

WHITE RIVER PROPERTY



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DATE: MARCH 2011

dispersed pyrrhotite was noted in quartz-feldspar dykes on the property. These styles of mineralization are unlikely to be related to the epithermal veins and may represent a higher temperature mesothermal style of mineralization that preceded epithermal activity.

Secondary copper mineralization in the form of malachite, azurite and minor chalcocite coats joint surfaces in silicified and chloritized diorite, within 50 m of the southern contact of the intrusion. The source of the copper is open to question, but it may represent remobilization of mesothermal porphyry-style mineralization hosted by the intrusion.

Thin section analysis completed on a number of hand specimens collected from the property identified abundant tourmaline, which supports an intrusive origin for the mineralization on the property (Blythe, pers. comm, 2011).

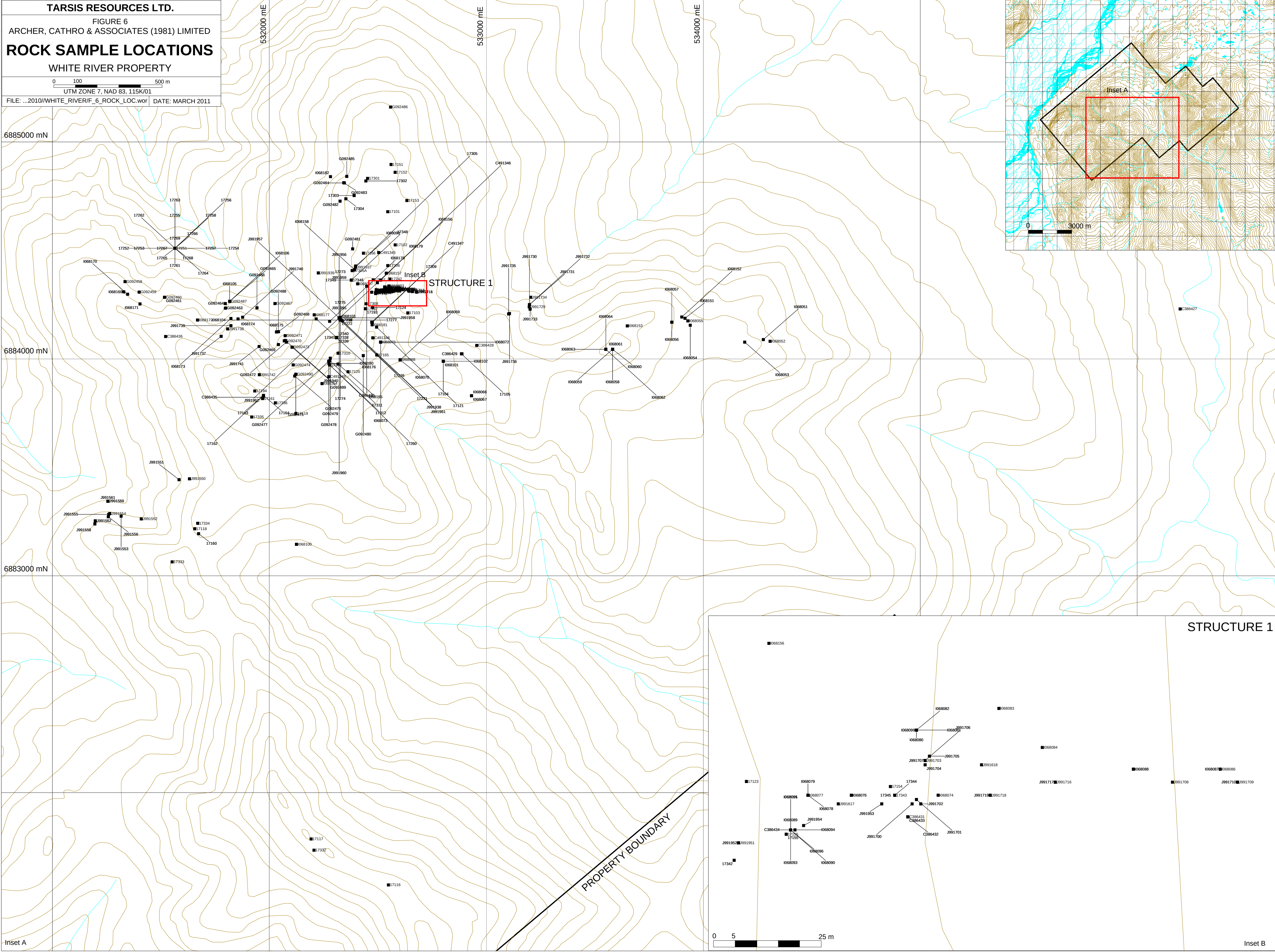
In 2010, 282 rock samples were collected from the White River property and assayed. Rock sample descriptions appear in Appendix II and Certificates of Analysis are provided in Appendix III. Rock sample locations from 2010 are shown on Figure 6, while thematic data for gold, arsenic, silver and copper are illustrated on Figures 7, 8, 9 and 10, respectively.

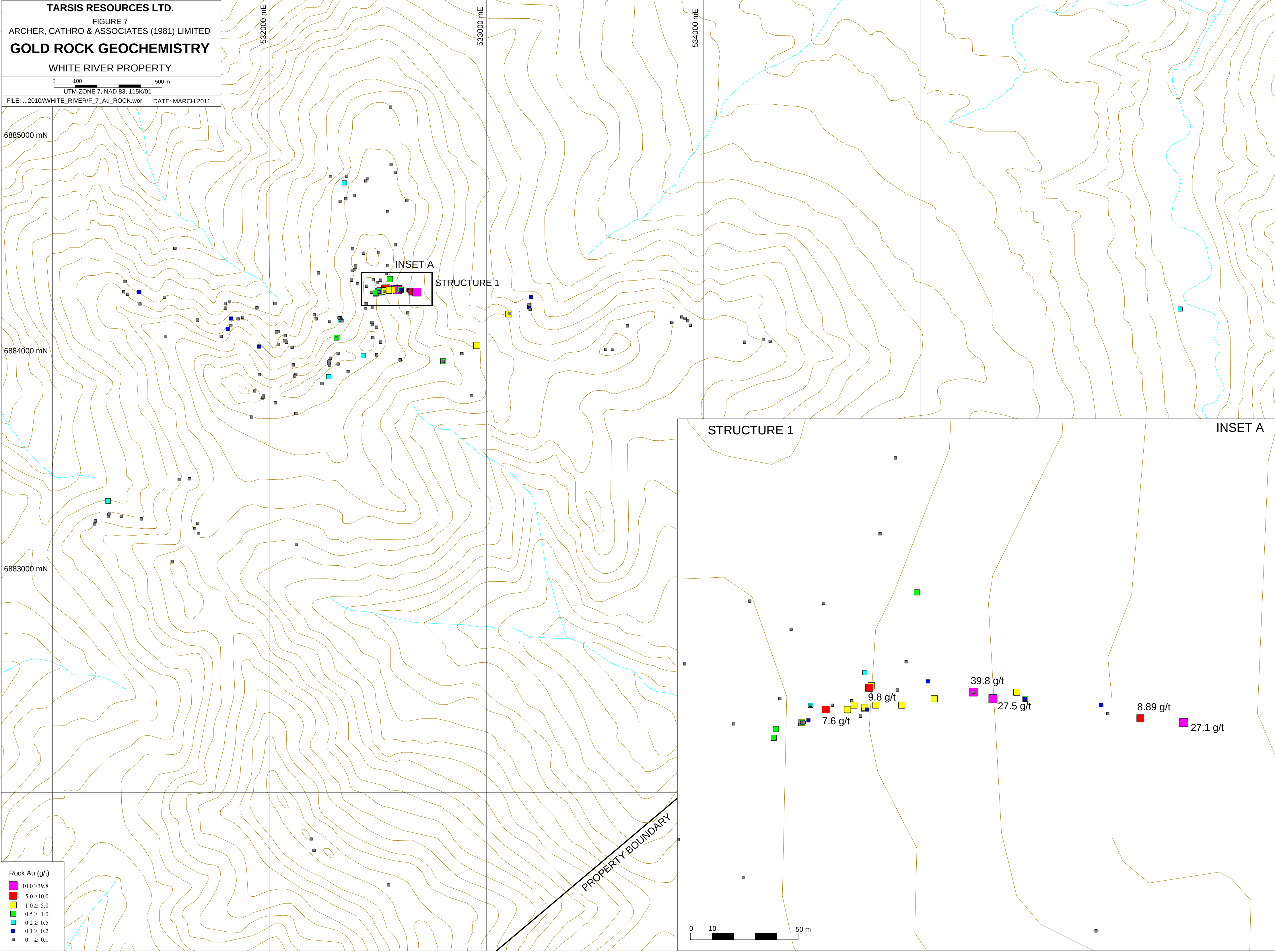
Rock sample sites on the property were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit. Multi-element analyses for rock samples were carried out at ALS Chemex in North Vancouver, B.C. The samples were dried, fine crushed to better than 70% passing -2mm and then a 250 g split was pulverized to better than 85% passing 75 micron. All samples were initially analyzed for gold by fire assay followed by atomic absorption (Au-AA23) and ore grade samples were analyzed by fire assay and gravimetric finish (Au-GRA21). Some samples were analyzed for 35 other elements by inductively coupled plasma-atomic emission spectroscopy (ME-ICP41) while other samples were analyzed for 48 other elements using a four acid digestion (ME-MS61). Samples with ore grade values for silver and copper were further analyzed by aqua regia digestion (Ag/Cu-OG46).

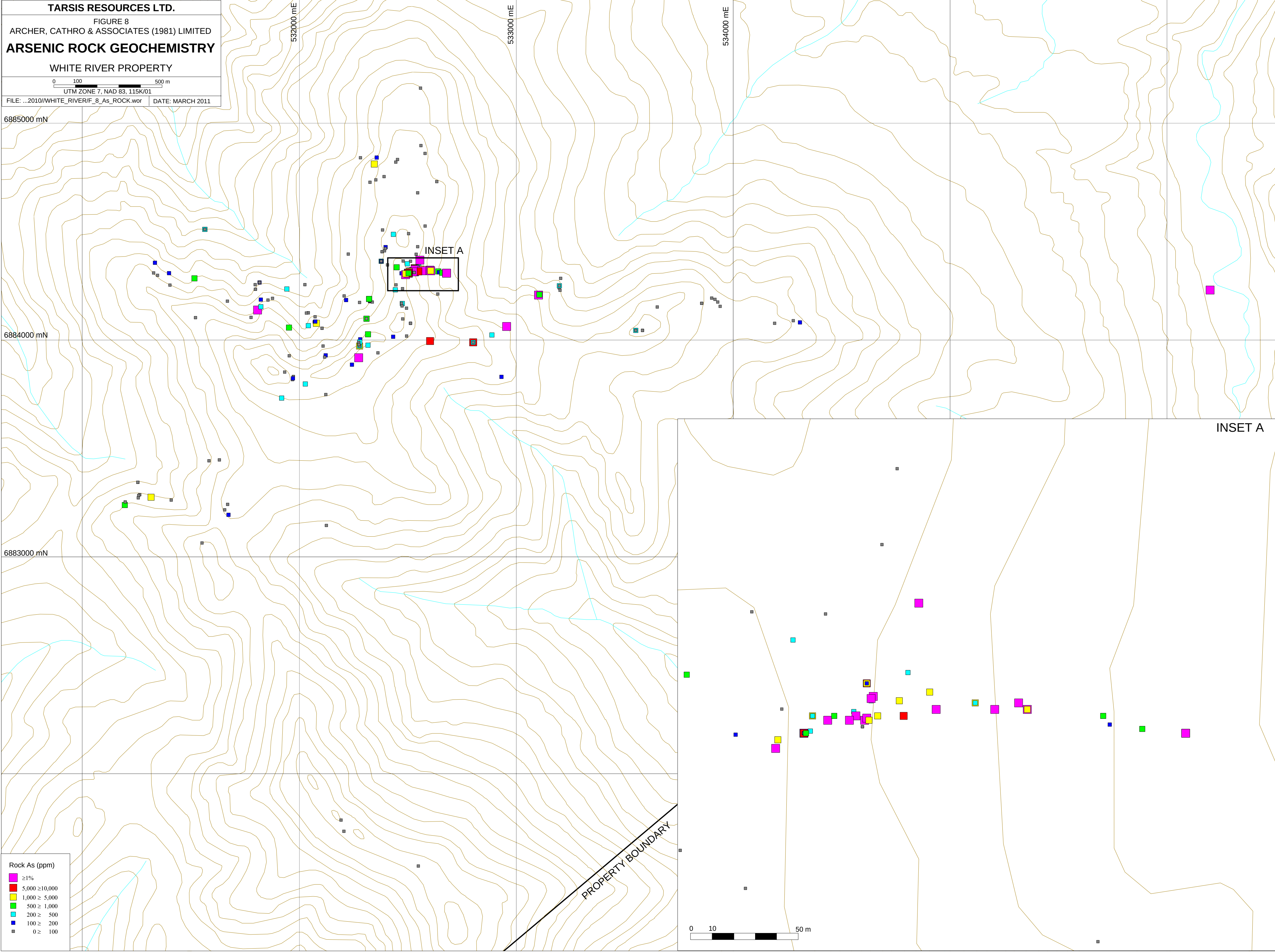
The rock samples were all taken from the west-central part of the property. Results from this sampling were very encouraging, especially those from samples collected from an east-west trending structure (Structure 1). Rock samples collected from Structure 1 returned values for gold up to 39.8 g/t, arsenic greater than 1%, silver up to 1310 g/t and copper up to 8.52%.

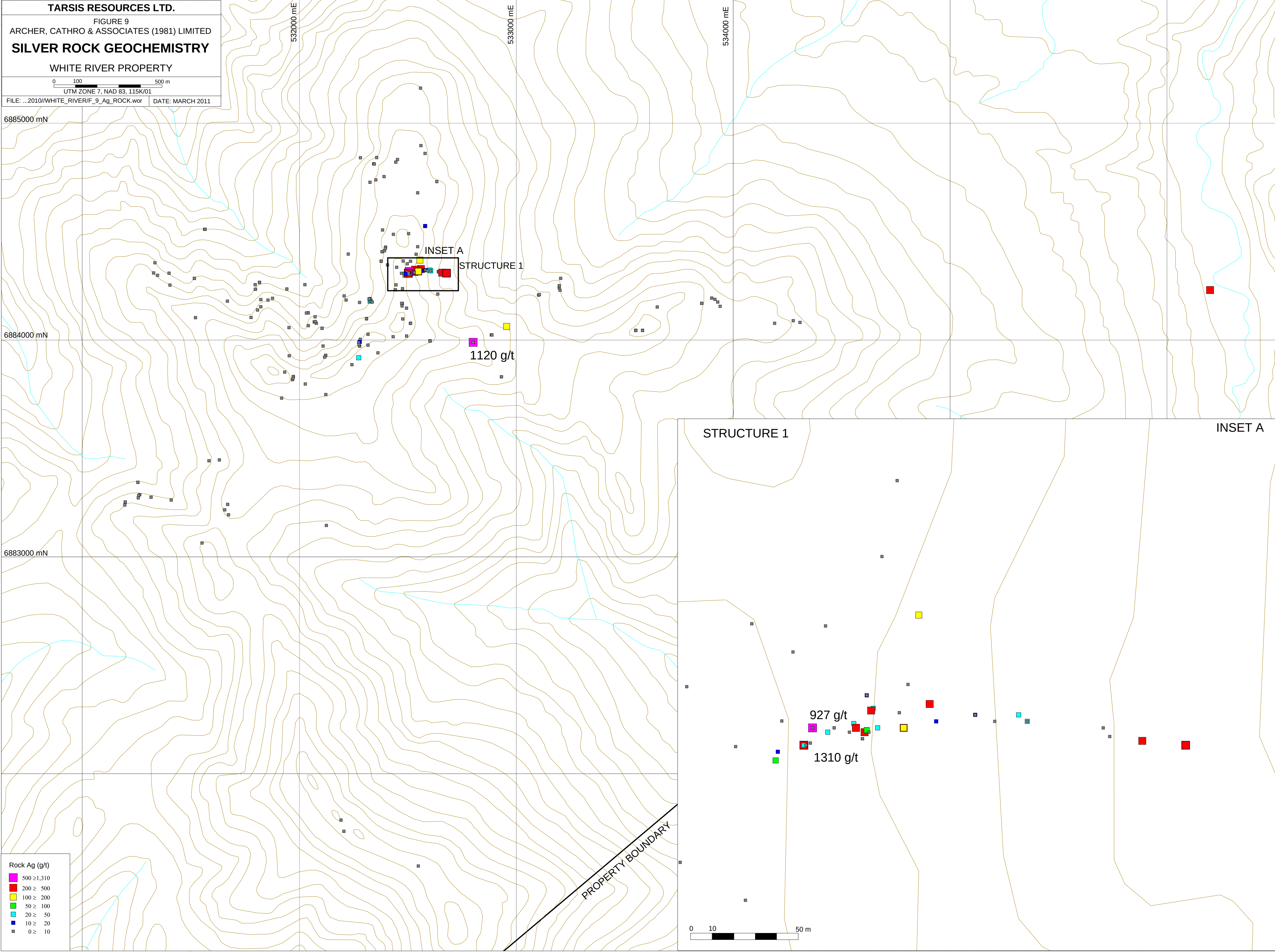
Samples collected from outside Structure 1 returned background to moderately anomalous gold, background to strongly anomalous arsenic, background to strongly anomalous silver and background to strongly anomalous copper. In general, there is little to no clustering of anomalous values outside of Structure 1; however, a string of samples collected on a northeast trending ridge about 300 m south of Structure 1 returned strongly anomalous values for gold (4.89 g/t), arsenic (greater than 1%), silver (1120 g/t) and copper (2.01%).

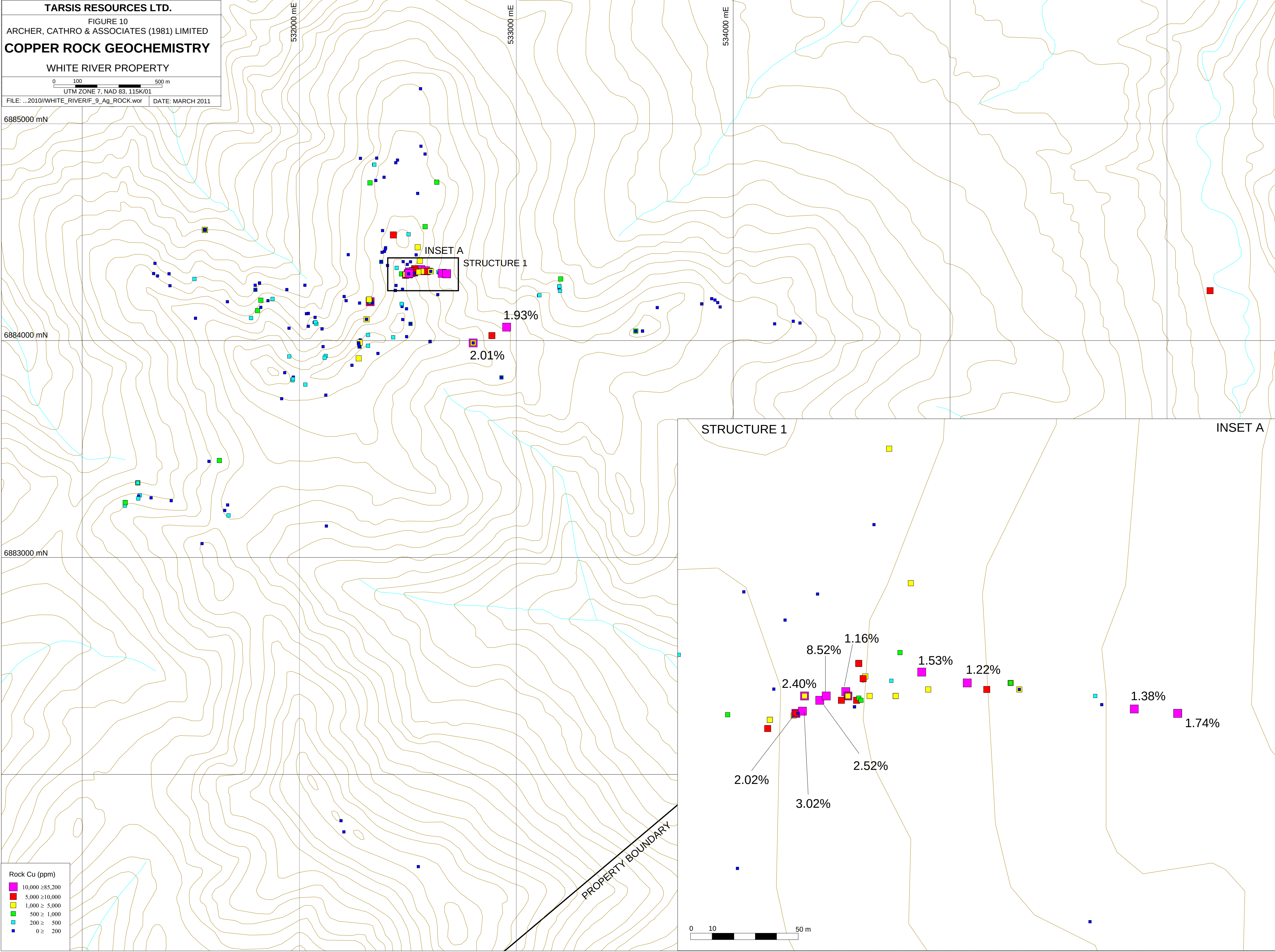
Strongly anomalous values occur in the following rock types: limonitic breccias; epithermal-, mesothermal- and quartz-carbonate-veins; intrusives; and metasediments.











SOIL GEOCHEMISTRY

In 2010, a total of 929 soil samples were taken from a roughly 4200 by 2500 m area in the northwestern part of the property (Figure 11). Results for gold, arsenic, silver and copper are plotted on Figures 12, 13, 14 and 15, respectively. Certificates of Analysis are in Appendix III. Soil samples were collected at either 50 or 100 m spacings on a northeast oriented grid. All 2010 soil sample locations were recorded using hand-held GPS units. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m wooden lath that were driven into the ground. A hand held soil auger was used to collect material from as deep in the soil profile as ground conditions allowed, which was typically about 30 cm depth. Geotuls were used to collect soils on grassy alpine slopes. Samples were placed into individually pre-numbered Kraft paper bags. The soil samples were sent to ALS Chemex, where they were dried, screened to -180 microns, dissolved in aqua regia solution and then analyzed for 35 elements using the inductively coupled plasma with atomic emission spectroscopy technique (ME-ICP41). An additional 50 g charge was further analysed for trace level gold by aqua regia (Au-ST44) and for ore grade gold by aqua regia extraction with inductively coupled plasma-atomic emissions spectroscopy finish (Au-OG44).

Thresholds used for defining soil anomalies are shown in Table I below.

Table I – Soil Sample Thresholds

Element	Background	Weak	Moderate	Strong
Gold (ppb)	$0 \geq 10$	$10 \geq 20$	$20 \geq 100$	$100 \geq 380$
Arsenic (ppm)	$0 \geq 100$	$100 \geq 500$	$500 \geq 1000$	$1000 \geq 4310$
Silver (ppm)	$0 \geq 0.2$	$0.2 \geq 0.5$	$0.5 \geq 1.0$	$1.0 \geq 21.9$
Copper (ppm)	$0 \geq 100$	$100 \geq 200$	$200 \geq 500$	$500 \geq 2320$

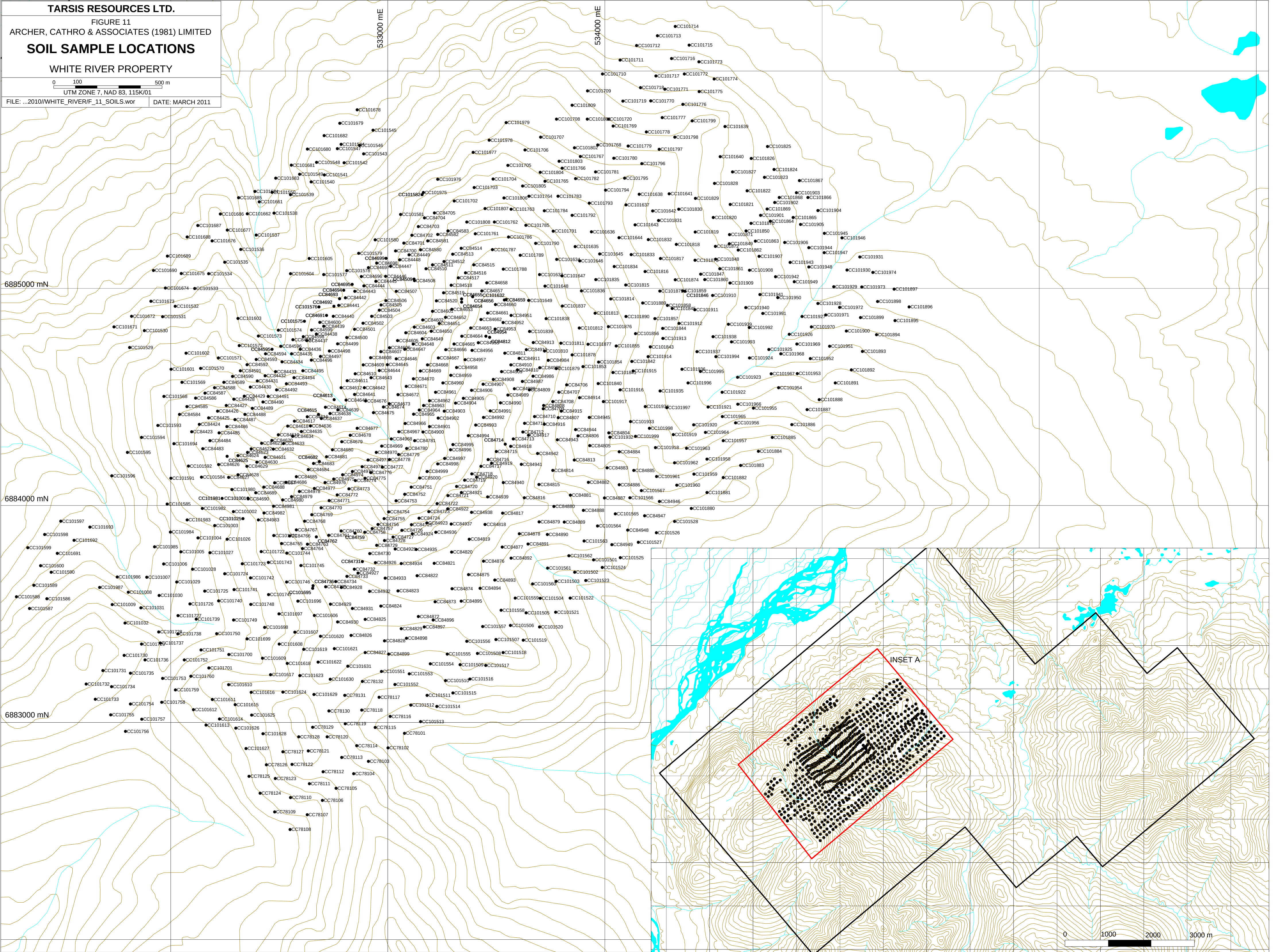
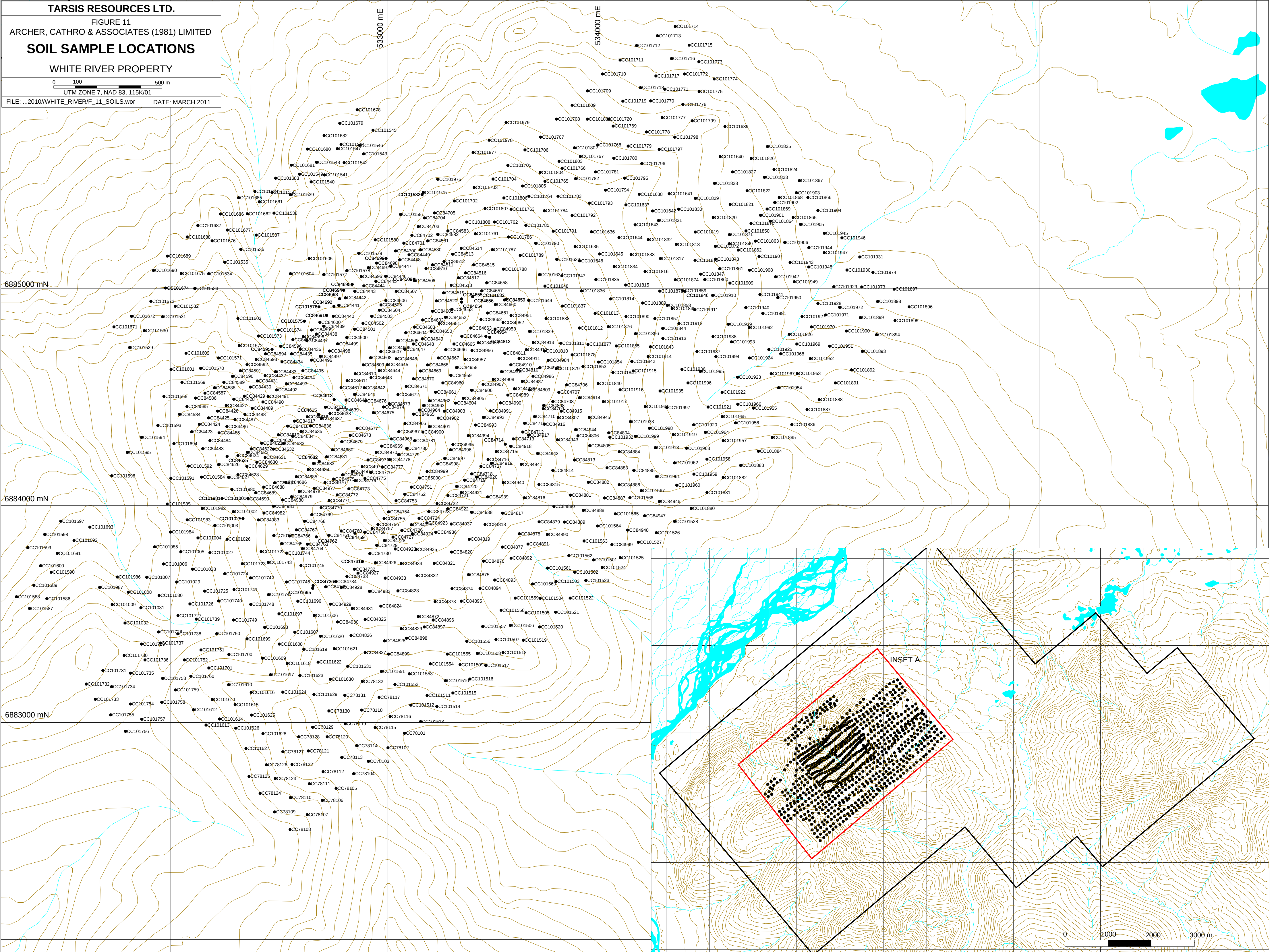
Soil sampling identified three, approximately east-west trending zones (A, B and C) that host moderate to strongly anomalous values for gold, arsenic, silver and copper.

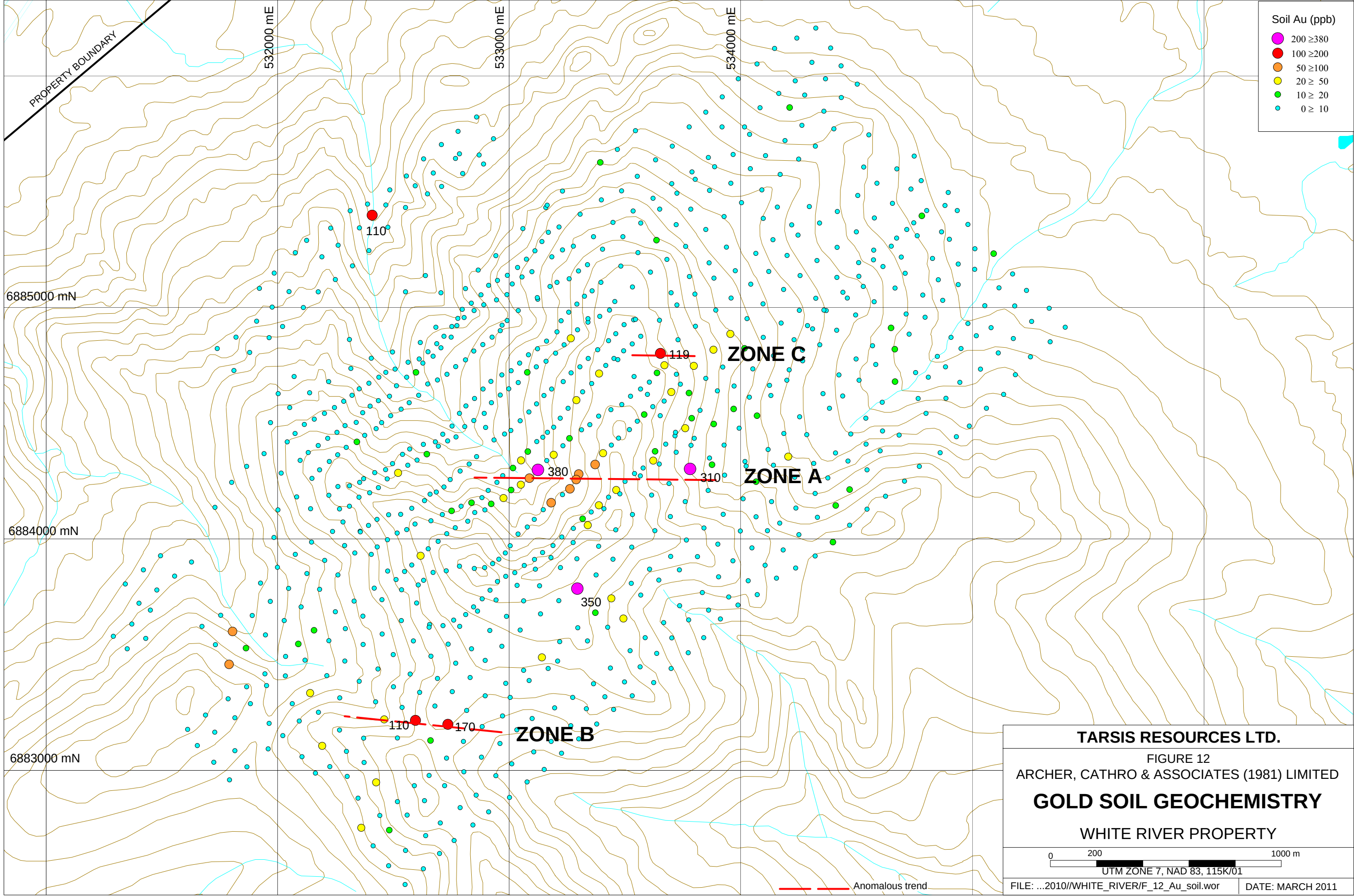
Zone A correlates with Structure 1. It is approximately 1000 m long and comprises background to strongly anomalous values for gold (up to 380 ppb), arsenic (up to 1145 ppm), silver (up to 4.9 ppm) and copper (up to 989 ppm).

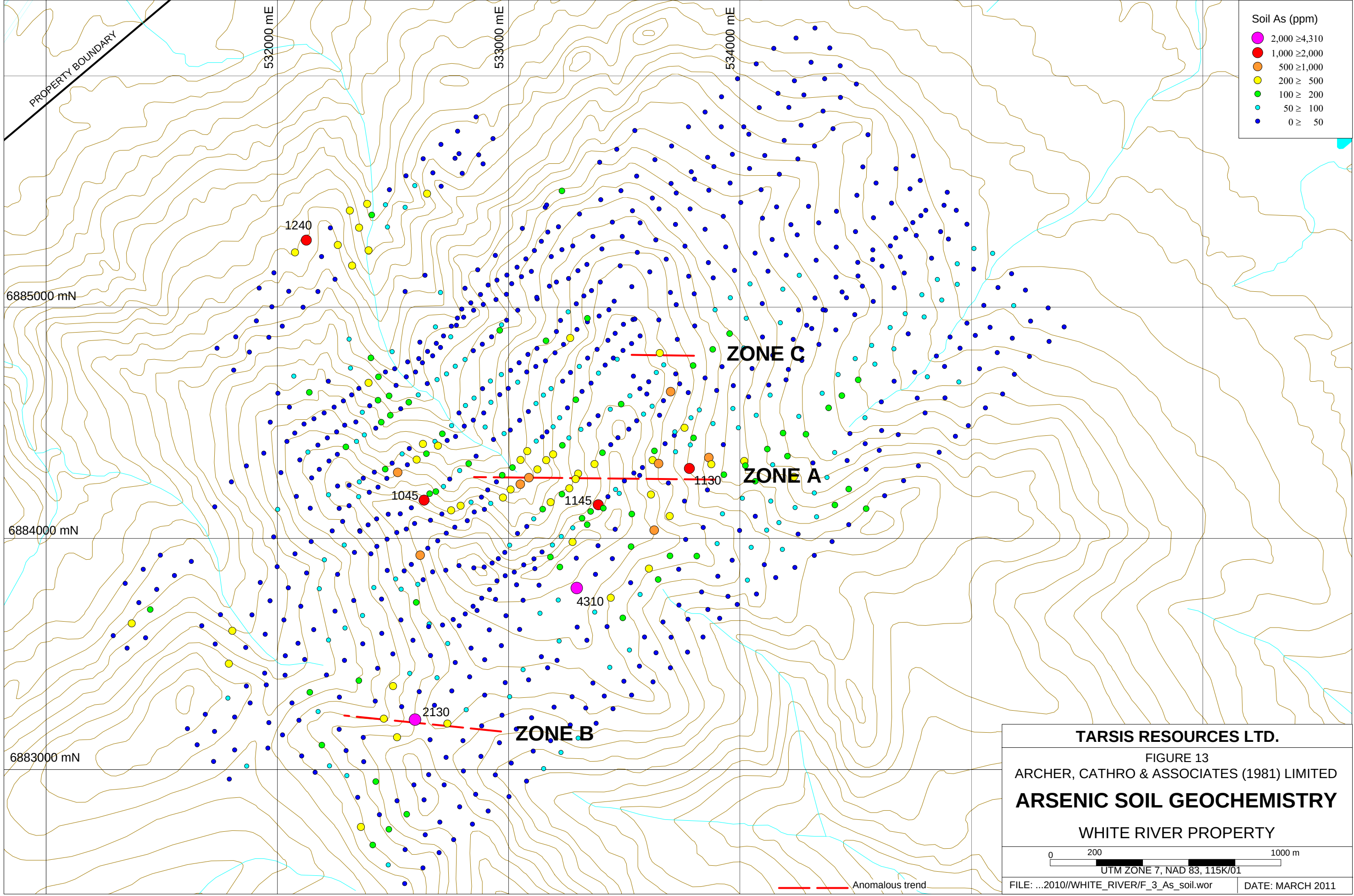
Zone B lies about 1100 m southwest of Zone A. It is about 600 m long and features strongly anomalous gold and arsenic values with moderately anomalous silver and copper values. Peak values within this zone are 170 ppb gold, 2130 ppm arsenic, 0.6 ppm silver and 122 ppm copper.

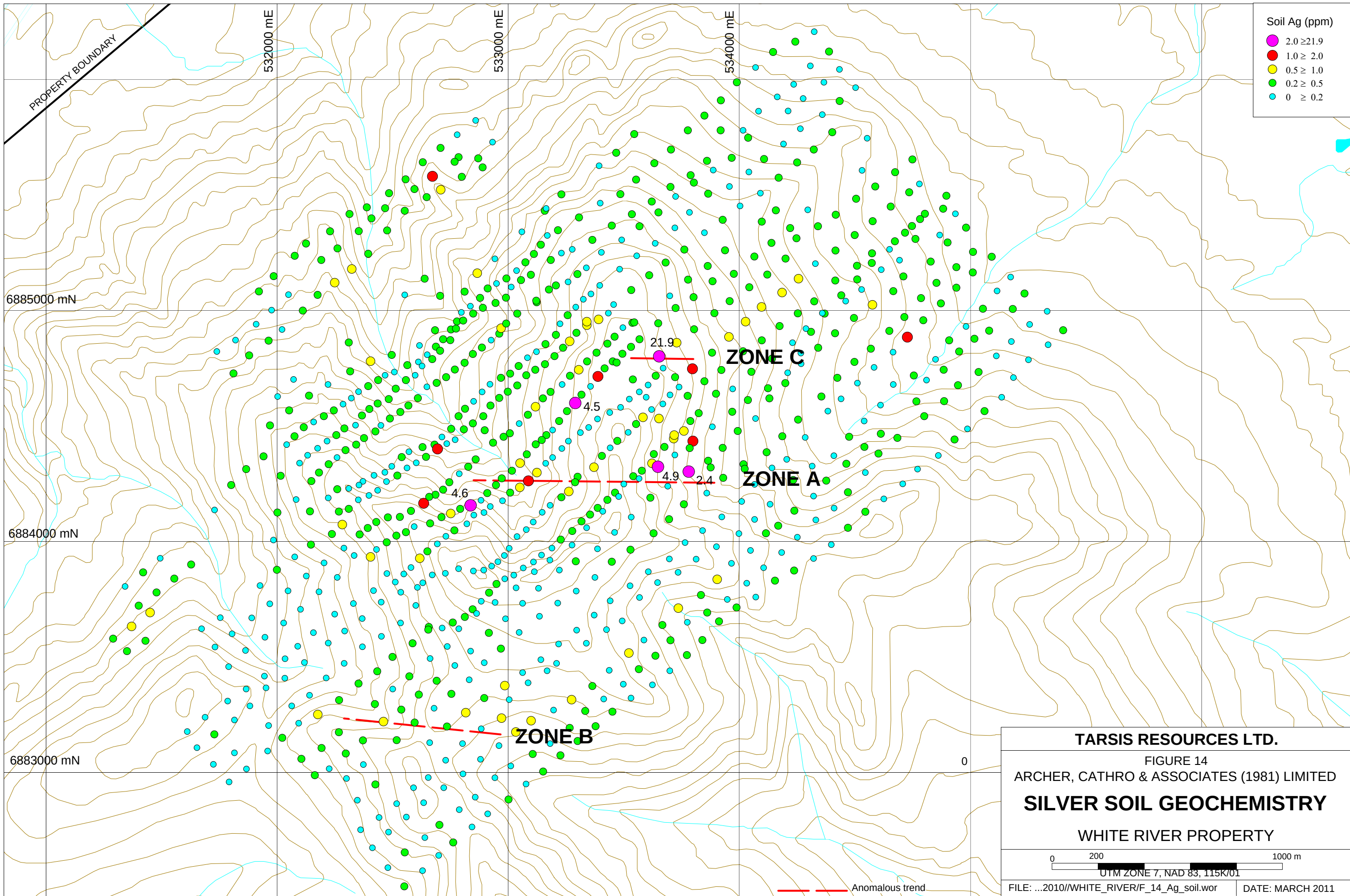
Zone C is located 500 m north of Zone A. It hosts strongly anomalous gold, silver and copper values and moderately anomalous arsenic values. Peak values within this zone are 119 ppb gold, 21.9 ppm silver, 2320 ppm copper and 280 ppm arsenic.

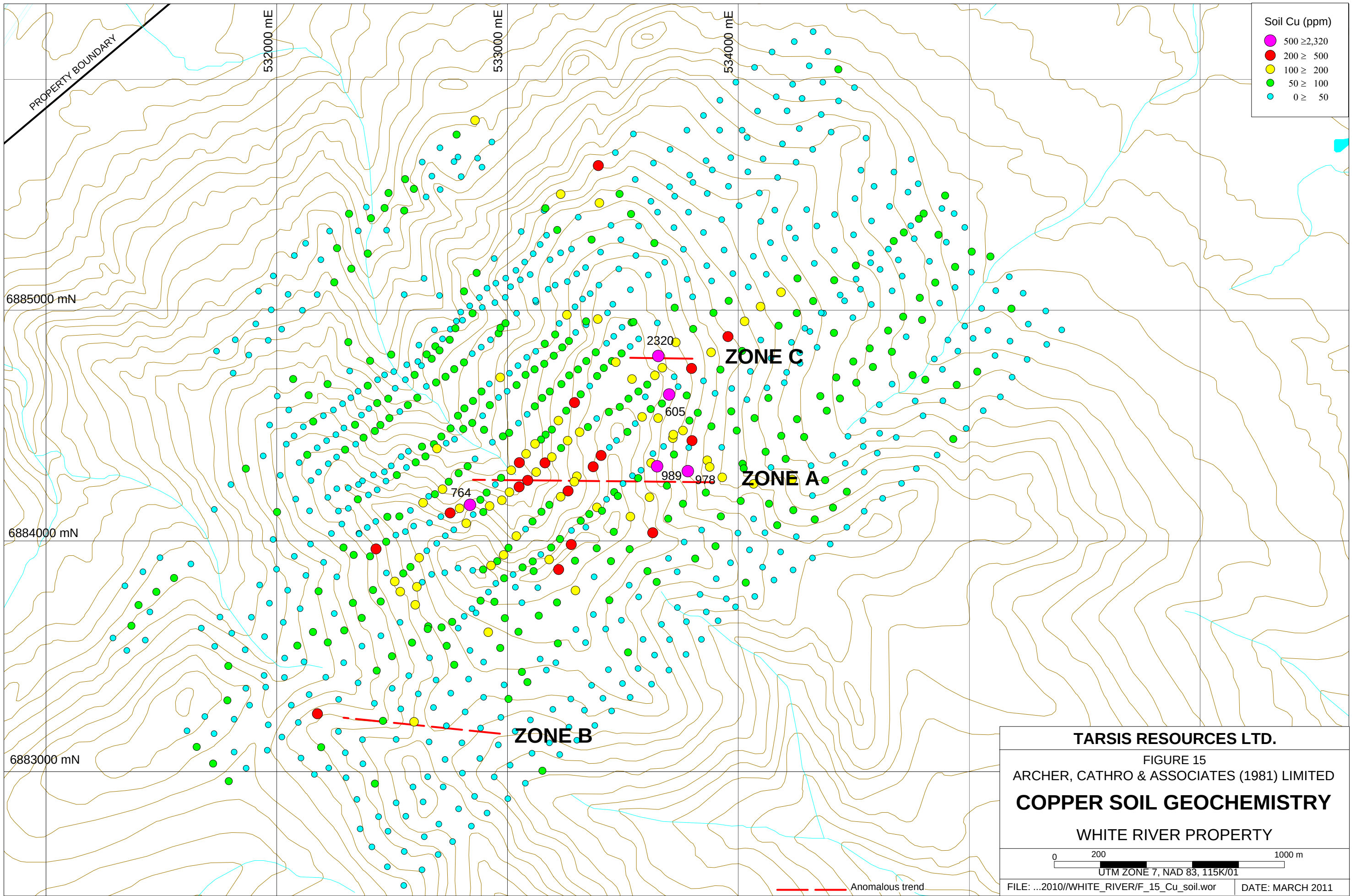
Zones A, B and C appear to correspond to structural zones, which may host shear-, fracture-, fault- or vein-style mineralization.











A number of isolated strongly anomalous values, which do not lie within main east-west trending zones, have also been identified. These samples typically returned coincidentally anomalous values for gold, arsenic, silver and copper. Peak values from isolated anomalies are 350 ppb gold, 4310 ppm arsenic, 4.5 ppm silver and 764 ppm copper.

DISCUSSION AND CONCLUSIONS

Tarsis Resources' exploration program in 2010 was designed to identify the source or sources of a strongly anomalous arsenic anomaly that was identified by a regional-scale stream sediment sampling program conducted by the GSC.

Geochemical sampling done during the 2010 program yielded very encouraging results for gold, arsenic, silver and copper. Based on these results and prospecting discoveries, it appears that mineralization on the White River property may be related to epithermal veins and porphyry-style mineralization. Only a small part of the White River property has been explored to date and there has been no detailed follow up of soil geochemical and prospecting discoveries. These factors coupled with a complex but prospective geological setting suggest that more comprehensive exploration will lead to additional discoveries.

The White River property definitely warrants further exploration. Detailed prospecting and geological mapping should be performed across the property, with particular attention paid to structural zones (Structure 1 and Zones A, B and C) and areas with sulphide mineralization, limonite, malachite and azuile.

Systematic hand or excavator trenching should be completed across Structure 1 and within Zones A, B and C in order to determine the exact sources of the mineralized float and elevated soil geochemical values. Pending favourable results, one or more diamond drill holes are recommended to provide continuous, unbiased sampling across the prospective zones.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

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

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- Murphy, D.C.
2010 Personal communication regarding the White River property.

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 at #604-175 West 1 Street, North Vancouver, British Columbia, V7M 3N9 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 150000).
4. I have personally directed part of the fieldwork reported herein and have interpreted all data resulting from this work.

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

APPENDIX II

ROCK SAMPLE DESCRIPTIONS

2010 White River Property Rock Samples (ME-ICP41)

Sample	Easting	Northing	Description
17101	533546	6884678	Patchy moderate to strong iron-oxide staining along vein/fracture selvages in diorite.
17102	533580	6884525	Strong iron-oxide along fractures in diorite containing minor 1-2mm white quartz veins.
17103	533639	6884212	Small knob of diorite cut by N10W sheeted structures containing weak-moderate quartz veining and iron-oxide staining.
17104	533802	6883989	Strongly silicified diorite cut by quartz veins. Strong iron-oxide with trace pyrite to 1 mm.
17105	533885	6884023	Strong iron-oxide along N30W structure in weakly silicified diorite.
17116	533549	6881575	Hornfelsed(?) banded, crenulated metasediments at contact with quartz diorite intrusive.
17117	533193	6881787	1/2 meter white bull quartz vein trending N75W. Orange-brown iron-oxide staining on fractures.
17118	532656	6883217	Silicified selvages on fracture faces of porphyritic diorite intrusive.
17119	533123	6883748	Silicified metasediments cut by milky 1-2mm quartz veinlets, primarily bedding parallel.
17120	533363	6883941	Milky quartz veins to 5mm, sub-parallel to bedding in chloritized metasediments.
17121	533495	6884146	Strong iron-oxide staining on fracture faces in a N80W sheeted zone in weakly altered (quartz) diorite intrusive.
17122	533472	6884307	Float select of milky quartz veins in a punky limonitic breccia with copper oxides, primarily malachite and azurite in a N80W-trending zone - a dike?
17123	533493	6884319	Anastomosing quartz veins to 1 cm in quartz diorite. General trend is E-W.
17124	533476	6884236	Hairline quartz veins trending S65W in metasediments.
17151	533561	6884896	Chlorite-altered diorite with disseminated py; some chl-qtz-carbonate veining
17152	533580	6884860	Qtz-chl-py vein on diorite talus boulder
17153	533634	6884730	Pyrrhotite-minor cp in actinolite-qtz vein in diorite float
17154	533526	6884318	Malachite on limonitic fracture surface in weathered diorite float; head of NE-trending draw
17155	533502	6884307	Malachite-azurite-chalcocite fracture coatings in sil altered diorite; head of NE-trending draw. Two photos of mineralised structures. Vein orientations: 188/50, 112/20, 163/8C 260/45, 072/65, 064/70, 198/83, 188/55
17160	532674	6883194	Disseminated pyrrhotite in qtz-feldspar porphyry (one of several WNW-trending dykes)
17161	532969	6883817	Limonite boxworks in brittle fractured silicified argillite and phyllite
17162	532973	6883831	Limonite boxworks with jarosite in brittle fractured silicified argillite talus
17163	532973	6883831	Limonite boxworks with jarosite in brittle fractured silicified argillite talus
17164	532973	6883831	Limonite boxworks with jarosite in brittle fractured silicified argillite talus
17165	533495	6884018	Limonite boxworks with jarosite in mafic volcanic outcrop
17166	533434	6884487	Malachite associated with limonite boxworks in gossanous rubble on E-W structure west of mal-azurite-chalcocite showing
17242	533556	6884368	limonitic boulder
17251	532565	6884510	Limonitic boulders - south cirque area
17252	532565	6884510	Limonitic boulders - south cirque area
17253	532565	6884510	boulder collected by Venessa Bennett
17254	532565	6884510	boulder collected by Venessa Bennett
17255	532565	6884510	boulder collected by Venessa Bennett
17256	532565	6884510	boulder collected by Venessa Bennett
17257	532565	6884510	boulder collected by Venessa Bennett
17258	532565	6884510	boulder collected by Venessa Bennett
17259	533278	6883972	Vein gouge beside 3m wide quartz vein, sampled over 1m width, looks yellow possible scorodite
17260	533278	6883972	thin quartz veining sampled beside 3m qtz vein
17261	532565	6884510	South cirque sampling by Venessa Bennett and Phil Seccombe, limonitic rocks and quartz veining with joint sets in it
17262	532565	6884510	South cirque sampling by Venessa Bennett and Phil Seccombe, limonitic rocks and quartz veining with joint sets in it
17263	532565	6884510	South cirque sampling by Venessa Bennett and Phil Seccombe, limonitic rocks and quartz veining with joint sets in it
17264	532565	6884510	South cirque sampling by Venessa Bennett and Phil Seccombe, limonitic rocks and quartz veining with joint sets in it
17265	532565	6884510	South cirque sampling by Venessa Bennett and Phil Seccombe, limonitic rocks and quartz veining with joint sets in it
17266	532565	6884510	South cirque sampling by Venessa Bennett and Phil Seccombe, limonitic rocks and quartz veining with joint sets in it
17267	532565	6884510	South cirque sampling by Venessa Bennett and Phil Seccombe, limonitic rocks and quartz veining with joint sets in it
17268	532565	6884510	South cirque sampling by Venessa Bennett and Phil Seccombe, limonitic rocks and quartz veining with joint sets in it
17269	532565	6884510	South cirque sampling by Venessa Bennett and Phil Seccombe, limonitic rocks and quartz veining with joint sets in it
17270	533327	6884179	Bennett's Gossan showing, limonitic material with quartz, sulphosalts and visible Cu mineralization

2010 White River Property Rock Samples (ME-ICP41)

Sample	Easting	Northing	Description
17271	533327	6884179	Bennett's Gossan showing, limonitic material with quartz, sulphosalts and visible Cu mineralization, very rusty small rock
17272	533327	6884179	Bennett's Gossan showing, limonitic material with quartz, sulphosalts and visible Cu mineralization, very rusty small rock
17273	533327	6884179	Bennett's Gossan showing, limonitic material with quartz, sulphosalts and visible Cu mineralization, very rusty, lots of visible malachite
17274	533327	6884179	Bennett's Gossan showing, limonitic material with quartz, sulphosalts malachite and Fe staining
17275	533327	6884179	Bennett's Gossan showing, light yellow colour with large quartz crystals
17276	533327	6884179	Bennett's Gossan showing, Fe rich heavy large boulder with sulphosalts and malachite
17277	533327	6884179	Bennett's Gossan showing, Fe rich rock with yellow sulphosalts
17301	533453	6884832	rusty quartz vein in volcanics
17302	533445	6884820	rusty frost boil sample
17303	533391	6884753	magmatic magnetite/pyrrhotite in volcanics
17304	533353	6884738	rusty hydrothermal veining
17305	533382	6884407	hydrothermal veining with Fe staining
17307	533479	6884364	hydrothermal veining with calcite and quartz plus Fe
17308	533446	6884254	silicified veining with hydrothermal epidote (?) and magnetite/pyrrhotite
17309	533475	6884168	rusty quartz calcite veining
17310	533317	6884026	Fe sulphide in vein
17311	533279	6883991	sericite clay alteration plus Fe
17312	533278	6883972	3m wide bull quartz vein trends E-W, steep dipping
17332	533206	6881735	bucky quartz near meta sed
17333	532552	6883064	Aplite dyke bleached with minor pyrite and boxwork
17334	532670	6883242	Rusty quartz vein with minor sulphides
17335	532919	6883732	Rusty vuggy quartz
17336	533028	6883797	Rusty quartz vein - breccia texture (?)
17337	533310	6884098	Sulphosalts in south cirque near top
17338	533310	6884098	vein sulphides same location
17339	533310	6884098	vein sulphides same location
17340	533310	6884098	vein material
17341	533310	6884098	Fe rich vein material
17342	533490	6884301	Rusty vein gouge near copper showing
17343	533527	6884316	malachite on intrusive rock
17344	533527	6884316	limonite on intrusive rock
17345	533527	6884316	limonite on intrusive rock, possible arsenic/scorodite
17346	533378	6884363	Limonitic vein
17347	533378	6884363	limonitic quartz
17348	533378	6884363	limonitic quartz
17349	533378	6884363	limonitic quartz
G092458	532335	6884356	Rusty metaseds
G092459	532400	6884308	Rusty metaseds plus qtz with open space voids and gouge
G092460	532517	6884284	Rusty selvage on qtz vein beside intrusive
G092461	532517	6884284	orange/yellow weathering metaseds minor limonite veining and minor qtz
G092462	532798	6884234	Rusty metaseds with voids and boxwork
G092463	532798	6884234	Yellow vein gouge on metaseds with qtz vein and scorodite (?)
G092464	532797	6884255	Vein material on metaseds, rusty gougy and scorodite
G092465	532817	6884265	Rusty veining in metaseds
G092466	532943	6884235	Gougy rusty pebble
G092467	533026	6884255	Creek junction - rusty boulder with limonite and minor sulphides (calcite veining nearby)
G092468	533042	6884125	rusty qtz vein with scorodite
G092469	533042	6884066	Rusty gouge (orange) vein in intrusive

2010 White River Property Rock Samples (ME-ICP41)

Sample	Easting	Northing	Description
G092470	533069	6884083	Rusty rock with vuggy silica and calcite
G092471	533073	6884107	Rusty outcrop with gouge and scorodite
G092472	533079	6884077	Rusty outcrop with boxwork and yellow gouge
G092473	533105	6884054	Rusty rock with sulphide
G092474	533110	6883972	Gougy limonitic rusty qtz
G092475	533122	6883929	Rusty limonitic boxwork in qtz
G092476	533117	6883921	Siliceous limonite very rusty and vuggy
G092477	533274	6883989	Limonite plus yellow gouge
G092478	533274	6883989	Vein material
G092479	533281	6884003	Limonite with qtz and gouge
G092480	533433	6884015	Rusty limonite and yellow/green clay gouge
G092481	533384	6884507	Magnetite with green clay gouge in intrusive/gabbro
G092482	533326	6884727	Rusty weathering on intrusive
G092483	533343	6884812	Intrusive with rusty veining (similar to slab rep with veining), calcite ?
G092484	533346	6884811	Rusty qtz carbonate vein buff orange
G092485	533357	6884841	Rusty weathering vein material (epidote nearby ?)
G092486	533559	6885161	rusty limonitic intrusive
G092489	533105	6884054	Fractured siliceous rock
I068051	535277	6884089	Magnetic Volcanics
I068052	535308	6884081	Volcs
I068053	535191	6884077	Rusty Volcs
I068054	534940	6884155	Quartz with pore space in volcs
I068055	534929	6884175	Vein magnetite plus minor sulphides
I068056	534855	6884169	Silicified metaseds with limonitic gouge/pore space
I068057	534855	6884169	Silicified metaseds with limonitic gouge/pore space
I068058	534582	6884044	Limonitic veins in rusty volcs
I068059	534582	6884044	Limonitic veins in rusty volcs plus quartz
I068060	534582	6884044	Limonitic veins in rusty volcs plus quartz
I068061	534551	6884044	Limonitic veins in rusty volcs plus quartz - very rusty
I068062	534551	6884044	Vuggy quartz with pyrite and rusty vein blebs
I068063	534551	6884044	Quartz and black veining
I068064	534551	6884044	Quartz and black veining
I068066	533932	6883830	Limonitic bleached rock with quartz and pore spaces
I068067	533932	6883830	Limonitic bleached rock with quartz and pore spaces
I068068	533603	6883996	Rusty intrusive with sulphide - bag of reps taken
I068069	533603	6883995	Limonite and veining, scorordite (?)
I068070	533603	6883995	Limonite and veining, scorordite (?)
I068071	533513	6884077	Rusty limonite rock with sulphide
I068072	533513	6884077	fresh with fine gr sulphide, chalcopyrite ?
I068073	533513	6884077	fresh with fine gr sulphide, chalcopyrite ?
I068074	533537	6884316	limonite, lots of veining
I068075	533517	6884316	Rusty vuggy silica
I068076	533517	6884316	Sample of intrusive with malachite
I068077	533507	6884316	Limonite
I068078	533507	6884316	Limonite
I068079	533507	6884316	Limonite
I068080	533532	6884331	Limonitic intrusive
I068081	533532	6884331	Limonite

2010 White River Property Rock Samples (ME-ICP41)

Sample	Easting	Northing	Description
I068082	533532	6884331	Limonite
I068083	533551	6884336	Rusty limonitic intrusive - rep taken also
I068084	533561	6884327	Limonite
I068085	533582	6884322	Limonite
I068086	533602	6884322	Limonite
I068087	533602	6884322	Limonite
I068088	533582	6884322	Intrusive with malachite
I068089	533503	6884308	Limonite
I068090	533503	6884308	Limonite
I068091	533503	6884308	Limonite
I068093	533503	6884308	Limonite
I068094	533503	6884308	Limonite
I068095	533503	6884308	Limonite with quartz and bladed calcite
I068096	533503	6884308	Bladed calcite on intrusive with visible sulphide and malachite
I068098	533398	6884428	Rusty calcite in intrusive
I068099	533532	6884331	chalcocite ?
I068151	534916	6884187	sugary qtz stringers in andesite talus
I068152	534901	6884193	sugary qtz flooded andesite
I068153	534650	6884152	trace sulphide in sugary qtz
I068154	533243	6883886	carbonate veining in metaseds with jarosite from outcrop
I068155	533317	6883976	calcite on fractures with minor sulphides from small gossanous outcrop
I068156	533498	6884351	calcite and ankerite veins in metaseds float
I068157	533539	6884395	intrusive with sulphide and jarosite
I068158	533393	6884411	Intrusive with calcite/ankerite veining
I068169	532329	6884309	qtz flooded metaseds outcrop
I068170	532347	6884298	qtz flooded metaseds outcrop
I068171	532404	6884253	chloritically altered metaseds float with pyrrhotite and rusty oxides
I068172	532669	6884179	qtz stringers in andesite with jarosite outcrop
I068173	532823	6884186	pyrite and qtz stringers in metaseds, rusty oxidized float
I068174	532856	6884184	pyrite and qtz stringers in metaseds, rusty oxidized outcrop
I068175	533033	6884124	qtz calcite ankerite float in creek
I068176	533216	6884184	qtz flooded outcrop with minor pyrite in metaseds, rusty and gossanous
I068177	533207	6884203	qtz flooded outcrop with minor pyrite in metaseds, rusty and gossanous beside creek
I068178	533278	6884173	fractured intrusive float with qtz veining and pyrrhotite
I068179	533327	6884191	fractured intrusive float with qtz veining and pyrrhotite oxidized and rusty
I068180	533275	6883979	milky glassy qtz vein - large
I068181	533474	6884157	disseminated pyrite/pyrrhotite in altered volcanics with good oxides
I068182	533282	6884840	coarse grained intrusive outcrop - slightly gossanous
J991550	532632	6883447	Volc rusty angular float with boxwork and scorodite
J991551	532584	6883443	Volc rusty angular float with boxwork and scorodite
J991552	532410	6883262	grey bleached aplitic dyke glassy quartz eyes and pyritic boxwork
J991553	532317	6883275	bleached angular silicified float with silver sulphide veinlets (arsenopyrite ?)
J991554	532265	6883287	rusty bleached clay alteration rock minor boxwork
J991555	532260	6883283	rusty bleached clay alteration rock minor boxwork
J991556	532258	6883272	rusty scorodite stained outcrop with pyrrhotite and boxwork
J991557	532198	6883253	rusty scorodite stained outcrop with gouge (photo)
J991558	532196	6883239	rusty scorodite gouge outcrop photo big scorodite stain
J991559	532256	6883344	orthogneiss silicification with arsenopyrite, rusty

2010 White River Property Rock Samples (ME-ICP41)

Sample	Easting	Northing	Description
J991560	532256	6883344	rusty scorodite gouge outcrop photo big scorodite stain, yellow gouge
J991561	532256	6883344	rusty scorodite gouge outcrop photo big scorodite stain, bornite ?
J991562	532198	6883253	rusty gouge boxwork
J991617	533514	6884314	arsenopyrite and sericite
J991618	533547	6884323	wollastonite ? Scheelite ?
J991700	533531	6884314	Limonite
J991701	533532	6884315	Limonite
J991702	533533	6884314	fine grained limonite/hematite rusty vuggy
J991703	533534	6884324	quartz carbonate breccia veining epithermal textures
J991704	533534	6884323	quartz calcite veining with hematite
J991705	533535	6884325	black veining in fine grained rock
J991706	533534	6884324	quartz carbonate breccia veining epithermal textures
J991707	533534	6884324	scorodite stained vuggy silicified breccia
J991708	533591	6884319	rusty hematite/limonite
J991709	533606	6884319	solid limonitic brecciated rock with vugs
J991710	533606	6884319	crumbly limonite/hematite with calcite
J991711	533641	6884316	Limonite with white clay
J991712	533644	6884312	serpentinite with chalcocite ?
J991713	533659	6884310	vuggy limonitic pebbles with hematite
J991714	533679	6884308	Limonite rusty boxwork
J991715	533679	6884308	metallic sulphide/malachite/sericite
J991716	533564	6884319	carbonate vein with epithermal textures breccia
J991717	533564	6884319	weird sulphide like mineral limonite fractures, breccia
J991718	533549	6884316	limonitic quartz carbonate
J991719	533549	6884316	limonitic veining in sericite and calcite
J991729	534198	6884240	limonitic boulder - breccia ?
J991730	534199	6884250	limonitic and scorodite pieces
J991731	534199	6884250	very rusty limonitic rock
J991732	534199	6884250	very rusty limonitic rock
J991733	534202	6884229	scorodite staining and weathering with clay gouge on limonite
J991734	534205	6884284	rusty limonitic rocks
J991735	534103	6884207	grey/green rocks vuggy bleached
J991736	534107	6884209	rusty vuggy volc with scorodite
J991737	532778	6884104	rusty limonite scorodite rock
J991738	532808	6884138	rusty limonite scorodite rock
J991739	532823	6884153	limonite scorodite stained outcrop
J991740	532877	6884192	limonite scorodite quartz carbonate
J991741	532953	6884057	rusty scorodite and sulphosalts on chert ?
J991742	532954	6883927	limonite vuggy
J991937	533397	6884422	
J991938	533337	6884175	Dyke ?
J991939	533226	6884396	
J991940	533074	6884085	
J991951	533491	6884305	Trench 1 0 - 0.5 meters, brown dark subcrop
J991952	533491	6884305	Trench 1 0.5 - 1.0 meters limonitic subcrop malachite evident
J991953	533524	6884314	Arsenopyrite (?) - semi massive in sericitic alteration
J991954	533506	6884309	Malachite sample on gabbro fractures
J991955	533322	6884189	Trench 2, 7 - 8 meters, VB Gossan

2010 White River Property Rock Samples (ME-ICP41)

Sample	Easting	Northing	Description
J991956	533322	6884189	Trench 2, 6 - 7 meters, VB Gossan
J991957	533322	6884189	Trench 2, 5 - 6 meters, VB Gossan
J991958	533322	6884189	Trench 2, 4 - 5 meters, VB Gossan
J991959	533322	6884189	Trench 2, 3 - 4 meters, VB Gossan
J991960	533322	6884189	Trench 2, 2 - 3 meters, VB Gossan
J991961	533322	6884189	Trench 2, 1 - 2 meters, VB Gossan
J991962	533322	6884189	Trench 2, 0 - 1 meters, VB Gossan

2010 White River Property Rock Samples (ME-MS61)

Sample	Easting	Northing	Description
17155	533502	6884307	Malachite-azurite-chalcocite fracture coatings in sil altered diorite; head of NE-trending draw. Two photos of mineralised structures. Vein orientations: 188/50, 112/20, 163/80, 260/45, 072/65, 064/70, 198/83, 188/55
17190	533327	6884179	gossan zone
17191	533327	6884179	gossan zone
17192	533443	6884231	epi zone
17193	533443	6884231	
17194	532933	6883852	
17195	533327	6884179	gossan, visible sulphide
17196	533327	6884179	gossan
17306	533546	6884430	pyrite/pyrrhotite with bornite/covellite (?) in intrusive (?)
17305A	533382	6884407	hydrothermal veining with Fe staining - cut and submitted in YVR
G092487	532817	6884265	limonitic veining in metaseds
G092488	533042	6884125	porphyry plus sulphide, dyke ?
G092490	533122	6883929	porphyry with sulphides, dyke ?
I068097	533407	6884346	limonite
I068100	533125	6883145	rusty vuggy siliceous rock
I068101	533802	6883989	limonite boxwork, east side of ridge at cu showing
I068102	533802	6883989	azurite/malachite on fracture surfaces
I068103	533327	6884179	breccia texture with qtz carbonate, orange vein and malachite stain, vb gossan
I068104	533327	6884179	brecciated texture with limonite
I068105	532817	6884265	limonite and breccia texture
I068106	532817	6884265	limonite and breccia texture

Rock Sample Descriptions			Project: <u>Tarsis</u>		Property: <u>White River</u>	
Sample Number:	Grid East:	E	Grid North:	N	Type: Specimen	Dimension: 20 x 13 x 16 cm
C491345	UTM:	533504 E	UTM:	6884490 N	Sample Width:	Abundance:
	Elevation:	m				
Comments:	Specimen sample of coarse grained, dark green to grey monzonite with < 8 mm magnetite crystals, chlorite and actinolite. Spotty disseminated mineralization (pyrite and pyrrhotite). Slightly tarnished weathering surface.					
Sample Number:	Grid East:	E	Grid North:	N	Type: Composite	Dimension: 7 pc/2.5 m
C491346	UTM:	533513 E	UTM:	6884363 N	Sample Width:	Abundance:
	Elevation:	m				
Comments:	Composite grab sample composed of seven felsenmeener pieces over 2.5 m. Epithermal quartz-calcite vein exhibiting excellent fluid movement textures and crystal formation. Occassionally has well formed chalcedony (pale to medium blue). Trace pyrite.					
Sample Number:	Grid East:	E	Grid North:	N	Type: Composite	Dimension:
C491347	UTM:	533472 E	UTM:	6884169 N	Sample Width:	Abundance:
	Elevation:	m				
Comments:	Composite chip sample across two metres. Rusty, limonitic weathering surface. Chlorite altered fine grained diabase (?) dyke with hairline pyrite stringers and trace disseminations. Hairline strockwork fractures with pyrite mineralization. Thought to be a continuation of Marc's sample 17124.					
Sample Number:	Grid East:	E	Grid North:	N	Type: Specimen	Dimension: 30 cm
C491348	UTM:	533477 E	UTM:	6884097 N	Sample Width:	Abundance:
	Elevation:	m				
Comments:	Specimen sample from a one metre wide sub-crop exposure in grass. Silica flood (pale grey to clear) with multiple episodes and orientations of fractures. Chlorite alteration on some surfaces, limonite and scorodite on others. Trace black sulphides- sphene shape.					
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
C491349	UTM:	533274 E	UTM:	6883918 N	Sample Width:	Abundance:
	Elevation:	m				
Comments:	Specimen sample from a 1.5 m exposed horizon of pale grey, siliceous quartz flood. Appears bedding parallel, but not confirmed. Fractures are lined with limonite.					
Sample Number:	Grid East:	E	Grid North:	N	Type: Chip	Dimension:
C386427	UTM:	537198 E	UTM:	6884230 N	Sample Width: 2 m	Abundance:
	Elevation:	m				
Comments:	Chip sample across 2 m. Hornfelsed metased (siltstone) with limonite, goethite and scorodite coat. Trace pyrite.					

Rock Sample Descriptions			Project: <u>Tarsis</u>		Property: <u>White River</u>	
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>Outcrop</u>	Dimension:
C386428	UTM:	533956 E	UTM:	6884062 N	Sample Width: 30 cm	Abundance:
	Elevation:	m				
Comments:	Rock sample from outcrop. Hosts weakly altered feldspar (orange) crystals within weakly flow banded monzonite. Disseminated arsenopyrite and chalcopyrite mineralization. Hairline fracture coated with < 1mm sulphide bands.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>Grab</u>	Dimension: 5 pc/1.5 m
C386429	UTM:	533888 E	UTM:	6884023 N	Sample Width:	Abundance:
	Elevation:	m				
Comments:	Grab sample of rusty surfaced, fine grained monzonite with rare quartz veins. Mineralized with arsenopyrite and chalcopyrite. Very finely disseminated.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>Specimen</u>	Dimension: 5 x 12 x 16 cm
C386430	UTM:	533449 E	UTM:	6884335 N	Sample Width:	Abundance:
	Elevation:	m				
Comments:	Specimen sample. Feldspar altered, medium grained intrusive-granite. Trace pyrite with tarnished black sulphide.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>Specimen</u>	Dimension: 6 x 4 x 10 cm
C386431	UTM:	533530 E	UTM:	6884311 N	Sample Width:	Abundance:
	Elevation:	m				
Comments:	Specimen of limonite-goethite, moderately banded, boxworked, bright pink-purple mineral-bornite? Bright orange to tan.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>Specimen</u>	Dimension: 12 x 6 x 4 cm
C386432	UTM:	533530 E	UTM:	6884311 N	Sample Width:	Abundance:
	Elevation:	m				
Comments:	Specimen of limonite-manganese-geithite. Heavy.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>Specimen</u>	Dimension: 10 x 3 x 6 cm
C386433	UTM:	533530 E	UTM:	6884311 N	Sample Width:	Abundance:
	Elevation:	m				
Comments:	Limonite with fine grained dyke. Approximately 3% sulphide- pyrrhotite and arsenopyrite. Moderate malachite. Well formed colliform limonite.					

Rock Sample Descriptions			Project: <u>Tarsis</u>		Property: <u>White River</u>	
Sample Number:	Grid East:	E	Grid North:	N	Type: Composite	Dimension: 25 pc/ 2 m
C386434	UTM:	533504 E	UTM:	6884308 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: composite sample of 25 pieces collected over 2 m. Coarse grained, plagioclase rich monzonite with abundant malachite and azurite on fractures.						
Sample Number:	Grid East:	E	Grid North:	N	Type: Specimen	Dimension: 20 x 15 x 30 cm
C386435	UTM:	532971 E	UTM:	6883823 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Specimen of inter layered goethite and quartz (<1 cm) bands. From an area with max width of 2 m.						
Sample Number:	Grid East:	E	Grid North:	N	Type: Composite	Dimension: 6 pc/ 2 m
C386436	UTM:	532522 E	UTM:	6884103 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Composite chip sample. Six pieces over two metres. Silicified quartzite to chert. Orange, powdery coat on fractures. No sulphides, sampled because of proximity to fault.						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
	UTM:	E	UTM:	N	Sample Width:	Abundance:
	Elevation:	m				
Comments:						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
	UTM:	E	UTM:	N	Sample Width:	Abundance:
	Elevation:	m				
Comments:						
Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
	UTM:	E	UTM:	N	Sample Width:	Abundance:
	Elevation:	m				
Comments:						

APPENDIX III
CERTIFICATES OF ANALYSIS



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

To: **TARSIS RESOURCES LTD.**
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Page: 1
Finalized Date: 6- OCT- 2010
Account: TARCAP

CERTIFICATE WH10135887

Project: GENERATIVE

P.O. No.:

This report is for 24 Rock samples submitted to our lab in Whitehorse, YT, Canada on 23- SEP- 2010.

The following have access to data associated with this certificate:

MARC BLYTHE

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
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA23	Au 30g FA- AA finish	AAS

To: **TARSIS RESOURCES LTD.**
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
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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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Page: 2 - A
Total # Pages: 2 (A - C)
Finalized Date: 6- OCT- 2010
Account: TARCAP

Project: GENERATIVE

CERTIFICATE OF ANALYSIS WH10135887

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
J991926		0.45	<0.005	<0.2	0.04	4	<10	10	<0.5	<2	0.04	<0.5	2	27	15	0.36
J991927		0.61	<0.005	<0.2	0.04	5	<10	20	<0.5	<2	0.02	<0.5	<1	30	5	0.50
J991928		0.64	<0.005	0.5	0.08	23	<10	20	<0.5	<2	0.02	<0.5	1	22	22	0.71
J991929		0.47	<0.005	0.2	0.03	4	<10	80	<0.5	<2	0.01	<0.5	1	27	4	0.64
J991930		0.67	<0.005	0.3	0.19	6	<10	590	<0.5	<2	0.01	<0.5	<1	35	12	0.94
J991931		0.42	<0.005	0.2	2.23	3	<10	20	<0.5	<2	1.35	<0.5	23	100	133	3.86
J991932		1.04	<0.005	<0.2	1.44	4	130	10	<0.5	<2	4.52	<0.5	17	47	58	1.89
J991933		0.78	<0.005	<0.2	1.37	<2	<10	10	0.5	<2	2.54	<0.5	12	30	51	1.74
J991934		0.76	0.005	<0.2	0.32	<2	<10	20	0.7	<2	0.08	<0.5	<1	15	5	1.30
J991935		0.71	<0.005	0.3	0.86	125	<10	90	<0.5	<2	0.16	<0.5	1	9	19	2.16
J991936		0.72	<0.005	<0.2	0.95	22	<10	60	<0.5	<2	0.34	<0.5	4	25	3	1.29
J991937		0.52	<0.005	<0.2	2.66	30	<10	60	0.7	<2	2.46	<0.5	14	159	36	4.77
J991938		Not Recvd														
J991939		0.68	<0.005	<0.2	5.15	3	<10	40	<0.5	<2	3.55	<0.5	15	69	29	2.45
J991940		0.61	0.029	<0.2	1.96	142	<10	170	0.5	<2	0.87	<0.5	30	4	339	4.11
J991941		0.52	<0.005	<0.2	1.69	17	<10	20	0.6	<2	5.08	<0.5	11	47	36	2.24
J991942		0.68	<0.005	<0.2	0.53	4	<10	30	<0.5	<2	0.56	<0.5	5	46	6	0.65
J991943		0.90	<0.005	<0.2	0.32	<2	<10	10	<0.5	<2	0.74	<0.5	2	25	2	0.54
J991944		0.59	<0.005	<0.2	0.68	2	<10	30	<0.5	<2	0.70	<0.5	4	43	26	1.03
J991945		0.48	<0.005	<0.2	0.86	2	<10	60	<0.5	<2	0.57	<0.5	<1	10	10	2.16
J991946		0.44	<0.005	0.7	1.12	12	<10	10	<0.5	<2	19.3	<0.5	13	19	68	4.83
J991947		0.45	0.281	32.3	2.10	8	<10	40	0.6	81	5.69	12.1	6	35	3440	4.13
J991948		0.28	<0.005	<0.2	0.44	<2	<10	30	<0.5	2	0.15	<0.5	1	6	36	0.85
J991949		0.50	<0.005	0.2	0.32	4	<10	30	0.8	<2	0.54	0.5	3	11	55	1.03



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Page: 2 - B
Total # Pages: 2 (A - C)
Finalized Date: 6- OCT- 2010
Account: TARCAP

Project: GENERATIVE

CERTIFICATE OF ANALYSIS WH10135887

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
J991926		<10	<1	<0.01	<10	0.03	93	<1	0.01	4	30	<2	<0.01	<2	<1	<1
J991927		<10	<1	0.01	<10	0.02	42	<1	0.01	1	20	<2	<0.01	<2	<1	<1
J991928		<10	<1	0.02	<10	0.05	49	<1	0.01	3	70	4	<0.01	<2	<1	1
J991929		<10	<1	0.02	<10	0.01	35	<1	0.01	<1	50	<2	0.03	<2	<1	2
J991930		<10	<1	0.06	<10	0.10	42	<1	0.02	1	60	<2	0.05	<2	1	8
J991931		10	<1	0.12	<10	1.56	329	<1	0.11	42	960	2	0.33	<2	9	15
J991932		10	<1	0.05	<10	0.42	250	<1	0.10	34	1300	<2	0.16	2	5	96
J991933		<10	<1	0.12	<10	0.57	292	1	0.12	19	120	7	0.14	<2	2	45
J991934		<10	<1	0.08	30	0.02	143	<1	0.09	<1	10	4	<0.01	<2	<1	3
J991935		10	<1	0.12	20	0.29	181	<1	0.06	<1	460	4	0.08	<2	2	24
J991936		<10	<1	0.16	<10	0.45	214	<1	0.06	9	290	9	<0.01	2	2	15
J991937		10	<1	0.27	10	2.50	453	<1	0.02	55	450	<2	0.05	4	15	34
J991938																
J991939		10	<1	0.03	<10	1.31	339	<1	0.60	41	450	<2	0.04	<2	8	50
J991940		10	<1	0.34	20	1.27	145	<1	0.13	<1	1170	4	1.35	<2	10	50
J991941		10	<1	0.37	20	0.35	87	2	0.06	28	710	9	0.17	2	5	339
J991942		<10	<1	0.15	10	0.20	59	<1	0.10	13	340	2	0.01	<2	3	69
J991943		<10	<1	0.03	<10	0.05	78	<1	0.02	3	70	<2	0.02	<2	1	54
J991944		<10	<1	0.21	10	0.22	74	<1	0.06	7	170	3	0.02	<2	3	58
J991945		<10	<1	0.11	20	0.05	141	3	0.19	<1	250	<2	0.26	<2	6	119
J991946		10	<1	0.07	<10	0.22	219	<1	0.03	29	670	40	<0.01	<2	2	806
J991947		10	1	0.17	10	0.18	1045	<1	0.06	6	710	18	0.11	<2	5	281
J991948		<10	<1	0.13	10	0.10	220	1	0.04	<1	180	2	0.01	<2	1	31
J991949		<10	<1	0.13	<10	0.05	918	8	0.02	<1	550	<2	0.02	<2	<1	35



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Page: 2 - C
 Total # Pages: 2 (A - C)
 Finalized Date: 6- OCT- 2010
 Account: TARCAP

Project: GENERATIVE

CERTIFICATE OF ANALYSIS WH10135887

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
J991926		<20	<0.01	<10	<10	2	<10	3
J991927		<20	<0.01	<10	<10	3	<10	2
J991928		<20	<0.01	<10	<10	3	<10	13
J991929		<20	<0.01	<10	<10	2	<10	<2
J991930		<20	0.01	<10	<10	13	<10	5
J991931		<20	0.26	<10	<10	105	<10	37
J991932		<20	0.25	<10	<10	49	<10	16
J991933		<20	0.14	<10	<10	42	<10	19
J991934		<20	0.03	<10	<10	2	<10	163
J991935		<20	0.04	<10	<10	12	<10	23
J991936		<20	0.01	<10	<10	19	<10	22
J991937		<20	0.09	<10	<10	96	<10	40
J991938								
J991939		<20	0.27	<10	<10	83	<10	17
J991940		<20	0.21	<10	<10	119	<10	16
J991941		<20	0.22	<10	<10	42	<10	40
J991942		<20	0.25	<10	<10	26	<10	33
J991943		<20	0.05	<10	<10	6	<10	17
J991944		<20	0.14	<10	<10	23	<10	40
J991945		<20	0.09	<10	<10	1	<10	13
J991946		<20	0.10	<10	<10	12	<10	104
J991947		<20	0.23	<10	<10	36	<10	253
J991948		<20	0.01	<10	<10	4	<10	20
J991949		<20	0.01	<10	<10	3	<10	20



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Page: 1
Finalized Date: 6- OCT- 2010
Account: TARCAP

CERTIFICATE WH10135882

Project: Generative

P.O. No.:

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 20- SEP- 2010.

The following have access to data associated with this certificate:

MARC BLYTHE

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
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Cu- OG46	Ore Grade Cu - Aqua Regia	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS

To: **TARSIS RESOURCES LTD.**
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

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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Total # Pages: 2 (A - C)
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Account: TARCAP

Project: Generative

CERTIFICATE OF ANALYSIS WH10135882

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
J991950		0.21	<0.005	<0.2	0.90	3	<10	60	<0.5	<2	0.46	<0.5	2	9	10	1.00
J991951		1.43	0.155	2.4	4.77	560	<10	70	<0.5	<2	1.23	1.1	136	406	2430	6.25
J991952		1.51	0.636	12.7	4.63	2750	<10	50	<0.5	11	0.57	1.2	53	650	3260	13.00
J991953		0.18	4.91	6.1	0.91	>10000	<10	30	<0.5	104	0.06	12.6	2910	56	5230	9.04
J991954		0.10	0.172	1.4	5.85	310	10	10	<0.5	<2	4.73	7.7	68	101	>10000	3.80
J991955		0.88	0.040	3.6	3.22	745	<10	70	<0.5	<2	1.06	2.2	74	162	2010	7.55
J991956		1.50	0.017	0.9	3.43	209	<10	100	<0.5	<2	0.93	1.2	62	153	928	6.83
J991957		1.10	0.029	0.6	2.28	216	<10	20	<0.5	<2	0.64	<0.5	30	135	454	8.95
J991958		0.95	0.011	0.5	3.22	150	<10	30	<0.5	<2	1.27	<0.5	48	132	651	7.57
J991959		1.43	0.007	0.6	3.38	196	<10	30	<0.5	<2	0.93	0.8	55	141	517	9.09
J991960		1.42	0.015	0.6	2.32	121	<10	20	<0.5	<2	1.08	0.6	41	93	403	6.49
J991961		1.41	0.015	2.5	3.38	485	<10	50	<0.5	<2	0.98	2.3	81	132	1560	9.60
J991962		1.26	0.019	3.0	3.14	514	<10	80	<0.5	<2	1.43	1.1	57	143	1940	7.50
J991963		0.49	0.020	27.9	2.21	61	70	20	3.0	74	8.3	35.1	6	34	1855	1.68
J991964		0.05	<0.005	0.7	1.88	25	<10	230	3.9	<2	2.28	1.5	4	9	145	5.53
J991965		0.20	<0.005	1.1	2.84	17	<10	100	3.9	<2	8.2	5.0	11	16	20	5.23
J991966		0.31	<0.005	0.7	2.12	11	<10	220	2.2	<2	6.00	6.9	12	21	16	5.15
J991681		1.09	<0.005	0.3	0.04	10	<10	80	<0.5	<2	0.08	<0.5	1	34	11	1.25
J991682		0.22	<0.005	0.3	0.43	10	<10	870	0.8	<2	0.12	<0.5	<1	38	40	5.29
J991683		0.67	<0.005	<0.2	0.12	7	<10	80	<0.5	<2	0.03	<0.5	1	26	16	1.16
J991684		0.44	<0.005	<0.2	2.10	<2	<10	30	0.5	<2	3.19	<0.5	15	49	48	2.74
J991685		0.36	0.012	0.4	1.69	4	<10	20	<0.5	<2	1.22	<0.5	13	84	341	9.61
J991686		0.60	<0.005	0.2	2.19	2	<10	10	<0.5	<2	2.53	<0.5	11	71	121	5.09
J991687		0.68	<0.005	<0.2	0.29	3	<10	60	<0.5	<2	0.66	<0.5	6	20	94	3.31
J991688		0.28	<0.005	0.2	0.21	<2	<10	150	<0.5	<2	0.20	<0.5	4	30	154	3.40
J991689		0.63	<0.005	<0.2	0.45	3	<10	200	<0.5	<2	0.71	<0.5	11	79	55	1.70
J991690		0.46	<0.005	0.2	0.88	<2	<10	30	<0.5	<2	1.38	<0.5	8	51	64	2.12
J991691		0.72	<0.005	<0.2	0.92	2	<10	40	<0.5	<2	1.59	<0.5	20	58	170	2.98
J991692		0.50	<0.005	<0.2	1.11	3	<10	90	<0.5	<2	1.59	<0.5	16	45	77	2.94
J991693		0.79	<0.005	<0.2	0.53	<2	<10	50	<0.5	<2	1.98	<0.5	15	28	149	2.40
J991694		0.40	<0.005	0.2	0.40	2	<10	20	<0.5	<2	0.14	<0.5	5	26	96	2.40
J991695		0.51	<0.005	0.4	0.42	3	<10	40	1.5	<2	0.05	<0.5	<1	8	4	1.90
J991696		0.62	<0.005	0.6	0.35	2	<10	20	0.7	<2	0.02	1.1	<1	7	8	1.10
J991697		0.33	<0.005	<0.2	0.57	3	<10	60	0.7	<2	0.08	<0.5	1	4	3	0.93
J991698		0.99	<0.005	<0.2	3.24	6	10	120	1.4	<2	2.70	<0.5	4	19	5	1.05
J991699		0.33	<0.005	<0.2	0.71	4	<10	170	<0.5	<2	0.14	<0.5	1	7	24	1.82



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Page: 2 - B
Total # Pages: 2 (A - C)
Finalized Date: 6- OCT- 2010
Account: TARCAP

Project: Generative

CERTIFICATE OF ANALYSIS WH10135882

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
J991950		<10	<1	0.03	<10	0.26	249	1	0.20	12	130	9	0.02	<2	1	45
J991951		10	<1	0.15	10	2.97	314	<1	0.12	85	100	4	0.11	<2	8	34
J991952		10	1	0.61	10	2.46	144	1	0.07	45	100	10	0.34	5	17	40
J991953		<10	<1	0.30	<10	0.11	44	6	0.17	203	10	21	1.76	185	1	22
J991954		10	1	0.07	<10	2.27	381	<1	0.05	67	60	4	0.40	<2	5	13
J991955		10	<1	0.05	<10	3.37	550	9	0.08	101	640	4	0.61	10	22	29
J991956		10	<1	0.05	<10	3.10	562	9	0.10	75	590	5	0.56	10	19	25
J991957		10	1	0.03	<10	2.46	374	11	0.07	33	660	9	1.23	11	17	8
J991958		10	<1	0.07	<10	2.77	571	7	0.20	50	640	5	0.65	8	19	22
J991959		10	1	0.07	<10	3.55	674	4	0.11	49	720	3	0.51	7	27	13
J991960		10	<1	0.05	<10	2.75	373	12	0.10	37	730	3	0.90	6	20	13
J991961		10	<1	0.04	<10	3.37	550	11	0.06	82	670	6	0.46	12	22	18
J991962		10	<1	0.05	<10	3.33	551	15	0.07	78	690	2	0.37	9	22	31
J991963		10	<1	0.29	30	0.41	337	<1	0.04	11	360	17	0.08	9	4	315
J991964		10	1	0.05	30	0.26	3340	2	0.02	5	110	5	0.03	<2	2	240
J991965		10	<1	0.03	20	0.45	2530	<1	0.06	12	510	2	0.02	5	3	111
J991966		10	1	0.02	20	0.25	3970	2	0.04	28	560	4	0.02	<2	4	237
J9919681		<10	<1	0.02	<10	0.01	127	<1	0.01	2	10	<2	0.06	<2	<1	9
J9919682		<10	<1	0.24	10	0.20	179	2	0.03	5	720	4	0.36	<2	2	21
J9919683		<10	<1	0.07	<10	0.07	98	<1	0.01	2	90	<2	0.06	<2	1	3
J9919684		10	<1	0.12	<10	1.11	333	1	0.26	31	1790	<2	0.04	<2	7	36
J9919685		10	<1	0.09	<10	0.97	487	<1	0.11	30	1050	3	1.46	<2	8	37
J9919686		10	1	0.11	<10	1.09	336	<1	0.27	42	1240	2	0.51	<2	12	45
J9919687		<10	<1	0.12	<10	0.17	112	<1	0.05	12	960	2	0.26	<2	2	16
J9919688		<10	<1	0.19	<10	0.08	81	<1	0.06	12	220	12	0.41	<2	1	53
J9919689		<10	<1	0.12	<10	0.39	253	<1	0.03	52	180	73	0.02	<2	2	29
J9919690		<10	<1	0.10	<10	0.41	229	2	0.15	36	260	4	0.23	<2	2	36
J9919691		<10	<1	0.10	<10	0.60	212	<1	0.12	39	1140	3	0.50	<2	3	30
J9919692		<10	1	0.08	<10	0.66	236	1	0.13	34	890	2	0.26	<2	4	25
J9919693		<10	<1	0.21	<10	0.28	185	1	0.05	32	750	7	0.83	<2	2	39
J9919694		<10	<1	0.02	10	0.14	1155	1	0.02	12	690	2	0.17	<2	1	7
J9919695		<10	<1	0.14	<10	0.01	264	1	0.09	1	20	19	0.02	<2	<1	3
J9919696		<10	<1	0.14	<10	<0.01	717	1	0.09	1	10	290	0.02	<2	<1	2
J9919697		<10	<1	0.28	20	0.02	95	<1	0.05	2	380	25	0.01	9	1	7
J9919698		10	<1	0.14	20	0.23	371	<1	0.19	8	710	6	0.02	<2	1	88
J9919699		<10	<1	0.15	10	0.23	182	1	0.08	<1	300	5	0.07	<2	2	22



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Total # Pages: 2 (A - C)
Finalized Date: 6- OCT- 2010
Account: TARCAP

Project: Generative

CERTIFICATE OF ANALYSIS WH10135882

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Cu- OG46
		Th	Ti	Ti	U	V	W	Zn	Cu
		ppm	%	ppm	ppm	ppm	ppm	ppm	%
		20	0.01	10	10	1	10	2	0.001
J991950		<20	0.02	<10	<10	5	<10	24	
J991951		<20	0.08	<10	<10	65	<10	111	
J991952		<20	0.10	<10	<10	105	<10	166	
J991953		<20	0.01	<10	<10	24	<10	102	
J991954		<20	0.04	<10	<10	36	<10	207	3.02
J991955		<20	0.39	<10	<10	226	<10	459	
J991956		<20	0.34	<10	<10	186	<10	537	
J991957		<20	0.41	<10	<10	202	<10	192	
J991958		<20	0.43	<10	<10	182	<10	210	
J991959		<20	0.44	<10	<10	266	<10	389	
J991960		<20	0.55	<10	<10	218	<10	229	
J991961		<20	0.35	<10	<10	227	<10	686	
J991962		<20	0.38	<10	<10	228	<10	84	
J991963		<20	0.14	<10	<10	27	<10	3190	
J991964		<20	0.05	<10	<10	16	<10	198	
J991965		<20	0.09	<10	<10	35	<10	481	
J991966		<20	0.15	<10	<10	24	10	296	
J991681		<20	0.01	<10	<10	6	<10	11	
J991682		<20	0.03	<10	<10	56	<10	34	
J991683		<20	0.02	<10	<10	6	<10	6	
J991684		<20	0.22	<10	<10	68	<10	26	
J991685		<20	0.29	<10	<10	83	<10	35	
J991686		<20	0.20	<10	<10	104	<10	37	
J991687		<20	0.38	<10	<10	42	<10	7	
J991688		<20	0.17	<10	<10	71	<10	9	
J991689		<20	0.17	<10	<10	42	<10	29	
J991690		<20	0.12	<10	<10	25	<10	13	
J991691		<20	0.31	<10	<10	55	<10	15	
J991692		<20	0.32	<10	<10	63	<10	20	
J991693		<20	0.34	<10	<10	39	<10	30	
J991694		<20	0.03	<10	<10	66	<10	29	
J991695		<20	0.01	<10	<10	1	<10	48	
J991696		<20	<0.01	<10	<10	1	<10	128	
J991697		<20	<0.01	<10	<10	2	<10	25	
J991698		<20	0.06	<10	<10	12	<10	28	
J991699		<20	0.04	<10	<10	9	<10	29	



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Page: 1

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Account: TARCAP

CERTIFICATE WH10098838

Project: YG

P.O. No.: 2 of 2

This report is for 2 Rock samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2010.

The following have access to data associated with this certificate:

M.G. BLYTHE

MARC BLYTHE

M.G. BLYTHE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag-OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES

To: TARSIS RESOURCES LTD.

ATTN: M.G. BLYTHE

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Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Project: YG

CERTIFICATE OF ANALYSIS WH10098838

Sample Description	Method Analyte Units LOR	Ag-OG46 Ag ppm 1
17344 17345		422 391



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Page: 1
Finalized Date: 5-JUL-2010
Account: TARCAP

CERTIFICATE WH10083974

Project: YG

P.O. No.: Bag B

This report is for 18 Rock samples submitted to our lab in Whitehorse, YT, Canada on 23-JUN-2010.

The following have access to data associated with this certificate:

M.G. BLYTHE

MARC BLYTHE

M.G. BLYTHE

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

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Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Account: TARCAP

Project: YG

CERTIFICATE OF ANALYSIS WH10083974

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
17151		0.44	<0.005	<0.2	3.01	7	<10	30	<0.5	<2	2.06	<0.5	18	51	40	3.19
17152		0.46	<0.005	<0.2	5.40	5	<10	110	<0.5	<2	3.84	<0.5	31	209	88	2.99
17156		0.66	<0.005	0.5	0.16	84	<10	10	<0.5	<2	7.1	<0.5	21	32	239	4.98
17157		0.28	0.080	<0.2	3.49	7	<10	10	<0.5	<2	2.57	<0.5	18	53	186	1.93
17158		0.16	<0.005	<0.2	1.89	5	<10	200	<0.5	<2	3.21	<0.5	5	7	9	2.23
17159		0.74	<0.005	<0.2	2.52	3	<10	370	<0.5	<2	1.05	<0.5	12	9	4	3.84
17165		0.82	<0.005	<0.2	3.43	46	<10	10	<0.5	<2	4.44	<0.5	20	26	73	2.91
17166		0.30	<0.005	0.2	1.27	208	<10	10	<0.5	2	19.5	1.7	108	37	8330	2.52
17106		1.22	0.009	<0.2	0.29	1545	<10	40	0.5	<2	13.3	<0.5	5	7	41	3.12
17107		0.96	0.168	0.4	5.58	25	<10	20	<0.5	3	4.39	<0.5	10	117	379	1.63
17108		0.88	<0.005	0.2	0.05	10	<10	60	<0.5	<2	0.14	<0.5	2	13	15	0.54
17109		0.64	<0.005	<0.2	0.05	3	<10	50	<0.5	<2	0.05	<0.5	1	17	13	0.49
17110		1.30	<0.005	0.2	2.14	4	<10	230	<0.5	<2	0.74	<0.5	7	34	4	3.00
17111		0.82	<0.005	0.2	1.18	3	<10	160	0.5	<2	0.27	<0.5	4	20	6	1.71
17112		0.76	<0.005	<0.2	1.82	2	<10	420	<0.5	<2	0.83	<0.5	8	7	9	2.61
17113		1.34	<0.005	<0.2	0.93	2	<10	90	<0.5	<2	0.44	<0.5	2	3	<1	1.12
17114		0.70	<0.005	<0.2	1.00	2	<10	70	<0.5	<2	0.12	<0.5	4	19	15	1.74
17115		0.96	<0.005	<0.2	0.22	<2	<10	20	<0.5	<2	0.33	<0.5	1	12	2	0.50



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Project: YG

CERTIFICATE OF ANALYSIS WH10083974

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
17151		10	1	0.07	<10	1.74	438	<1	0.28	30	170	<2	0.02	<2	8	34
17152		10	<1	0.06	<10	1.36	800	<1	0.73	97	170	<2	0.15	<2	10	157
17156		<10	<1	<0.01	10	1.60	2650	<1	0.07	37	500	<2	0.06	2	24	471
17157		<10	<1	0.07	<10	0.72	187	<1	0.42	55	160	2	0.60	<2	4	70
17158		<10	1	0.26	20	0.43	441	<1	0.07	2	1270	3	0.03	<2	4	695
17159		10	<1	0.55	20	1.35	713	<1	0.11	2	900	4	0.02	<2	6	149
17165		10	<1	0.05	<10	1.03	227	<1	0.08	24	600	2	0.09	7	8	10
17166		<10	<1	0.05	<10	0.35	689	<1	0.02	158	50	<2	<0.01	14	5	45
17106		<10	<1	0.07	<10	6.60	711	<1	0.02	8	130	<2	0.09	21	4	422
17107		<10	1	0.08	<10	0.76	160	1	0.44	41	40	3	0.21	3	3	56
17108		<10	<1	0.01	<10	0.05	39	<1	0.01	1	60	<2	0.02	<2	<1	6
17109		<10	<1	0.01	<10	0.02	35	<1	0.01	2	30	<2	0.01	<2	<1	3
17110		10	<1	0.90	10	1.01	381	<1	0.21	2	690	2	0.01	<2	7	65
17111		<10	<1	0.46	10	0.47	373	<1	0.08	17	410	4	0.01	<2	3	22
17112		<10	<1	0.56	20	0.87	489	<1	0.08	2	950	6	0.01	<2	4	78
17113		<10	<1	0.33	<10	0.35	298	<1	0.07	<1	190	2	0.01	<2	1	13
17114		<10	<1	0.52	10	0.36	225	<1	0.05	6	320	<2	0.02	<2	2	5
17115		<10	<1	0.07	<10	0.06	132	<1	0.01	1	110	<2	0.01	<2	1	10



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CERTIFICATE OF ANALYSIS WH10083974

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
17151		<20	0.31	<10	<10	127	<10	30
17152		<20	0.14	<10	<10	81	<10	23
17156		<20	<0.01	<10	<10	96	<10	34
17157		<20	0.12	<10	<10	28	<10	13
17158		<20	0.20	<10	<10	49	<10	24
17159		<20	0.22	<10	<10	92	<10	71
17165		<20	0.49	<10	<10	119	<10	26
17166		<20	0.01	<10	10	28	<10	37
17106		<20	0.01	<10	<10	24	<10	10
17107		<20	0.05	<10	<10	22	<10	15
17108		<20	<0.01	<10	<10	3	<10	<2
17109		<20	<0.01	<10	<10	2	<10	<2
17110		<20	0.21	<10	<10	70	<10	68
17111		<20	0.07	<10	<10	27	<10	52
17112		<20	0.19	<10	<10	54	<10	51
17113		<20	0.03	<10	<10	11	<10	22
17114		<20	0.10	<10	<10	15	<10	16
17115		<20	0.02	<10	<10	3	<10	4



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CERTIFICATE WH10082655

Project: YG

P.O. No.: 2 of 2

This report is for 21 Rock samples submitted to our lab in Whitehorse, YT, Canada on 23-JUN-2010.

The following have access to data associated with this certificate:

M.G. BLYTHE

MARC BLYTHE

M.G. BLYTHE

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: TARSIS CAPITAL CORP.
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Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH10082655

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
17311		0.64	19.8	1.34	261	<10	20	0.5	2	1.12	1.3	19	38	4250	5.15	10
17312		0.86	0.2	0.56	29	<10	90	<0.5	<2	0.07	<0.5	5	36	53	0.90	<10
17332		0.48	0.2	0.19	8	<10	10	<0.5	<2	0.03	<0.5	1	15	7	0.59	<10
17333		1.04	0.8	0.38	44	<10	10	3.0	<2	0.06	<0.5	<1	12	21	0.34	<10
17334		0.82	<0.2	1.62	30	<10	60	0.7	2	1.41	<0.5	6	23	87	2.35	<10
17335		0.70	0.2	0.51	362	<10	120	<0.5	<2	0.02	<0.5	7	18	149	8.66	10
17336		0.20	1.5	1.39	323	<10	110	<0.5	<2	0.17	<0.5	18	21	287	9.62	10
17337		0.18	0.2	0.55	21	<10	70	<0.5	8	0.42	<0.5	1	20	159	6.95	10
17338		0.26	0.2	0.79	382	<10	70	<0.5	<2	0.53	<0.5	58	49	103	1.87	<10
17339		0.32	1.6	1.24	695	<10	30	<0.5	<2	1.42	0.6	37	21	1005	1.54	<10
17340		0.60	<0.2	2.24	782	<10	40	1.4	<2	13.1	<0.5	18	47	15	5.99	<10
17341		0.28	<0.2	0.87	19	<10	170	0.7	<2	0.28	<0.5	13	31	19	2.46	<10
17342		0.20	57.6	1.42	>10000	<10	10	<0.5	48	13.1	5.7	93	88	>10000	11.80	<10
17343		0.08	5.5	6.05	199	<10	30	<0.5	<2	2.20	6.9	99	194	>10000	2.98	10
17344		0.28	>100	1.19	1130	<10	30	<0.5	113	5.27	3.9	36	65	8750	16.2	<10
17345		0.18	>100	1.00	>10000	<10	20	<0.5	277	0.10	22.1	43	172	4700	26.8	10
17346		0.62	1.8	1.31	261	<10	20	0.6	<2	14.2	<0.5	26	296	99	2.50	<10
17347		0.54	0.7	0.61	261	<10	10	<0.5	<2	15.0	<0.5	10	95	52	1.70	<10
17348		0.14	0.9	1.14	134	<10	20	<0.5	<2	8.6	<0.5	39	149	249	3.07	10
17349		0.68	0.6	0.23	54	<10	10	<0.5	<2	11.0	<0.5	4	28	165	3.04	<10
17350		0.44	0.7	1.82	15	<10	130	<0.5	<2	0.27	<0.5	6	24	20	2.97	10



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CERTIFICATE OF ANALYSIS WH10082655

Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
17311		1	0.19	<10	0.18	36	<1	0.05	57	1300	5	2.75	13	4	6	<20
17312		<1	0.11	10	0.41	102	<1	0.04	26	120	<2	<0.01	<2	2	3	<20
17332		<1	0.08	<10	0.03	93	<1	0.03	4	80	2	<0.01	<2	<1	<1	<20
17333		<1	0.29	<10	0.02	45	<1	0.07	<1	20	24	<0.01	<2	<1	<1	<20
17334		<1	0.08	30	0.33	179	<1	0.15	12	1300	10	0.47	<2	3	57	20
17335		1	0.12	10	0.02	160	<1	0.02	9	400	<2	0.05	27	1	3	<20
17336		1	0.08	40	0.62	625	22	0.02	30	270	11	0.01	118	4	7	<20
17337		<1	0.15	20	0.08	42	<1	0.42	<1	490	3	1.57	<2	2	39	<20
17338		<1	0.07	10	0.29	126	<1	0.16	59	430	7	0.53	4	4	19	<20
17339		<1	0.05	<10	0.59	111	<1	0.20	84	570	<2	0.34	4	4	27	<20
17340		1	0.08	10	0.46	977	<1	0.03	40	860	2	<0.01	9	33	53	<20
17341		<1	0.20	10	0.58	826	<1	0.03	35	460	<2	<0.01	<2	2	2	<20
17342		<1	0.13	<10	0.27	428	5	0.02	137	60	35	0.26	46	7	108	<20
17343		1	0.47	<10	2.05	339	<1	0.45	131	50	7	0.11	3	3	80	<20
17344		<1	0.07	<10	1.09	428	16	0.08	67	40	50	0.37	6	5	54	<20
17345		1	0.23	10	0.02	<5	22	1.29	<1	150	443	5.4	79	21	93	<20
17346		<1	0.04	<10	0.35	371	<1	0.01	100	150	3	0.02	10	26	109	<20
17347		<1	0.03	<10	0.52	565	1	0.01	54	20	2	0.02	7	8	32	<20
17348		<1	0.05	<10	1.04	463	<1	0.01	140	20	2	0.09	18	17	70	<20
17349		<1	0.04	<10	4.13	644	<1	0.01	15	40	3	0.02	<2	3	276	<20
17350		<1	0.23	10	0.42	273	1	0.04	12	400	8	0.01	<2	3	19	<20



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CERTIFICATE OF ANALYSIS WH10082655

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-OG46	Au-AA23
		Ti	Ti	U	V	W	Zn	Cu	Au
		%	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.01	10	10	1	10	2	0.001	0.005
17311		0.42	<10	<10	46	<10	26		0.019
17312		0.01	<10	<10	49	<10	5		0.013
17332		<0.01	<10	<10	1	<10	4		<0.005
17333		0.01	<10	10	1	<10	56		0.006
17334		0.09	<10	<10	20	<10	14		0.015
17335		0.01	<10	<10	24	<10	11		<0.005
17336		0.01	<10	<10	32	<10	75		0.086
17337		0.23	<10	<10	41	<10	2		0.884
17338		0.15	<10	<10	61	<10	22		0.099
17339		0.29	<10	<10	51	<10	23		0.031
17340		<0.01	<10	<10	183	<10	36		<0.005
17341		0.08	<10	<10	23	<10	28		<0.005
17342		<0.01	<10	<10	28	<10	93	0.910	0.897
17343		0.07	<10	<10	42	<10	294	2.08	0.023
17344		0.01	<10	<10	22	<10	126		0.068
17345		0.01	10	<10	43	<10	223		4.41
17346		<0.01	<10	<10	92	<10	30		0.007
17347		<0.01	<10	<10	37	<10	11		0.005
17348		<0.01	<10	<10	50	<10	19		<0.005
17349		<0.01	<10	<10	10	<10	12		0.014
17350		0.16	<10	<10	62	<10	51		<0.005



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P.O. No.: 1 of 2

This report is for 56 Rock samples submitted to our lab in Whitehorse, YT, Canada on 23-JUN-2010.

The following have access to data associated with this certificate:

M.G. BLYTHE

MARC BLYTHE

M.G. BLYTHE

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
Au-AA23	Au 30g FA-AA finish	AAS

To: TARSIS CAPITAL CORP.
ATTN: M.G. BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

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 WH10082654

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
17101		0.60	0.005	0.4	6.29	31	<10	30	<0.5	2	2.88	<0.5	32	175	157	3.75
17102		0.62	0.006	13.2	6.02	84	<10	10	<0.5	76	3.64	1.1	27	300	597	4.13
17103		0.88	<0.005	<0.2	2.78	6	<10	120	<0.5	<2	1.89	<0.5	17	140	33	3.38
17104		1.04	0.054	0.3	1.36	10	<10	140	<0.5	2	0.23	<0.5	7	44	113	2.35
17105		1.24	0.006	0.2	2.98	16	<10	50	<0.5	<2	1.92	<0.5	8	75	98	3.18
17116		0.78	<0.005	<0.2	2.12	3	<10	130	0.7	<2	0.19	<0.5	12	64	7	3.19
17117		0.62	<0.005	<0.2	0.20	3	<10	10	<0.5	<2	0.20	<0.5	4	15	9	0.76
17118		0.68	0.032	<0.2	3.32	25	<10	40	0.9	<2	3.84	<0.5	6	28	42	1.84
17119		0.96	0.005	<0.2	1.16	6	<10	170	<0.5	<2	0.12	<0.5	17	38	50	1.77
17120		1.06	<0.005	0.2	1.49	20	<10	20	<0.5	<2	1.86	<0.5	12	46	36	2.42
17121		1.42	0.011	0.2	2.37	11	<10	30	<0.5	<2	1.74	<0.5	11	85	155	3.27
17122		1.46	0.010	0.4	0.90	141	<10	30	<0.5	<2	23.1	<0.5	41	40	516	1.98
17123		0.88	<0.005	0.2	5.29	9	<10	10	<0.5	<2	4.45	<0.5	15	285	67	1.80
17124		1.16	0.005	<0.2	3.44	26	<10	170	<0.5	<2	2.55	<0.5	33	177	100	4.81
17153		0.38	<0.005	0.3	4.94	<2	<10	20	<0.5	<2	3.49	<0.5	69	145	550	3.67
17154		0.60	0.021	28.9	4.98	302	<10	60	<0.5	<2	0.91	3.0	21	228	>10000	5.43
17160		0.72	0.037	0.3	1.40	141	<10	240	<0.5	<2	0.93	<0.5	14	25	210	2.32
17161		1.02	<0.005	0.7	0.31	26	<10	170	<0.5	6	0.10	<0.5	1	17	287	2.53
17162		1.72	0.007	0.2	0.26	28	<10	180	<0.5	2	0.11	<0.5	9	17	87	2.20
17163		1.88	0.005	0.2	0.54	30	<10	370	<0.5	2	0.08	<0.5	2	32	89	3.22
17164		1.48	0.005	<0.2	0.25	25	<10	200	<0.5	<2	0.15	<0.5	6	24	69	2.14
17251		1.76	0.007	6.1	1.20	182	<10	60	<0.5	<2	0.96	<0.5	13	37	1040	3.04
17252		2.44	0.009	4.7	0.79	302	<10	110	<0.5	<2	0.30	<0.5	22	27	1020	5.69
17253		0.38	<0.005	0.3	2.11	30	<10	190	0.8	<2	0.07	<0.5	16	34	103	3.96
17254		0.38	<0.005	<0.2	2.16	5	<10	140	0.5	<2	0.39	<0.5	7	44	35	3.05
17255		0.66	0.007	0.7	1.55	6	<10	7870	0.5	<2	0.06	2.2	3	46	92	2.11
17256		0.50	<0.005	0.2	2.48	10	<10	190	0.8	<2	0.11	<0.5	7	61	65	4.03
17257		0.34	<0.005	0.2	2.21	26	<10	210	0.7	<2	0.16	<0.5	13	55	72	3.68
17258		0.40	<0.005	<0.2	0.31	6	<10	20	<0.5	<2	13.2	<0.5	4	23	4	2.94
17259		2.94	0.071	0.2	0.87	1035	<10	90	0.5	<2	0.27	<0.5	66	29	172	2.71
17260		0.84	0.023	1.5	1.66	396	<10	40	<0.5	3	1.29	<0.5	156	100	235	2.87
17261		0.40	0.007	<0.2	0.40	75	<10	320	<0.5	3	0.02	<0.5	6	16	212	11.30
17262		0.60	<0.005	<0.2	0.24	29	<10	130	<0.5	<2	0.04	<0.5	1	15	52	1.90
17263		0.32	<0.005	<0.2	0.38	48	<10	310	<0.5	4	0.02	<0.5	5	40	202	11.25
17264		0.34	<0.005	0.2	0.17	33	<10	350	<0.5	3	0.02	<0.5	1	12	34	2.73
17265		0.34	<0.005	<0.2	0.39	27	<10	240	<0.5	<2	0.02	<0.5	4	16	131	7.48
17266		0.28	0.007	<0.2	0.17	22	<10	210	<0.5	3	0.02	<0.5	<1	18	38	2.72
17267		0.22	0.006	<0.2	0.14	212	<10	190	<0.5	5	0.02	<0.5	1	15	62	2.73
17268		0.38	<0.005	<0.2	0.65	15	<10	110	<0.5	<2	0.02	<0.5	2	18	77	2.12
17269		0.18	<0.005	<0.2	0.47	15	<10	310	<0.5	<2	0.05	<0.5	3	20	135	5.93



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CERTIFICATE OF ANALYSIS WH10082654

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
17101		10	1	0.07	<10	3.09	309	<1	0.53	128	80	2	0.37	4	4
17102		10	<1	0.05	<10	2.97	520	<1	0.31	111	50	72	0.07	9	6
17103		10	<1	0.44	<10	1.49	341	<1	0.27	57	680	<2	0.05	4	10
17104		10	<1	0.12	10	1.13	649	2	0.02	35	480	3	0.03	<2	6
17105		<10	<1	0.11	<10	0.62	145	<1	0.39	17	500	<2	0.27	2	5
17116		10	<1	0.79	30	1.04	369	<1	0.05	31	580	<2	0.01	<2	7
17117		<10	<1	0.02	<10	0.07	89	<1	0.01	3	800	<2	0.01	<2	<1
17118		10	<1	0.10	10	0.38	152	<1	0.03	6	580	5	0.07	2	4
17119		<10	<1	0.48	10	0.68	999	<1	0.03	35	190	<2	0.01	2	2
17120		10	<1	0.09	<10	0.64	225	<1	0.19	19	760	<2	0.07	3	7
17121		10	<1	0.07	<10	0.88	174	<1	0.23	33	820	<2	0.48	5	8
17122		<10	<1	0.04	10	0.55	742	<1	0.02	64	120	<2	<0.01	12	3
17123		10	<1	0.03	<10	1.66	234	<1	0.13	65	40	2	0.02	2	5
17124		10	<1	0.16	<10	1.62	435	<1	0.16	95	450	<2	0.29	4	16
17153		10	1	0.06	<10	1.23	254	<1	0.66	194	80	4	1.23	2	4
17154		10	1	0.43	10	3.09	321	<1	0.23	34	80	3	0.02	4	4
17160		10	<1	0.19	20	0.61	156	<1	0.11	7	810	6	0.25	<2	3
17161		<10	<1	0.07	<10	0.12	71	<1	0.01	2	90	<2	0.06	3	1
17162		<10	<1	0.06	<10	0.04	2640	<1	0.01	25	420	<2	0.10	4	1
17163		<10	<1	0.18	10	0.15	137	<1	0.01	4	270	<2	0.11	8	2
17164		<10	<1	0.05	<10	0.05	2130	<1	0.01	11	680	<2	0.10	4	1
17251		<10	<1	0.08	<10	0.57	117	1	0.20	20	580	2	0.76	3	5
17252		10	<1	0.11	<10	0.20	70	1	0.11	32	490	<2	0.90	10	3
17253		10	<1	0.54	40	0.65	338	<1	0.02	33	250	28	0.02	3	2
17254		10	1	0.52	20	0.95	391	<1	0.13	16	580	7	0.04	<2	6
17255		10	<1	0.40	20	0.36	175	<1	0.10	13	290	105	0.06	<2	5
17256		10	1	0.52	30	0.99	462	<1	0.04	13	490	17	0.06	2	6
17257		10	<1	0.47	30	0.88	466	<1	0.03	36	810	21	0.02	2	3
17258		<10	<1	0.02	<10	4.43	827	<1	0.01	21	40	2	0.02	2	3
17259		<10	<1	0.11	10	0.40	194	1	<0.01	37	240	4	0.02	19	3
17260		10	<1	0.06	<10	0.92	168	<1	0.08	75	720	3	0.32	3	9
17261		10	<1	0.11	10	0.02	138	<1	0.01	6	230	2	0.09	24	1
17262		<10	<1	0.07	<10	0.04	111	<1	<0.01	3	80	<2	0.03	5	1
17263		10	<1	0.12	10	0.02	109	1	0.01	11	210	<2	0.08	20	1
17264		<10	<1	0.11	10	0.02	58	<1	0.01	1	130	<2	0.14	4	1
17265		10	<1	0.10	10	0.02	87	<1	0.01	9	340	<2	0.05	13	1
17266		<10	<1	0.08	<10	0.02	44	<1	0.01	1	160	<2	0.07	6	<1
17267		<10	<1	0.06	10	0.01	46	<1	<0.01	2	120	<2	0.06	2	1
17268		<10	<1	0.10	<10	0.18	307	<1	<0.01	11	110	<2	0.04	7	1
17269		20	<1	0.11	<10	0.06	126	<1	0.01	14	310	<2	0.05	7	1



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CERTIFICATE OF ANALYSIS WH10082654

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-OG46
		Th	Ti	Ti	U	V	W	Zn	Cu
		ppm	%	ppm	ppm	ppm	ppm	ppm	%
		20	0.01	10	10	1	10	2	0.001
17101		<20	0.08	<10	<10	42	<10	26	
17102		<20	0.09	<10	<10	56	<10	54	
17103		<20	0.49	<10	<10	138	<10	22	
17104		<20	0.08	<10	<10	87	<10	32	
17105		<20	0.15	<10	<10	50	<10	9	
17116		<20	0.14	<10	<10	49	<10	42	
17117		<20	0.01	<10	<10	3	<10	6	
17118		<20	0.12	<10	<10	55	<10	20	
17119		<20	0.10	<10	<10	29	<10	28	
17120		<20	0.33	<10	<10	85	<10	11	
17121		<20	0.44	<10	<10	110	<10	10	
17122		<20	0.03	<10	<10	26	<10	22	
17123		<20	0.07	<10	<10	52	<10	17	
17124		<20	0.54	<10	<10	138	<10	33	
17153		<20	0.11	<10	<10	77	<10	23	
17154		<20	0.13	<10	<10	77	<10	114	1.155
17160		<20	0.22	<10	<10	70	<10	20	
17161		<20	0.02	<10	<10	10	<10	5	
17162		<20	0.02	<10	<10	12	<10	4	
17163		<20	0.03	<10	<10	27	<10	6	
17164		<20	0.02	<10	<10	11	<10	5	
17251		<20	0.25	<10	<10	71	<10	14	
17252		<20	0.13	<10	<10	40	<10	10	
17253		20	0.01	<10	<10	18	<10	110	
17254		<20	0.13	<10	<10	39	<10	68	
17255		<20	0.03	<10	<10	36	<10	746	
17256		<20	0.03	<10	<10	48	<10	77	
17257		<20	0.01	<10	<10	36	<10	120	
17258		<20	<0.01	<10	<10	27	<10	18	
17259		<20	<0.01	<10	<10	55	<10	11	
17260		<20	0.46	<10	<10	101	<10	13	
17261		<20	0.02	<10	<10	22	<10	7	
17262		<20	0.02	<10	<10	10	<10	4	
17263		<20	0.02	<10	<10	28	<10	6	
17264		<20	0.01	<10	<10	9	<10	<2	
17265		<20	0.01	<10	<10	11	<10	5	
17266		<20	<0.01	<10	<10	9	<10	<2	
17267		<20	0.01	<10	<10	16	<10	2	
17268		<20	0.01	<10	<10	9	<10	11	
17269		<20	0.02	<10	<10	10	<10	6	



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CERTIFICATE OF ANALYSIS WH10082654

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
17270		0.50	0.017	0.7	1.58	40	<10	20	<0.5	<2	10.3	1.6	61	89	2060
17271		0.08	0.010	1.9	0.96	97	<10	70	<0.5	<2	0.33	<0.5	8	51	642
17272		0.22	0.047	4.1	0.94	134	<10	30	<0.5	2	0.33	<0.5	9	67	555
17273		0.20	0.242	46.5	1.41	68	<10	40	<0.5	5	0.81	3.2	14	79	>10000
17274		0.14	<0.005	0.6	1.26	13	<10	10	<0.5	5	20.6	3.9	75	40	6400
17275		0.52	<0.005	0.5	0.35	21	<10	20	0.5	<2	>25.0	<0.5	4	13	223
17276		1.88	0.012	0.9	3.03	21	<10	30	<0.5	<2	4.41	0.8	49	119	769
17277		0.70	<0.005	0.8	1.40	29	<10	50	<0.5	<2	0.77	<0.5	19	56	436
17301		1.52	<0.005	<0.2	2.55	12	<10	70	<0.5	2	1.51	<0.5	12	107	87
17302		0.40	0.010	0.3	2.66	48	<10	50	<0.5	2	1.43	<0.5	29	50	63
17303		0.16	<0.005	0.3	2.96	14	<10	30	<0.5	<2	2.01	<0.5	17	57	112
17304		1.06	0.005	0.5	3.61	62	<10	40	<0.5	<2	2.53	<0.5	39	285	82
17305		0.84	<0.005	0.2	0.42	33	<10	20	<0.5	<2	12.4	<0.5	9	63	23
17307		0.74	<0.005	0.3	0.13	38	<10	60	0.7	<2	>25.0	<0.5	1	6	8
17309		0.40	0.013	<0.2	1.39	299	<10	30	0.5	<2	1.54	<0.5	33	52	62
17310		0.22	0.015	0.3	2.47	894	<10	130	<0.5	<2	1.88	<0.5	100	129	356



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CERTIFICATE OF ANALYSIS WH10082654

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
17270		10	<1	0.03	<10	1.25	1315	9	0.04	104	380	8	3.20	19	11
17271		10	<1	0.07	<10	0.50	36	12	0.09	6	590	11	0.87	21	10
17272		10	<1	0.03	<10	0.67	55	14	0.05	7	550	26	1.17	20	11
17273		10	<1	0.06	<10	1.04	161	5	0.11	26	530	20	2.54	8	12
17274		<10	<1	<0.01	<10	1.30	2060	<1	0.02	124	170	2	0.6	4	8
17275		<10	<1	<0.01	<10	1.24	1315	<1	0.02	8	40	<2	<0.01	4	2
17276		10	<1	0.06	<10	2.42	636	3	0.08	66	710	4	3.67	8	32
17277		10	<1	0.04	<10	0.95	113	14	0.10	14	640	4	2.91	4	8
17301		10	<1	0.16	<10	1.62	347	<1	0.08	53	100	2	0.08	2	5
17302		10	<1	0.06	<10	1.48	524	<1	0.19	60	320	2	0.06	3	11
17303		10	<1	0.12	<10	0.72	333	<1	0.36	47	190	<2	0.09	5	9
17304		10	<1	0.07	<10	2.97	1280	<1	0.12	68	60	6	0.11	6	14
17305		<10	<1	0.04	<10	5.23	610	<1	0.02	34	20	2	0.03	3	6
17307		<10	<1	0.01	<10	4.39	651	<1	0.02	1	20	<2	<0.01	5	1
17309		<10	<1	0.16	<10	0.46	109	<1	0.27	39	500	<2	0.04	2	5
17310		10	<1	0.08	<10	1.82	242	<1	0.18	73	460	3	1.31	8	11



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CERTIFICATE OF ANALYSIS WH10082654

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-OG46
		Th	Ti	Ti	U	V	W	Zn	Cu
		ppm	%	ppm	ppm	ppm	ppm	ppm	%
		20	0.01	10	10	1	10	2	0.001
17270		<20	0.01	<10	<10	120	<10	382	
17271		<20	0.61	<10	<10	175	<10	31	
17272		<20	0.67	<10	<10	258	<10	37	
17273		<20	0.51	<10	<10	151	<10	205	1.850
17274		<20	0.01	<10	<10	60	<10	269	
17275		<20	<0.01	<10	10	17	<10	10	
17276		<20	0.16	<10	<10	278	<10	583	
17277		<20	0.48	<10	<10	105	<10	19	
17301		<20	0.09	<10	<10	70	<10	36	
17302		<20	0.49	<10	<10	295	<10	30	
17303		<20	0.53	<10	<10	501	<10	20	
17304		<20	0.09	<10	<10	115	<10	70	
17305		<20	0.01	<10	<10	27	<10	18	
17307		<20	<0.01	<10	10	5	<10	3	
17309		<20	0.41	<10	<10	57	<10	6	
17310		<20	0.31	<10	<10	104	<10	14	



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Finalized Date: 31- OCT- 2010
Account: TARCAP

CERTIFICATE VA10152509

Project: YK Gen

P.O. No.:

This report is for 100 Rock samples submitted to our lab in Vancouver, BC, Canada on 19- OCT- 2010.

The following have access to data associated with this certificate:

MARC BLYTHE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
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
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Cu- OG46	Ore Grade Cu - Aqua Regia	VARIABLE
Au- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM

To: **TARSIS RESOURCES LTD.**
ATTN: MARC BLYTHE
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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 VA10152509

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au ppm	Au- GRA21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
J991600		0.56	<0.005		<0.2	1.04	8	<10	110	0.5	<2	1.16	<0.5	4	6	14
J991601		1.46	<0.005		<0.2	0.67	5	<10	20	0.5	2	0.26	<0.5	1	5	22
J991602		0.08	<0.005		<0.2	1.13	4	<10	20	1.1	2	1.08	<0.5	3	2	23
J991603		0.48	<0.005		0.2	0.40	3	<10	20	0.5	4	0.18	<0.5	1	4	44
J991604		0.36	<0.005		0.3	0.48	2	<10	30	0.5	<2	0.95	<0.5	2	3	66
J991605		0.50	<0.005		<0.2	0.63	<2	<10	40	<0.5	<2	0.64	<0.5	3	5	24
J991606		0.50	<0.005		0.2	0.07	<2	<10	<10	<0.5	<2	0.05	<0.5	2	5	65
J991607		0.26	<0.005		<0.2	0.69	2	<10	40	0.6	<2	0.34	<0.5	1	4	38
J991608		0.14	0.044		0.3	0.95	260	<10	30	<0.5	<2	0.23	0.6	19	20	34
J991610		0.38	<0.005		1.3	0.21	<2	<10	50	<0.5	<2	0.05	<0.5	17	11	99
J991611		1.20	0.294		<0.2	0.29	<2	<10	20	0.6	<2	11.8	<0.5	7	2	13
J991612		0.56	<0.005		<0.2	0.70	5	<10	10	1.2	<2	0.20	<0.5	1	2	2
J991613		0.76	0.011		3.3	0.36	1445	<10	850	<0.5	7	0.17	<0.5	36	9	735
J991614		1.34	0.008		0.3	0.52	292	<10	200	<0.5	3	0.18	<0.5	12	19	184
J991615		0.50	0.055		<0.2	0.15	524	<10	50	<0.5	2	0.05	<0.5	1	11	25
J991616		0.66	0.011		1.1	0.74	1020	<10	2140	0.5	13	0.22	<0.5	50	37	1350
J991617		1.14	7.60		29.2	0.68	>10000	<10	40	<0.5	274	0.04	11.4	8900	32	>10000
J991618		0.14	0.094		0.5	1.26	2060	10	130	0.7	4	1.07	<0.5	103	14	394
J991730		0.54	0.138		0.5	1.09	168	<10	80	<0.5	4	1.10	<0.5	19	18	253
J991731		0.88	0.061		0.4	1.41	430	<10	40	<0.5	<2	1.44	<0.5	42	23	385
J991732		1.24	0.093		0.3	1.07	44	<10	30	<0.5	2	1.16	<0.5	19	18	263
J991733		0.38	0.075		0.3	2.27	15	<10	80	<0.5	3	1.88	<0.5	19	62	242
J991734		0.86	0.179		0.3	1.09	46	<10	10	<0.5	5	0.98	<0.5	11	30	601
J991735		0.14	1.790		1.9	0.16	>10000	<10	30	<0.5	153	0.02	<0.5	333	4	21
J991736		0.88	<0.005		0.3	0.41	789	<10	30	<0.5	<2	0.74	<0.5	42	5	281
J991737		0.40	0.013		0.7	1.15	92	<10	100	<0.5	3	0.94	<0.5	9	30	319
J991738		0.12	0.110		1.3	2.06	>10000	<10	90	<0.5	18	0.18	<0.5	25	101	523
J991739		0.32	0.033		1.5	1.98	430	<10	50	<0.5	3	0.51	<0.5	6	173	126
J991740		0.32	0.005		1.5	1.82	84	<10	10	<0.5	11	0.98	<0.5	1	102	237
J991741		0.66	0.120		<0.2	3.46	682	<10	170	<0.5	2	1.06	<0.5	16	231	138
J991742		0.36	0.010		<0.2	1.11	32	<10	40	<0.5	4	0.11	<0.5	3	30	255
J677250		1.00	0.086		<0.2	0.05	793	<10	400	<0.5	<2	5.85	<0.5	35	84	17
J677251		0.56	0.034		<0.2	0.09	743	<10	390	<0.5	<2	6.10	<0.5	46	124	14
J677252		0.64	0.010		<0.2	0.08	467	<10	150	<0.5	<2	4.48	<0.5	57	247	15
J677253		1.14	0.011		<0.2	0.05	534	<10	740	<0.5	<2	4.29	<0.5	51	205	10
J677254		0.90	0.006		<0.2	0.14	358	<10	90	<0.5	<2	3.44	<0.5	46	382	9
J677255		0.78	0.030		<0.2	0.08	448	<10	100	<0.5	<2	12.5	<0.5	42	171	11
J677256		0.14	0.008		<0.2	0.07	683	<10	140	<0.5	<2	8.7	<0.5	65	200	11
J677257		0.30	0.018		0.5	0.82	98	<10	20	<0.5	3	0.66	<0.5	1	22	275
J991700		0.26	0.184		>100	0.30	>10000	<10	60	<0.5	50	0.40	139.0	71	20	6230



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CERTIFICATE OF ANALYSIS VA10152509

Sample Description	Method Analyte Units LOR	ME- ICP41 Fe %	ME- ICP41 Ga ppm	ME- ICP41 Hg ppm	ME- ICP41 K %	ME- ICP41 La ppm	ME- ICP41 Mg %	ME- ICP41 Mn ppm	ME- ICP41 Mo ppm	ME- ICP41 Na %	ME- ICP41 Ni ppm	ME- ICP41 P ppm	ME- ICP41 Pb ppm	ME- ICP41 S %	ME- ICP41 Sb ppm	ME- ICP41 Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
J991600		3.74	<10	<1	0.20	20	0.33	411	3	0.02	5	920	8	<0.01	<2	7
J991601		0.88	<10	<1	0.16	10	0.12	165	<1	0.01	1	330	5	<0.01	<2	1
J991602		1.38	<10	<1	0.10	30	0.15	604	4	0.02	1	380	9	0.40	<2	1
J991603		1.00	<10	<1	0.18	<10	0.05	204	4	0.03	1	580	5	0.01	<2	<1
J991604		1.00	<10	<1	0.24	10	0.08	363	3	0.02	1	2620	8	0.29	<2	1
J991605		1.19	<10	<1	0.17	10	0.19	550	<1	0.07	2	690	5	0.11	<2	2
J991606		0.58	<10	<1	0.04	<10	0.01	48	156	0.01	1	140	<2	0.28	<2	<1
J991607		1.50	<10	<1	0.32	10	0.14	571	5	0.07	<1	640	4	0.14	<2	1
J991608		2.64	<10	<1	0.08	10	0.92	507	1	0.01	64	980	40	0.01	4	4
J991610		3.98	<10	<1	0.07	<10	0.06	63	1	0.03	82	140	3	2.43	<2	<1
J991611		17.6	<10	<1	<0.01	10	3.27	5190	1	0.02	21	10	5	3.93	<2	6
J991612		1.21	<10	<1	0.31	50	0.07	106	1	0.02	1	190	16	0.01	<2	2
J991613		20.6	<10	<1	0.11	<10	0.02	28600	3	0.02	61	980	15	0.02	8	7
J991614		12.8	<10	<1	0.03	<10	0.05	346	2	0.01	57	1000	7	0.33	4	4
J991615		12.85	<10	2	0.01	<10	0.02	739	6	0.01	11	800	3	0.01	13	1
J991616		37.9	<10	<1	0.14	<10	0.02	>50000	10	0.04	78	2200	39	0.02	17	11
J991617		12.45	<10	<1	0.12	<10	0.04	192	8	0.08	695	10	69	4.56	516	1
J991618		0.59	<10	<1	0.30	<10	0.16	110	<1	0.43	11	<10	2	0.06	4	1
J991730		3.08	<10	<1	0.04	<10	0.21	541	1	0.16	15	620	3	0.97	2	4
J991731		3.25	<10	<1	0.04	<10	0.36	168	<1	0.24	32	630	3	0.85	<2	6
J991732		2.80	<10	<1	0.03	<10	0.18	96	1	0.19	17	620	3	0.87	2	4
J991733		3.98	10	<1	0.08	<10	0.68	377	2	0.30	42	550	<2	0.75	4	9
J991734		3.85	<10	<1	0.04	<10	0.35	121	2	0.08	9	720	3	0.54	<2	5
J991735		22.7	<10	<1	0.03	<10	0.01	<5	9	0.02	69	110	16	6.8	203	2
J991736		2.86	<10	<1	0.04	<10	0.22	290	1	0.11	37	1570	3	1.07	<2	6
J991737		5.18	<10	<1	0.11	<10	0.62	203	<1	0.11	13	470	3	0.66	8	6
J991738		15.7	10	<1	0.31	<10	1.42	178	3	0.04	34	620	5	0.61	17	11
J991739		4.29	10	<1	0.30	<10	1.96	235	8	0.14	20	290	11	0.44	3	6
J991740		6.38	10	<1	0.08	<10	0.94	152	1	0.05	5	680	8	0.24	6	7
J991741		6.55	10	<1	1.35	<10	2.58	309	1	0.15	64	560	2	0.29	8	16
J991742		4.08	10	<1	0.08	<10	0.47	172	<1	0.01	13	350	4	0.29	3	4
J677250		3.50	<10	1	0.01	<10	3.43	1285	<1	0.01	599	40	5	0.42	212	3
J677251		3.49	<10	2	0.02	<10	4.58	1255	1	0.01	769	140	5	0.18	668	6
J677252		4.00	<10	2	0.01	<10	10.85	1125	<1	0.01	1050	120	7	0.29	377	7
J677253		3.32	<10	2	0.01	<10	8.86	922	<1	0.01	915	100	8	0.23	307	5
J677254		3.52	<10	2	0.01	<10	8.81	865	<1	<0.01	877	130	3	0.14	176	6
J677255		2.97	<10	2	0.01	<10	2.68	1630	1	0.01	709	140	5	0.14	145	6
J677256		4.19	<10	2	0.01	<10	3.84	1485	1	0.01	1110	240	7	0.10	1125	7
J677257		7.78	<10	<1	0.06	20	0.16	46	<1	0.24	27	790	6	0.64	11	1
J991700		36.0	10	<1	0.06	<10	0.06	87	10	0.23	59	130	168	0.81	22	2



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Ag- OG46	Cu- OG46
		Sr	Th	Ti	Tl	U	V	W	Zn	Ag	Cu
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
		1	20	0.01	10	10	1	10	2	1	0.001
J991600		39	<20	0.01	<10	<10	21	<10	97		
J991601		12	<20	0.01	<10	<10	7	<10	17		
J991602		38	<20	0.01	<10	20	4	<10	49		
J991603		8	<20	<0.01	<10	<10	3	<10	19		
J991604		28	<20	0.02	<10	<10	6	<10	28		
J991605		34	<20	0.02	<10	10	10	<10	74		
J991606		1	<20	<0.01	<10	<10	1	<10	3		
J991607		12	<20	0.03	<10	10	8	<10	38		
J991608		7	<20	0.01	<10	<10	27	<10	86		
J991610		7	<20	0.01	<10	<10	9	<10	4		
J991611		1420	<20	<0.01	<10	<10	9	<10	105		
J991612		15	20	<0.01	<10	<10	2	<10	45		
J991613		107	<20	<0.01	<10	<10	151	<10	61		
J991614		18	<20	<0.01	<10	<10	103	<10	20		
J991615		3	<20	<0.01	<10	<10	65	<10	50		
J991616		205	<20	<0.01	10	10	177	<10	82		
J991617		15	<20	0.01	10	<10	24	<10	63		2.52
J991618		28	<20	0.01	<10	<10	4	<10	5		
J991730		37	<20	0.34	<10	<10	75	<10	5		
J991731		52	<20	0.40	<10	<10	84	<10	8		
J991732		58	<20	0.33	<10	<10	68	<10	5		
J991733		76	<20	0.39	<10	<10	100	<10	13		
J991734		14	<20	0.46	<10	<10	91	<10	4		
J991735		2	<20	0.01	<10	<10	14	<10	<2		
J991736		8	<20	0.12	<10	<10	71	<10	9		
J991737		18	<20	0.50	<10	<10	105	<10	11		
J991738		10	<20	0.25	<10	<10	180	<10	27		
J991739		11	<20	0.45	<10	<10	108	<10	91		
J991740		4	<20	0.52	<10	<10	139	<10	13		
J991741		28	<20	0.56	<10	<10	140	<10	28		
J991742		3	<20	0.06	<10	<10	51	<10	9		
J677250		372	<20	0.01	<10	<10	12	<10	11		
J677251		352	<20	0.01	<10	<10	13	<10	25		
J677252		352	<20	<0.01	<10	<10	16	<10	25		
J677253		336	<20	<0.01	<10	<10	12	<10	17		
J677254		124	<20	<0.01	<10	<10	16	<10	12		
J677255		318	<20	<0.01	<10	<10	15	<10	15		
J677256		331	<20	<0.01	<10	<10	13	<10	64		
J677257		40	<20	0.12	<10	<10	9	<10	2		
J991700		40	<20	<0.01	<10	<10	18	<10	2450	289	



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au ppm	Au- GRA21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
J991701		0.16	1.440		85.7	0.44	>10000	<10	50	<0.5	454	0.15	11.2	200	101	517
J991702		0.40	0.129		4.8	0.40	4050	<10	20	<0.5	31	0.05	6.6	73	16	871
J991703		1.64	0.006		1.5	0.50	183	<10	40	0.5	2	22.5	<0.5	6	112	28
J991704		0.20	0.008		0.6	1.98	352	<10	10	0.7	<2	15.7	0.6	14	199	56
J991705		0.26	1.890		44.9	0.73	>10000	<10	10	<0.5	116	0.27	37.5	256	52	2480
J991706		1.06	0.013		0.6	1.10	309	<10	10	<0.5	<2	21.9	<0.5	9	125	40
J991707		0.20	>10.0	9.80	>100	1.83	>10000	<10	20	<0.5	387	0.57	38.2	80	127	7300
J991708		0.20	>10.0	27.5	8.9	3.11	>10000	<10	50	<0.5	358	0.82	4.7	415	223	6970
J991709		0.28	0.871		31.4	0.56	>10000	<10	40	<0.5	56	0.45	81.3	254	14	3930
J991710		0.20	0.140		8.2	1.17	2550	<10	30	<0.5	6	9.1	1.2	18	268	178
J991711		0.54	0.152		0.6	0.33	797	<10	10	<0.5	17	0.14	0.8	41	805	383
J991712		0.74	0.009		0.3	0.88	170	<10	<10	<0.5	<2	0.07	<0.5	83	1015	53
J991713		0.16	8.89		>100	0.55	946	<10	130	<0.5	457	0.21	4.8	41	106	>10000
J991714		0.40	>10.0	39.8	>100	2.71	>10000	<10	20	0.8	1300	0.28	72.1	138	70	>10000
J991715		1.42	>10.0	27.1	>100	0.74	>10000	<10	30	<0.5	1585	0.27	18.4	5570	13	>10000
J991716		0.24	0.213		6.8	0.56	1065	<10	90	0.5	26	20.5	<0.5	16	60	254
J991717		1.56	3.88		15.9	1.98	>10000	<10	10	<0.5	175	0.26	115.5	3400	48	2460
J991718		0.72	1.235		>100	0.47	4970	<10	30	<0.5	109	0.07	13.5	44	39	1880
J991719		0.86	1.115		>100	0.74	6940	<10	30	<0.5	132	0.55	30.4	106	62	3920
J991720		0.28	0.052		3.2	0.67	563	<10	20	<0.5	3	13.9	1.3	25	45	87
J991721		0.64	0.015		2.4	0.43	110	<10	60	<0.5	<2	14.4	<0.5	14	52	71
J991722		0.28	0.016		2.0	0.93	173	<10	70	0.5	2	13.4	<0.5	34	58	105
J991723		0.32	0.010		0.4	0.65	92	<10	60	0.5	<2	11.7	<0.5	23	102	83
J991724		0.90	0.005		0.5	0.62	64	<10	90	0.5	<2	13.8	<0.5	11	79	36
J991725		0.78	0.005		1.2	4.99	39	<10	100	<0.5	<2	3.18	<0.5	29	57	794
J991726		1.12	<0.005		1.0	0.97	206	<10	90	0.9	2	11.5	0.6	38	111	935
J991727		0.30	<0.005		0.7	0.45	111	<10	80	0.9	<2	11.3	0.8	52	116	675
J991728		0.18	<0.005		0.2	1.20	9	<10	60	0.7	<2	4.52	<0.5	16	32	40
J991729		1.56	0.110		0.5	1.10	42	<10	40	<0.5	<2	1.18	<0.5	12	23	195
J991550		0.40	<0.005		0.5	1.09	31	<10	70	<0.5	<2	0.99	<0.5	13	80	614
J991551		0.20	<0.005		0.3	2.03	27	<10	320	0.5	<2	0.66	<0.5	21	60	198
J991552		0.44	0.011		0.3	0.47	61	<10	10	2.9	2	0.15	<0.5	2	4	14
J991553		0.50	0.099		0.6	1.21	1055	<10	10	0.5	2	1.01	<0.5	41	10	150
J991554		0.48	0.022		0.6	1.40	44	<10	20	0.6	2	0.99	<0.5	2	12	305
J991555		0.16	0.009		0.4	1.06	44	<10	10	0.5	<2	0.69	<0.5	2	8	93
J991556		0.36	0.008		0.5	2.32	36	<10	10	1.5	<2	1.42	<0.5	19	22	331
J991557		0.32	0.062		1.4	0.70	27	<10	10	<0.5	2	0.66	<0.5	4	6	898
J991558		0.38	0.031		0.9	0.79	763	<10	20	<0.5	<2	0.70	<0.5	4	10	447
J991559		1.00	0.776		0.6	1.38	55	<10	10	0.5	5	1.51	<0.5	23	9	555
J991560		0.24	0.046		0.6	0.86	25	<10	10	<0.5	<2	0.71	<0.5	2	9	563



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Sample Description	Method Analyte Units LOR	ME- ICP41 Fe %	ME- ICP41 Ga ppm	ME- ICP41 Hg ppm	ME- ICP41 K %	ME- ICP41 La ppm	ME- ICP41 Mg %	ME- ICP41 Mn ppm	ME- ICP41 Mo ppm	ME- ICP41 Na %	ME- ICP41 Ni ppm	ME- ICP41 P ppm	ME- ICP41 Pb ppm	ME- ICP41 S %	ME- ICP41 Sb ppm	ME- ICP41 Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
J991701		11.95	20	<1	0.32	10	0.05	23	42	0.82	41	130	283	3.00	32	8
J991702		6.76	<10	<1	0.11	<10	0.02	17	<1	0.24	23	30	19	0.47	6	1
J991703		2.54	<10	<1	0.03	<10	3.47	543	<1	0.01	25	30	4	<0.01	5	9
J991704		3.80	<10	<1	0.13	<10	0.46	348	<1	0.01	84	60	4	0.02	16	14
J991705		8.24	<10	<1	0.29	<10	0.18	30	<1	0.08	43	30	68	0.45	41	1
J991706		3.17	<10	<1	0.08	<10	0.51	518	<1	0.01	37	50	2	<0.01	7	12
J991707		17.5	10	1	0.28	10	0.05	<5	33	0.21	16	120	151	1.23	122	16
J991708		31.2	20	<1	0.18	20	1.11	12	3	0.02	51	540	12	0.30	75	20
J991709		13.35	<10	<1	0.13	<10	0.11	63	8	0.08	39	60	44	0.51	30	1
J991710		3.20	<10	<1	0.07	<10	1.41	603	<1	0.01	58	20	4	0.04	5	20
J991711		2.20	10	<1	0.02	<10	2.17	55	<1	<0.01	327	30	4	0.04	8	2
J991712		4.53	<10	<1	<0.01	<10	19.50	373	<1	<0.01	1780	10	<2	0.08	2	10
J991713		21.5	10	<1	0.57	<10	0.22	18	1	0.14	92	50	2	1.58	14	3
J991714		37.8	10	<1	0.79	10	0.06	44	15	0.05	92	50	21	1.59	145	5
J991715		23.9	<10	<1	0.85	<10	0.10	22	26	0.02	1430	20	304	4.99	235	9
J991716		3.08	<10	<1	0.05	<10	6.20	438	<1	0.01	24	20	13	<0.01	<2	4
J991717		7.31	10	<1	0.12	<10	1.06	138	7	0.04	338	10	49	1.35	162	2
J991718		12.75	<10	<1	0.14	<10	0.03	12	8	0.82	12	60	32	2.53	9	1
J991719		15.6	10	<1	0.14	<10	0.12	7	14	0.35	43	50	76	1.10	13	1
J991720		2.63	<10	<1	0.04	<10	1.98	1010	<1	0.01	19	20	2	0.05	2	13
J991721		3.71	<10	<1	0.03	<10	5.75	842	<1	0.02	25	20	<2	0.06	<2	16
J991722		3.54	<10	<1	0.04	<10	5.57	571	<1	0.01	78	20	2	0.16	8	9
J991723		3.46	<10	<1	0.03	<10	4.44	680	<1	0.01	65	30	3	0.17	5	27
J991724		3.72	<10	<1	0.07	<10	5.95	1080	<1	0.02	21	20	2	0.02	3	17
J991725		3.40	10	<1	0.04	<10	0.83	131	<1	0.28	67	50	3	0.59	3	3
J991726		3.26	<10	<1	0.11	<10	5.05	629	<1	0.01	31	20	3	0.05	4	35
J991727		3.05	<10	<1	0.06	<10	4.83	610	1	0.01	37	30	6	0.04	4	37
J991728		5.36	<10	<1	0.02	30	1.85	1050	1	0.01	11	2260	12	0.04	<2	15
J991729		3.53	<10	<1	0.04	<10	0.38	129	<1	0.14	18	600	3	0.48	3	6
J991550		3.03	10	<1	0.09	<10	1.02	262	<1	0.18	18	610	2	0.28	2	13
J991551		2.68	10	<1	0.46	10	0.90	168	9	0.19	51	430	<2	0.34	<2	8
J991552		0.38	<10	<1	0.29	10	0.04	48	<1	0.08	1	10	28	0.03	4	<1
J991553		1.40	<10	<1	0.04	30	0.16	66	<1	0.53	92	440	12	0.63	5	1
J991554		2.63	<10	<1	0.05	40	0.12	58	<1	0.36	4	520	<2	0.27	4	1
J991555		1.48	<10	<1	0.04	30	0.08	41	<1	0.48	1	450	4	0.26	<2	1
J991556		5.98	10	<1	0.06	70	0.42	157	<1	0.75	26	610	3	1.50	<2	2
J991557		7.24	<10	<1	0.02	20	0.07	38	8	0.14	4	420	5	1.22	<2	1
J991558		6.86	<10	<1	0.06	20	0.06	47	<1	0.24	5	510	6	0.73	2	1
J991559		4.44	<10	<1	0.05	10	0.26	184	3	0.44	81	1110	3	2.24	2	1
J991560		4.29	<10	<1	0.03	20	0.08	51	<1	0.23	5	560	<2	0.65	2	1



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Account: TARCAP

Project: YK Gen

CERTIFICATE OF ANALYSIS VA10152509

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Ag- OG46	Cu- OG46
		Sr	Th	Ti	Tl	U	V	W	Zn	Ag	Cu
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
		1	20	0.01	10	10	1	10	2	1	0.001
J991701		120	<20	0.06	<10	10	19	60	76		
J991702		15	<20	<0.01	<10	<10	13	<10	142		
J991703		391	<20	<0.01	<10	<10	28	<10	15		
J991704		63	<20	<0.01	<10	<10	46	<10	25		
J991705		44	<20	0.01	<10	<10	14	<10	117		
J991706		74	<20	<0.01	<10	<10	37	<10	12		
J991707		61	<20	0.05	<10	<10	55	<10	472	418	
J991708		50	<20	0.20	<10	<10	140	<10	104		
J991709		30	<20	<0.01	<10	<10	17	<10	475		
J991710		57	<20	<0.01	<10	<10	48	<10	27		
J991711		6	<20	<0.01	<10	<10	17	<10	14		
J991712		1	<20	0.01	<10	<10	37	<10	11		
J991713		29	<20	0.04	<10	<10	47	950	403	275	1.375
J991714		199	<20	0.01	<10	<10	88	2370	606	521	1.345
J991715		119	<20	<0.01	10	<10	18	8680	365	449	1.740
J991716		771	<20	<0.01	<10	<10	16	120	61		
J991717		25	<20	0.01	<10	<10	34	10	136		
J991718		40	<20	0.01	<10	<10	9	60	160	294	
J991719		47	<20	<0.01	<10	<10	17	<10	179	193	
J991720		150	<20	<0.01	<10	<10	46	<10	16		
J991721		360	<20	<0.01	<10	<10	63	<10	18		
J991722		415	<20	<0.01	<10	<10	39	<10	20		
J991723		331	<20	<0.01	<10	<10	96	<10	35		
J991724		432	<20	<0.01	<10	<10	52	<10	19		
J991725		78	<20	0.06	<10	<10	26	<10	15		
J991726		530	<20	<0.01	<10	<10	91	<10	42		
J991727		515	<20	<0.01	<10	<10	91	<10	57		
J991728		192	<20	0.01	<10	<10	61	<10	103		
J991729		49	<20	0.36	<10	<10	77	<10	7		
J991550		30	<20	0.17	<10	<10	123	<10	47		
J991551		68	<20	0.13	<10	<10	108	<10	21		
J991552		5	<20	0.01	<10	<10	3	<10	45		
J991553		32	<20	0.10	<10	<10	8	<10	13		
J991554		49	<20	0.12	<10	<10	10	<10	6		
J991555		30	<20	0.11	<10	<10	7	<10	4		
J991556		55	20	0.18	<10	<10	19	<10	9		
J991557		18	<20	0.06	<10	<10	8	<10	6		
J991558		32	<20	0.11	<10	<10	12	<10	3		
J991559		37	<20	0.12	<10	10	8	<10	14		
J991560		19	<20	0.06	<10	<10	9	<10	3		



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Project: YK Gen

CERTIFICATE OF ANALYSIS VA10152509

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au ppm	Au- GRA21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
J991561		0.42	0.292		0.3	1.80	63	<10	20	0.8	3	1.10	<0.5	12	10	221
J991562		0.60	0.030		0.9	0.74	60	<10	10	<0.5	3	0.70	<0.5	<1	10	688
J991563		0.44	0.019		<0.2	1.66	28	<10	470	<0.5	<2	0.93	<0.5	11	51	75
J991564		0.76	0.011		<0.2	0.05	614	<10	160	<0.5	<2	7.3	<0.5	34	161	9
J991565		0.36	0.160		0.2	4.27	62	<10	310	0.8	<2	1.28	<0.5	22	123	162
J991566		0.54	<0.005		<0.2	1.06	260	<10	180	0.6	<2	8.0	<0.5	44	271	116
J991567		0.54	0.097		<0.2	3.25	7	<10	100	<0.5	<2	5.74	<0.5	27	135	92
J991568		0.88	0.063		0.2	3.16	10	<10	90	<0.5	<2	5.97	<0.5	37	44	218
J991569		2.02	0.005		0.2	3.53	12	<10	50	<0.5	<2	4.95	<0.5	32	152	113
J991570		0.40	0.019		0.7	1.65	121	<10	90	<0.5	<2	7.4	<0.5	39	22	134
J991571		0.64	0.006		0.2	0.37	118	<10	530	<0.5	<2	17.1	<0.5	18	64	14
J991572		0.12	0.032		<0.2	0.11	620	<10	310	<0.5	<2	6.7	<0.5	48	239	8
J991573		1.68	<0.005		<0.2	0.28	62	<10	40	<0.5	<2	1.99	<0.5	45	722	11
J991574		0.20	0.024		2.7	0.54	1820	<10	120	<0.5	<2	0.14	<0.5	3	19	778
J991575		0.96	0.047		0.7	1.04	1685	<10	30	<0.5	<2	0.13	<0.5	68	14	3480
J991576		0.86	0.055		0.8	0.96	1810	<10	20	<0.5	<2	0.07	<0.5	78	17	3580
J991577		0.40	1.240		1.1	0.42	2490	30	60	<0.5	<2	0.09	<0.5	<1	10	420
J991578		1.12	0.158		2.0	0.48	4080	<10	30	<0.5	<2	0.06	<0.5	42	8	1895
J991579		0.38	0.410		2.3	0.52	1605	20	50	<0.5	<2	0.11	<0.5	3	13	477
J991580		0.86	0.197		2.7	0.28	7700	<10	130	<0.5	<2	0.12	<0.5	<1	7	456



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CERTIFICATE OF ANALYSIS VA10152509

Sample Description	Method Analyte Units LOR	ME- ICP41 Fe %	ME- ICP41 Ga ppm	ME- ICP41 Hg ppm	ME- ICP41 K %	ME- ICP41 La ppm	ME- ICP41 Mg %	ME- ICP41 Mn ppm	ME- ICP41 Mo ppm	ME- ICP41 Na %	ME- ICP41 Ni ppm	ME- ICP41 P ppm	ME- ICP41 Pb ppm	ME- ICP41 S %	ME- ICP41 Sb ppm	ME- ICP41 Sc ppm
J991561		2.95	<10	<1	0.05	30	0.23	131	<1	0.66	17	400	4	0.99	4	1
J991562		5.38	<10	<1	0.05	<10	0.05	45	<1	0.26	2	660	3	0.55	2	1
J991563		2.23	10	<1	0.33	<10	0.91	349	<1	0.10	36	190	<2	0.44	4	7
J991564		2.52	<10	2	0.01	<10	3.82	933	<1	0.01	526	10	3	0.42	114	4
J991565		4.87	10	<1	1.53	10	2.15	730	1	0.37	58	730	<2	0.62	<2	19
J991566		4.10	<10	2	0.20	<10	4.04	1725	<1	0.01	242	40	3	0.03	75	20
J991567		6.03	10	<1	0.02	<10	3.73	1060	<1	0.05	40	600	4	1.94	4	28
J991568		8.08	20	<1	0.05	10	3.09	1295	3	0.05	28	1680	7	2.75	<2	29
J991569		6.65	10	<1	0.02	<10	4.06	1015	1	0.05	42	680	4	1.72	2	32
J991570		7.33	<10	1	0.28	<10	2.36	967	<1	0.02	38	3280	13	3.37	55	31
J991571		2.40	<10	2	0.12	<10	2.17	1880	<1	0.01	272	110	2	<0.01	41	5
J991572		4.21	<10	3	0.01	<10	5.84	1465	1	0.01	817	160	7	0.23	154	6
J991573		3.64	<10	2	0.01	<10	12.15	835	<1	0.01	958	70	2	0.05	32	22
J991574		12.60	<10	<1	0.14	10	0.14	82	4	0.03	19	880	22	0.27	5	2
J991575		33.1	<10	1	0.09	10	0.09	152	1	<0.01	55	770	10	0.10	9	3
J991576		32.8	<10	<1	0.06	10	0.08	134	1	<0.01	63	700	14	0.09	10	3
J991577		15.9	<10	<1	0.07	<10	0.07	81	1	0.01	6	270	5	0.07	6	1
J991578		28.5	<10	1	0.05	10	0.03	115	2	<0.01	26	500	14	0.08	19	2
J991579		14.4	<10	<1	0.09	<10	0.10	104	1	0.02	8	170	3	0.06	6	1
J991580		16.8	<10	<1	0.10	<10	0.04	36	1	0.01	3	300	4	0.15	8	1



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Page: 1
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CERTIFICATE VA10122689

Project: White River

P.O. No.:

This report is for 10 Rock samples submitted to our lab in Vancouver, BC, Canada on 30- AUG- 2010.

The following have access to data associated with this certificate:

MARC BLYTHE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- QC	Crushing 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
ME- MS61	48 element four acid ICP- MS
Au- AA23	Au 30g FA- AA finish AAS

To: **TARSIS RESOURCES LTD.**
ATTN: MARC BLYTHE
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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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Project: White River

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Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G092490		6.30	17.95	0.18	3.0	0.091	3.42	22.8	41.7	2.28	555	1.48	2.07	5.5	8.0	900
G092487		5.94	22.2	0.15	0.6	0.049	2.11	25.0	47.9	1.34	610	0.82	0.61	14.1	26.3	870
G092488		3.82	17.20	0.10	3.8	0.092	0.31	7.5	13.6	2.07	350	1.10	5.12	7.7	9.8	1180
17306		5.13	21.8	0.13	0.8	0.369	1.21	13.8	8.6	1.66	700	0.30	2.95	2.7	17.6	550
I068097		2.14	7.90	0.07	0.5	0.020	0.12	1.6	47.6	2.19	528	0.13	0.03	1.9	69.4	110
I068100		1.31	12.65	0.07	1.7	0.005	0.72	1.2	9.8	0.16	104	0.60	1.77	4.3	1.6	90
I068117		10.70	25.5	0.24	1.5	0.150	0.32	12.0	11.2	4.01	1680	0.51	1.62	10.7	51.7	3870
I068121		3.62	14.10	0.09	0.5	0.042	0.33	0.6	67.9	3.02	661	0.08	0.04	0.2	127.5	30
I068130		2.26	12.45	0.13	0.8	0.014	1.28	31.7	22.8	0.65	287	0.27	0.67	4.6	29.4	130
I068131		7.39	26.3	0.21	1.9	0.112	0.85	42.4	15.9	3.08	851	1.32	2.22	38.1	51.6	1660



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CERTIFICATE OF ANALYSIS VA10122689

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G092490		8.5	153.5	<0.002	1.94	8.73	27.6	4	5.7	375	0.37	0.13	9.6	0.460	1.56	4.4
G092487		3.0	105.0	<0.002	0.24	1.89	23.5	1	2.9	123.5	1.15	0.08	9.6	0.518	0.59	2.3
G092488		4.5	8.1	<0.002	0.04	3.22	18.8	<1	24.5	448	0.49	0.05	7.2	0.582	0.22	3.9
17306		3.0	65.6	<0.002	0.39	12.95	17.8	2	2.6	279	0.19	0.37	0.2	0.895	1.58	0.8
I068097		1.0	11.5	<0.002	0.02	24.4	12.1	<1	0.4	199.5	0.12	<0.05	<0.2	0.368	0.12	0.2
I068100		6.4	42.4	<0.002	0.10	2.60	13.9	2	1.5	172.0	0.29	0.33	3.8	0.155	0.34	1.5
I068117		3.8	18.7	0.002	0.99	3.32	48.7	7	4.1	108.5	0.64	0.10	0.4	2.62	0.31	0.3
I068121		2.1	9.5	<0.002	0.02	10.00	44.7	<1	0.8	245	<0.05	<0.05	<0.2	0.273	0.27	0.2
I068130		3.2	60.2	<0.002	<0.01	0.66	11.0	1	0.9	50.1	0.28	0.05	9.4	0.169	0.28	2.6
I068131		18.9	40.9	0.006	1.36	10.95	25.3	3	4.1	425	2.19	0.17	3.9	1.210	0.34	1.2



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CERTIFICATE OF ANALYSIS VA10122689

Sample Description	Method Analyte Units LOR	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		V	W	Y	Zn	Zr
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5
G092490		181	1.0	23.0	36	108.5
G092487		150	7.4	18.2	38	20.0
G092488		167	4.1	20.5	15	142.0
17306		230	0.8	16.4	46	16.0
I068097		76	1.7	6.7	12	13.1
I068100		55	9.3	5.5	<2	63.1
I068117		734	1.3	84.0	55	32.2
I068121		186	0.7	9.5	60	10.6
I068130		43	0.7	8.0	6	27.4
I068131		229	1.4	29.3	45	43.9

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CERTIFICATE OF ANALYSIS VA10122689

Method	CERTIFICATE COMMENTS
ME- MS61	REE's may not be totally soluble in this method.



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CERTIFICATE VA10098847

Project: Tarsis White River

P.O. No.:

This report is for 93 Soil samples submitted to our lab in Vancouver, BC, Canada on 21-JUL-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER

BILL WENGZYNOWSKI

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-ST44	Super Trace Au - 50g AR	ICP-MS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Project: Tarsis White River

CERTIFICATE OF ANALYSIS VA10098847

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC101931		0.08	<0.2	1.55	23	<10	150	<0.5	3	0.74	<0.5	13	34	26	2.82	<10
CC101932		0.08	0.4	2.78	137	<10	160	<0.5	3	0.84	<0.5	23	60	72	3.78	10
CC101933		0.08	0.4	2.55	117	<10	150	<0.5	4	1.06	<0.5	20	53	68	3.44	10
CC101934		0.12	0.3	2.74	133	<10	160	<0.5	3	0.84	<0.5	22	58	72	3.71	10
CC101935		0.10	0.4	2.34	86	<10	140	<0.5	3	1.23	<0.5	17	45	93	3.31	10
CC101936		0.10	0.3	2.36	85	<10	140	<0.5	3	1.27	<0.5	17	45	93	3.31	10
CC101937		0.10	0.3	2.43	82	<10	160	<0.5	2	1.02	<0.5	19	46	66	3.37	10
CC101938		0.10	0.3	2.44	84	<10	170	<0.5	3	1.02	<0.5	19	47	67	3.43	10
CC101939		0.10	0.3	2.39	81	<10	160	<0.5	3	0.96	<0.5	19	46	64	3.34	10
CC101940		0.06	0.3	2.38	79	<10	160	<0.5	3	0.93	<0.5	18	46	62	3.34	10
CC101941		0.06	0.2	2.33	75	<10	160	<0.5	3	0.79	<0.5	19	46	59	3.33	10
CC101942		0.08	0.3	2.51	85	<10	170	<0.5	2	0.89	<0.5	19	45	63	3.35	10
CC101943		0.10	0.2	2.46	76	<10	170	<0.5	3	0.94	<0.5	18	44	62	3.33	10
CC101944		0.06	0.2	2.62	84	<10	180	<0.5	3	1.06	<0.5	19	47	62	3.40	10
CC101945		0.10	0.4	2.58	83	<10	180	<0.5	3	1.02	<0.5	19	46	65	3.38	10
CC101946		0.08	0.2	2.36	78	<10	160	<0.5	4	0.95	<0.5	18	48	62	3.35	10
CC101947		0.08	0.3	2.15	40	<10	160	<0.5	2	0.71	<0.5	17	40	45	3.07	10
CC101948		0.10	0.4	2.12	51	<10	150	<0.5	3	0.92	<0.5	24	38	48	3.48	10
CC101949		0.08	0.3	2.08	56	<10	150	<0.5	4	1.00	<0.5	23	38	45	3.38	10
CC101950		0.08	0.4	2.04	62	<10	170	<0.5	<2	0.89	<0.5	33	37	50	3.71	10
CC101951		0.10	0.2	2.20	15	<10	240	<0.5	<2	0.91	<0.5	19	57	53	3.29	10
CC101952		0.14	0.4	2.26	61	<10	240	0.5	<2	0.83	0.6	17	57	56	3.44	10
CC101953		0.14	0.2	1.36	16	<10	90	<0.5	<2	0.66	<0.5	12	31	34	2.87	10
CC101954		0.20	0.2	2.33	36	<10	280	0.5	<2	0.75	<0.5	20	60	49	3.53	10
CC101955		0.10	0.2	1.01	11	<10	120	<0.5	<2	0.72	<0.5	10	27	26	2.47	<10
CC101956		0.12	0.2	1.85	20	<10	210	<0.5	<2	0.82	<0.5	18	68	45	3.09	10
CC101957		0.14	<0.2	2.27	44	<10	230	0.5	<2	0.72	<0.5	21	129	40	3.77	10
CC101958		0.20	0.2	2.54	179	<10	240	0.5	<2	0.72	<0.5	25	214	65	3.68	10
CC101959		0.12	<0.2	2.79	134	<10	180	0.6	<2	0.83	<0.5	30	222	71	3.83	10
CC101960		0.10	<0.2	2.46	53	<10	210	0.7	<2	0.79	<0.5	19	122	50	3.61	10
CC101961		0.10	0.2	3.39	77	<10	280	0.9	<2	0.95	<0.5	28	252	63	4.12	10
CC101962		0.12	<0.2	3.01	81	<10	260	0.7	<2	0.83	<0.5	23	231	44	3.93	10
CC101963		0.14	0.2	2.49	57	<10	200	0.5	<2	0.89	<0.5	24	167	50	3.41	10
CC101964		0.14	0.2	1.71	22	<10	170	<0.5	<2	0.82	<0.5	16	75	34	2.85	10
CC101965		0.16	0.2	1.92	47	<10	180	<0.5	<2	0.56	<0.5	19	99	36	3.29	10
CC101966		0.16	0.2	1.80	20	<10	220	<0.5	<2	0.55	<0.5	18	54	35	3.10	10
CC101967		0.20	0.2	1.64	13	<10	180	<0.5	<2	0.55	<0.5	14	36	32	2.85	10
CC101968		0.26	<0.2	2.28	53	<10	250	0.5	<2	0.74	<0.5	17	78	55	3.47	10
CC101969		0.14	0.2	1.93	21	<10	140	<0.5	<2	0.55	<0.5	18	36	33	3.12	10
CC101970		0.14	0.2	2.15	32	<10	220	<0.5	<2	0.66	<0.5	15	49	41	3.40	10



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Project: Tarsis White River

CERTIFICATE OF ANALYSIS VA10098847

Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC101931		<1	0.05	10	0.58	749	1	0.04	28	630	5	0.05	<2	4	41	<20
CC101932		<1	0.05	10	1.05	617	1	0.05	63	770	5	0.07	<2	5	51	<20
CC101933		<1	0.05	10	0.94	587	1	0.05	54	1000	5	0.10	<2	4	52	<20
CC101934		1	0.05	10	1.03	588	1	0.05	61	780	6	0.07	2	5	50	<20
CC101935		<1	0.06	10	0.85	509	1	0.05	70	730	5	0.07	<2	5	56	<20
CC101936		<1	0.05	10	0.85	517	1	0.06	69	750	5	0.08	2	5	57	<20
CC101937		1	0.05	10	0.81	522	1	0.05	64	740	4	0.07	<2	5	54	<20
CC101938		<1	0.05	10	0.83	532	1	0.05	65	730	5	0.07	<2	5	56	<20
CC101939		<1	0.05	10	0.82	500	1	0.05	63	690	5	0.07	<2	5	55	<20
CC101940		<1	0.05	10	0.82	502	1	0.05	63	700	4	0.07	<2	5	52	<20
CC101941		<1	0.04	10	0.79	493	1	0.05	60	580	4	0.06	<2	5	46	<20
CC101942		<1	0.05	10	0.78	525	2	0.05	63	780	3	0.08	<2	5	49	<20
CC101943		<1	0.05	10	0.78	509	1	0.05	63	730	4	0.08	<2	5	51	<20
CC101944		<1	0.05	10	0.80	564	1	0.05	66	840	3	0.09	3	5	53	<20
CC101945		1	0.05	10	0.80	557	2	0.05	65	850	4	0.09	<2	5	54	<20
CC101946		1	0.05	10	0.84	490	1	0.05	63	670	5	0.06	<2	5	51	<20
CC101947		<1	0.05	10	0.65	938	1	0.05	47	950	5	0.09	<2	4	48	<20
CC101948		1	0.05	10	0.66	1790	2	0.05	53	840	4	0.08	<2	5	56	<20
CC101949		1	0.05	10	0.67	1595	1	0.05	50	960	4	0.10	<2	4	55	<20
CC101950		<1	0.04	10	0.64	3120	2	0.04	58	810	6	0.08	<2	4	57	<20
CC101951		<1	0.05	10	0.89	1125	1	0.04	77	870	7	0.08	<2	6	51	<20
CC101952		1	0.05	10	0.91	870	1	0.04	45	900	8	0.08	<2	5	50	<20
CC101953		<1	0.04	10	0.48	484	1	0.04	20	840	5	0.10	<2	3	39	<20
CC101954		1	0.07	10	0.92	1200	1	0.04	41	820	8	0.07	<2	6	60	<20
CC101955		<1	0.05	10	0.37	513	1	0.04	20	810	5	0.12	<2	2	38	<20
CC101956		<1	0.06	10	0.79	917	1	0.04	50	790	4	0.10	<2	4	48	<20
CC101957		1	0.07	10	1.19	810	1	0.04	80	790	5	0.08	<2	5	47	<20
CC101958		<1	0.15	10	1.87	509	1	0.05	202	620	2	0.07	2	6	53	<20
CC101959		<1	0.11	10	1.90	567	1	0.04	216	810	3	0.11	<2	5	59	<20
CC101960		<1	0.12	10	1.28	560	1	0.05	93	930	5	0.11	<2	5	58	<20
CC101961		<1	0.12	10	2.52	855	1	0.04	276	910	2	0.10	2	7	54	<20
CC101962		1	0.13	10	1.98	613	1	0.05	155	760	5	0.09	<2	6	70	<20
CC101963		<1	0.06	10	1.50	694	1	0.05	151	820	3	0.10	<2	4	60	<20
CC101964		1	0.06	10	0.79	694	1	0.04	54	810	4	0.10	<2	4	48	<20
CC101965		<1	0.06	10	0.97	839	2	0.04	66	600	10	0.07	<2	4	42	<20
CC101966		<1	0.06	10	0.72	833	1	0.04	41	660	5	0.07	<2	4	39	<20
CC101967		<1	0.04	10	0.51	768	1	0.03	24	770	6	0.07	<2	3	36	<20
CC101968		<1	0.09	10	1.09	585	1	0.05	59	820	4	0.06	<2	6	58	<20
CC101969		<1	0.04	10	0.58	1070	1	0.04	27	790	6	0.07	<2	4	36	<20
CC101970		<1	0.05	10	0.84	724	1	0.04	37	730	8	0.07	<2	5	44	<20



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CERTIFICATE OF ANALYSIS VA10098847

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm
		0.01	10	10	1	10	2	0.0001
CC101931		0.09	<10	<10	64	<10	55	0.0020
CC101932		0.07	<10	<10	85	<10	66	0.0070
CC101933		0.06	<10	<10	76	<10	75	0.0048
CC101934		0.07	<10	<10	84	<10	66	0.0059
CC101935		0.07	<10	<10	77	<10	60	0.0096
CC101936		0.07	<10	<10	76	<10	59	NSS
CC101937		0.08	<10	<10	75	<10	66	0.0078
CC101938		0.08	<10	<10	77	<10	66	0.0074
CC101939		0.08	<10	<10	75	<10	64	0.0082
CC101940		0.08	<10	<10	76	<10	67	0.0104
CC101941		0.09	<10	<10	74	<10	57	0.0063
CC101942		0.08	<10	<10	73	<10	63	0.0055
CC101943		0.08	<10	<10	73	<10	63	0.0076
CC101944		0.08	<10	<10	75	<10	70	0.0061
CC101945		0.07	<10	<10	75	<10	68	0.0055
CC101946		0.08	<10	<10	76	<10	64	0.0122
CC101947		0.07	<10	<10	68	<10	51	0.0047
CC101948		0.07	<10	<10	69	<10	63	0.0087
CC101949		0.07	<10	<10	69	<10	65	0.0092
CC101950		0.07	<10	<10	73	<10	67	0.0055
CC101951		0.09	<10	<10	80	<10	79	0.0018
CC101952		0.10	<10	<10	82	<10	87	0.0027
CC101953		0.07	<10	<10	66	<10	49	0.0014
CC101954		0.10	<10	<10	92	<10	85	0.0019
CC101955		0.06	<10	<10	54	<10	69	NSS
CC101956		0.09	<10	<10	72	<10	72	0.0030
CC101957		0.12	<10	<10	88	<10	116	0.0034
CC101958		0.12	<10	<10	89	<10	64	0.0169
CC101959		0.13	<10	<10	87	<10	64	0.0120
CC101960		0.12	<10	<10	92	<10	70	0.0072
CC101961		0.12	<10	<10	104	<10	65	0.0067
CC101962		0.14	<10	<10	103	<10	68	0.0085
CC101963		0.10	<10	<10	77	<10	69	0.0071
CC101964		0.09	<10	<10	67	<10	67	NSS
CC101965		0.11	<10	<10	81	<10	73	0.0039
CC101966		0.10	<10	<10	75	<10	68	0.0033
CC101967		0.08	<10	<10	71	<10	62	NSS
CC101968		0.13	<10	<10	89	<10	64	0.0036
CC101969		0.09	<10	<10	75	<10	67	0.0017
CC101970		0.10	<10	<10	80	<10	76	0.0025



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CERTIFICATE OF ANALYSIS VA10098847

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC101971		0.14	0.2	2.03	13	<10	230	<0.5	<2	0.72	<0.5	15	44	33	3.09	10
CC101972		0.18	0.2	1.78	14	<10	170	<0.5	<2	0.67	<0.5	17	54	29	2.89	<10
CC101973		0.22	0.2	1.85	59	<10	170	0.5	<2	0.62	<0.5	13	41	53	3.35	10
CC101974		0.14	0.3	2.52	34	<10	240	0.6	<2	0.53	<0.5	17	45	44	3.88	10
CC101975		0.28	<0.2	5.74	29	<10	70	<0.5	<2	5.16	<0.5	41	84	83	3.92	10
CC101976		0.24	0.3	5.10	104	<10	70	<0.5	<2	2.19	0.7	50	94	134	4.76	10
CC101977		0.20	<0.2	3.99	18	<10	50	<0.5	<2	0.62	<0.5	64	228	418	5.86	10
CC101978		0.22	0.2	1.65	36	10	70	<0.5	<2	0.78	<0.5	114	670	40	4.54	<10
CC101979		0.14	0.2	1.51	11	<10	120	<0.5	<2	1.53	<0.5	16	43	38	2.53	10
CC101980		0.14	0.5	1.59	44	<10	180	0.5	<2	0.80	<0.5	15	37	36	2.87	<10
CC101981		0.16	0.4	1.74	25	<10	200	0.5	<2	0.75	<0.5	15	33	35	3.27	<10
CC101982		0.16	0.2	1.29	7	<10	50	<0.5	<2	0.36	<0.5	7	28	25	3.10	10
CC101983		0.12	<0.2	2.14	45	<10	160	0.7	<2	0.88	<0.5	14	37	37	3.61	10
CC101984		0.14	0.2	0.82	7	<10	90	<0.5	<2	0.66	<0.5	6	23	24	2.23	<10
CC101985		0.14	<0.2	1.90	26	<10	150	0.5	<2	1.02	<0.5	16	39	38	2.91	<10
CC101986		0.18	<0.2	1.23	34	<10	80	0.6	<2	0.44	<0.5	14	27	24	2.60	10
CC101987		0.16	<0.2	1.49	34	<10	110	0.7	<2	0.67	<0.5	17	31	31	2.79	<10
CC101991		0.08	1.9	1.45	28	<10	110	<0.5	<2	1.57	<0.5	17	26	48	2.24	<10
CC101992		0.08	<0.2	2.18	84	<10	140	<0.5	<2	0.91	<0.5	17	42	60	3.25	10
CC101993		0.06	<0.2	2.18	77	<10	150	<0.5	<2	0.90	<0.5	18	43	58	3.30	10
CC101994		0.06	<0.2	2.33	138	<10	160	<0.5	<2	0.91	<0.5	20	44	56	3.16	<10
CC101995		0.06	<0.2	2.25	133	<10	150	<0.5	<2	0.86	<0.5	20	44	55	3.10	<10
CC101996		0.10	<0.2	2.37	130	<10	160	<0.5	<2	0.88	<0.5	19	44	55	3.03	10
CC101997		0.08	<0.2	2.32	122	<10	160	<0.5	<2	0.96	<0.5	19	44	53	3.07	<10
CC101998		0.12	<0.2	2.44	121	<10	160	<0.5	<2	0.70	<0.5	18	51	58	3.57	10
CC101999		0.10	<0.2	2.03	77	<10	140	<0.5	<2	0.62	<0.5	18	43	49	3.38	10
CC101025		0.10	<0.2	1.36	20	<10	190	<0.5	<2	1.31	<0.5	13	42	68	2.39	<10
CC101026		0.08	<0.2	1.20	10	<10	120	<0.5	<2	0.88	<0.5	12	27	28	2.32	<10
CC101027		0.14	<0.2	2.02	53	<10	170	0.5	<2	0.82	<0.5	15	53	54	3.10	10
CC101028		0.10	<0.2	2.24	21	<10	200	0.6	<2	0.82	<0.5	16	62	41	3.42	<10
CC101029		0.16	<0.2	2.23	19	<10	200	0.5	<2	0.73	<0.5	18	63	39	3.38	<10
CC101030		0.14	<0.2	1.72	20	<10	180	<0.5	<2	0.86	<0.5	17	47	36	3.09	<10
CC101031		0.10	<0.2	0.75	21	<10	70	<0.5	<2	0.41	<0.5	5	21	17	1.94	<10
CC101032		0.16	<0.2	1.78	386	<10	100	1.3	<2	0.58	<0.5	18	32	66	4.20	10
CC101001		0.16	<0.2	1.59	11	<10	150	<0.5	<2	0.66	<0.5	13	33	26	3.03	10
CC101002		0.16	<0.2	2.50	52	<10	240	0.6	<2	0.64	<0.5	19	71	84	3.89	10
CC101003		0.22	<0.2	2.53	53	<10	170	0.7	2	0.73	<0.5	16	51	49	3.80	10
CC101004		0.22	<0.2	1.87	40	<10	150	0.5	<2	0.54	<0.5	12	36	32	3.10	<10
CC101005		0.16	<0.2	1.92	18	<10	130	0.6	<2	0.54	<0.5	13	46	34	3.15	<10
CC101006		0.14	<0.2	2.13	17	<10	170	0.5	<2	0.58	<0.5	14	50	32	3.22	<10



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Project: Tarsis White River

CERTIFICATE OF ANALYSIS VA10098847

Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC101971		<1	0.05	10	0.78	755	1	0.05	48	660	5	0.05	<2	5	47	<20
CC101972		<1	0.05	10	0.96	407	<1	0.05	121	550	4	0.03	<2	5	39	<20
CC101973		<1	0.13	20	0.75	445	<1	0.05	33	710	8	0.03	<2	7	34	<20
CC101974		<1	0.07	10	0.72	649	1	0.04	38	700	6	0.04	<2	6	37	<20
CC101975		1	0.12	<10	1.95	991	<1	0.05	47	400	<2	0.03	<2	12	115	<20
CC101976		1	0.12	<10	2.49	906	<1	0.12	87	560	4	0.05	<2	13	129	<20
CC101977		1	0.04	<10	5.47	630	<1	0.03	379	520	<2	0.05	<2	9	32	<20
CC101978		<1	0.03	<10	11.50	1015	<1	0.03	1250	310	3	0.04	6	7	31	<20
CC101979		1	0.04	10	0.72	602	<1	0.05	58	870	3	0.11	<2	4	47	<20
CC101980		<1	0.06	10	0.60	537	1	0.04	30	1090	2	0.15	<2	2	50	<20
CC101981		<1	0.08	10	0.59	773	1	0.04	28	780	5	0.08	<2	3	47	<20
CC101982		<1	0.04	<10	0.35	291	1	0.03	18	550	10	0.07	<2	2	21	<20
CC101983		<1	0.06	10	0.61	652	1	0.04	30	800	9	0.07	<2	4	48	<20
CC101984		<1	0.04	10	0.26	375	1	0.04	16	740	4	0.10	<2	2	34	<20
CC101985		<1	0.07	10	0.61	692	1	0.04	36	930	6	0.10	<2	4	53	<20
CC101986		<1	0.05	10	0.40	573	1	0.03	19	540	11	0.05	<2	3	27	<20
CC101987		<1	0.05	10	0.47	698	1	0.03	21	770	9	0.07	2	3	37	<20
CC101991		1	0.05	10	0.52	1325	1	0.04	37	1150	7	0.15	<2	3	66	<20
CC101992		<1	0.04	10	0.81	525	<1	0.04	42	610	5	0.05	<2	5	47	<20
CC101993		<1	0.05	10	0.85	532	<1	0.04	43	600	9	0.05	3	5	48	<20
CC101994		<1	0.05	10	0.76	565	1	0.04	49	850	4	0.08	<2	3	45	<20
CC101995		1	0.05	10	0.74	548	1	0.04	47	800	7	0.08	<2	3	42	<20
CC101996		<1	0.04	10	0.72	581	1	0.04	42	740	7	0.07	<2	4	45	<20
CC101997		<1	0.05	10	0.73	604	1	0.04	40	750	5	0.08	3	4	46	<20
CC101998		<1	0.04	10	0.89	510	1	0.04	66	800	9	0.07	2	4	39	<20
CC101999		1	0.04	10	0.64	566	1	0.03	36	790	8	0.07	2	3	40	<20
CC101025		<1	0.06	10	0.59	547	1	0.04	30	890	6	0.13	<2	3	61	<20
CC101026		<1	0.04	10	0.39	642	1	0.04	17	820	6	0.10	<2	2	46	<20
CC101027		<1	0.07	10	0.78	542	1	0.04	40	760	7	0.08	2	4	46	<20
CC101028		<1	0.08	10	0.90	585	1	0.04	44	850	7	0.08	<2	4	45	<20
CC101029		<1	0.07	10	0.83	836	1	0.04	47	810	7	0.06	3	5	40	<20
CC101030		<1	0.05	10	0.68	1030	1	0.04	41	1180	6	0.10	<2	4	47	<20
CC101031		<1	0.04	10	0.22	120	1	0.03	10	450	7	0.06	2	2	30	<20
CC101032		<1	0.11	20	0.55	391	1	0.02	25	630	9	0.07	22	4	42	<20
CC101001		<1	0.06	10	0.53	572	1	0.04	21	720	6	0.07	<2	2	39	<20
CC101002		<1	0.12	10	1.03	608	1	0.05	58	690	7	0.06	2	5	43	<20
CC101003		<1	0.10	20	0.79	607	1	0.03	41	720	8	0.06	<2	5	38	<20
CC101004		1	0.05	10	0.52	390	1	0.04	25	700	10	0.07	2	3	39	<20
CC101005		<1	0.07	10	0.71	472	1	0.04	32	560	10	0.05	3	4	34	<20
CC101006		<1	0.07	10	0.77	494	1	0.04	33	680	6	0.06	2	5	37	<20



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Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm
		0.01	10	10	1	10	2	0.0001
CC101971		0.11	<10	<10	78	<10	67	0.0021
CC101972		0.12	<10	<10	71	<10	57	0.0022
CC101973		0.12	<10	<10	68	<10	59	0.0031
CC101974		0.10	<10	<10	85	<10	62	0.0022
CC101975		0.12	<10	<10	113	<10	41	0.0011
CC101976		0.10	<10	<10	116	<10	72	0.0029
CC101977		0.08	<10	<10	102	<10	82	0.0129
CC101978		0.09	<10	<10	64	<10	49	0.0017
CC101979		0.06	<10	<10	58	<10	55	0.0014
CC101980		0.05	<10	<10	56	<10	46	0.0033
CC101981		0.08	<10	<10	64	<10	63	0.0017
CC101982		0.07	<10	<10	69	<10	59	0.0022
CC101983		0.08	<10	<10	72	<10	68	0.0019
CC101984		0.06	<10	<10	50	<10	37	NSS
CC101985		0.07	<10	<10	64	<10	69	NSS
CC101986		0.06	<10	<10	58	<10	53	0.0076
CC101987		0.06	<10	<10	61	<10	57	0.0033
CC101991		0.04	<10	<10	42	<10	49	NSS
CC101992		0.07	<10	<10	80	<10	57	0.0109
CC101993		0.07	<10	<10	81	<10	57	NSS
CC101994		0.06	<10	<10	67	<10	65	NSS
CC101995		0.06	<10	<10	66	<10	59	NSS
CC101996		0.06	<10	<10	63	<10	59	0.0088
CC101997		0.06	<10	<10	64	<10	61	NSS
CC101998		0.07	<10	<10	80	<10	63	0.0329
CC101999		0.07	<10	<10	79	<10	47	0.0068
CC101025		0.06	<10	<10	53	<10	57	NSS
CC101026		0.05	<10	<10	47	<10	45	NSS
CC101027		0.08	<10	<10	70	<10	62	0.0050
CC101028		0.09	<10	<10	79	<10	68	0.0080
CC101029		0.09	<10	<10	75	<10	66	0.0033
CC101030		0.06	<10	<10	69	<10	56	NSS
CC101031		0.06	<10	<10	55	<10	30	0.0117
CC101032		0.06	<10	<10	60	<10	46	0.0726
CC101001		0.07	<10	<10	65	<10	58	0.0016
CC101002		0.10	<10	<10	87	<10	69	0.0048
CC101003		0.08	<10	<10	80	<10	65	0.0036
CC101004		0.07	<10	<10	68	<10	50	0.0037
CC101005		0.10	<10	<10	73	<10	59	0.0031
CC101006		0.09	<10	<10	74	<10	61	0.0029



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC101007		0.22	<0.2	2.07	14	<10	190	0.5	<2	0.69	<0.5	15	52	37	3.11	10
CC101008		0.18	<0.2	1.57	468	<10	90	1.6	<2	0.59	<0.5	15	30	46	3.30	<10
CC101009		0.18	<0.2	1.05	12	<10	90	<0.5	<2	0.54	<0.5	12	27	26	2.73	<10
CC84890		0.04	<0.2	1.21	17	<10	140	<0.5	<2	1.05	<0.5	16	41	24	2.38	<10
CC84891		0.06	<0.2	3.61	193	<10	350	0.8	<2	0.72	<0.5	23	319	64	3.88	10
CC84892		0.08	<0.2	2.65	62	<10	180	0.6	<2	0.59	<0.5	18	123	39	3.59	10
CC84893		0.08	<0.2	2.50	101	<10	120	0.6	<2	0.49	<0.5	20	161	39	3.49	10
CC84894		0.06	<0.2	2.05	17	<10	140	0.8	<2	0.57	<0.5	15	39	37	3.50	10
CC84895		0.08	<0.2	1.59	9	<10	160	<0.5	<2	0.46	<0.5	12	37	25	3.73	10
CC84896		0.08	<0.2	2.16	21	<10	160	0.7	<2	0.61	<0.5	15	46	40	3.52	<10
CC84897		0.06	<0.2	1.48	10	<10	110	<0.5	<2	0.47	<0.5	11	31	20	3.16	<10
CC84898		0.08	<0.2	2.59	30	<10	190	0.8	<2	0.57	<0.5	19	77	63	3.60	10
CC84899		0.22	<0.2	2.57	62	<10	140	1.0	<2	0.50	<0.5	26	56	58	5.29	10



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Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC101007		<1	0.07	10	0.70	567	<1	0.04	38	720	7	0.07	<2	5	39	<20
CC101008		<1	0.12	20	0.58	409	<1	0.03	24	520	9	0.08	31	4	49	<20
CC101009		1	0.05	10	0.37	590	1	0.03	17	610	7	0.07	2	2	31	<20
CC84890		<1	0.07	10	0.55	680	1	0.04	27	1300	5	0.14	2	2	55	<20
CC84891		<1	0.30	10	2.28	435	<1	0.07	185	480	8	0.05	2	7	100	<20
CC84892		<1	0.07	10	1.52	569	1	0.04	91	750	6	0.06	2	4	40	<20
CC84893		<1	0.11	10	1.63	348	1	0.02	109	510	6	0.03	2	5	25	<20
CC84894		<1	0.10	30	0.73	606	1	0.03	32	810	10	0.08	2	4	39	<20
CC84895		<1	0.04	10	0.64	490	1	0.04	23	670	8	0.07	<2	2	33	<20
CC84896		<1	0.07	20	0.77	638	1	0.04	42	810	10	0.08	2	3	39	<20
CC84897		<1	0.04	10	0.53	540	1	0.04	18	680	7	0.06	<2	3	33	<20
CC84898		<1	0.06	20	0.97	770	1	0.05	66	1090	7	0.11	<2	4	42	<20
CC84899		<1	0.13	30	0.91	797	<1	0.03	52	730	9	0.03	5	7	33	<20



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CERTIFICATE OF ANALYSIS VA10098847

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Ti ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Au-ST44 Au ppm 0.0001
CC101007		0.08	<10	<10	70	<10	60	0.0032
CC101008		0.06	<10	<10	51	<10	48	0.0612
CC101009		0.06	10	<10	60	<10	62	0.0069
CC84890		0.05	<10	<10	54	<10	62	NSS
CC84891		0.16	<10	<10	117	<10	48	0.0048
CC84892		0.10	<10	<10	87	<10	57	0.0086
CC84893		0.11	<10	<10	87	<10	53	0.0260
CC84894		0.08	<10	<10	70	<10	70	0.0031
CC84895		0.07	<10	<10	86	<10	73	0.0030
CC84896		0.07	<10	<10	71	<10	80	0.0027
CC84897		0.08	<10	<10	73	<10	62	0.0022
CC84898		0.08	<10	<10	81	<10	72	0.0037
CC84899		0.09	<10	<10	77	<10	69	0.0051



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Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.



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CERTIFICATE VA10096672

Project: Tarsis White River

P.O. No.:

This report is for 278 Soil samples submitted to our lab in Vancouver, BC, Canada on 19-JUL-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER

BILL WENGZYNOWSKI

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-ST44	Super Trace Au - 50g AR	ICP-MS
Au-OG44	Ore Grade Au - 50g AR	ICP-MS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
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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CERTIFICATE OF ANALYSIS VA10096672

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC101671		0.10	<0.2	1.35	31	<10	110	<0.5	<2	0.67	<0.5	13	38	33	2.81	<10
CC101672		0.14	<0.2	1.30	43	<10	90	0.6	<2	0.44	<0.5	17	31	43	3.45	10
CC101673		0.16	<0.2	1.51	17	<10	110	<0.5	<2	0.46	<0.5	13	31	24	2.89	10
CC101674		0.14	<0.2	1.99	29	<10	180	0.5	<2	0.63	<0.5	15	46	39	3.13	10
CC101675		0.12	<0.2	1.20	38	<10	100	<0.5	<2	0.57	<0.5	10	28	20	2.41	<10
CC101676		0.12	0.2	0.88	17	<10	90	<0.5	<2	0.17	<0.5	6	27	22	2.09	10
CC101677		0.14	0.3	1.61	205	<10	160	0.5	2	0.61	<0.5	23	41	51	2.86	10
CC101678		0.12	<0.2	1.01	20	<10	50	<0.5	2	2.05	<0.5	7	18	101	1.77	<10
CC101679		0.16	<0.2	1.10	22	<10	280	<0.5	<2	0.89	<0.5	14	25	77	2.20	<10
CC101680		0.14	0.2	0.58	10	<10	80	<0.5	2	0.53	<0.5	3	17	21	1.41	<10
CC101681		0.12	0.4	2.09	43	<10	320	0.5	3	0.34	<0.5	17	73	52	3.51	10
CC101682		0.12	0.2	0.99	9	<10	60	<0.5	3	0.97	<0.5	7	20	37	1.92	<10
CC101683		0.14	0.3	0.88	19	<10	160	<0.5	2	1.76	<0.5	5	19	92	1.50	<10
CC101684		0.14	0.3	1.48	386	<10	270	0.5	3	0.60	<0.5	14	61	41	3.04	10
CC101685		0.16	0.2	3.67	251	<10	1150	1.2	3	0.44	<0.5	38	204	54	4.51	10
CC101686		0.10	0.3	0.61	9	<10	70	<0.5	3	0.32	<0.5	4	21	20	1.47	<10
CC101687		0.16	0.4	2.30	1240	<10	590	0.6	3	0.90	<0.5	19	110	46	3.49	10
CC101688		0.16	0.3	1.59	257	<10	220	<0.5	3	0.30	<0.5	14	44	49	3.30	10
CC101689		0.14	0.2	1.07	39	<10	140	<0.5	2	0.35	<0.5	8	21	19	2.46	<10
CC101690		0.16	0.3	1.67	25	<10	160	<0.5	3	0.56	<0.5	15	34	27	2.79	10
CC101691		0.08	0.4	1.83	43	<10	130	0.5	4	0.53	<0.5	12	37	52	3.17	10
CC101692		0.06	0.4	1.83	43	<10	140	0.5	3	0.53	<0.5	12	37	53	3.21	10
CC101693		0.08	0.3	1.73	37	<10	100	<0.5	3	0.45	<0.5	12	37	46	3.21	10
CC101694		0.08	0.2	1.61	19	<10	140	<0.5	7	0.46	<0.5	11	34	28	3.24	10
CC101695		0.08	0.2	1.61	18	<10	190	0.5	2	1.01	<0.5	12	43	52	2.88	<10
CC101696		0.08	0.2	2.76	38	<10	210	0.9	4	0.64	<0.5	22	102	70	4.61	10
CC101697		0.12	0.2	1.89	33	<10	170	0.6	3	0.86	<0.5	16	71	59	3.12	10
CC101698		0.14	0.2	2.58	31	<10	180	0.6	2	0.68	<0.5	18	172	57	3.52	10
CC101699		0.10	0.2	1.81	147	<10	190	<0.5	2	0.81	<0.5	14	38	31	3.63	10
CC101700		0.04	0.2	1.17	11	<10	110	<0.5	3	0.78	<0.5	13	29	26	2.87	<10
CC101701		0.06	0.6	1.58	94	<10	50	<0.5	4	0.54	<0.5	25	23	408	4.44	<10
CC101702		0.06	0.2	2.02	13	<10	150	<0.5	2	0.68	<0.5	18	38	39	3.93	10
CC101703		0.08	<0.2	2.84	7	<10	100	<0.5	2	0.79	<0.5	35	108	169	3.89	10
CC101704		0.08	0.2	2.43	15	<10	120	<0.5	3	1.12	<0.5	27	127	85	3.31	10
CC101705		0.06	0.3	1.04	16	<10	100	<0.5	2	0.65	<0.5	11	30	21	2.66	<10
CC101706		0.08	0.3	1.84	19	<10	130	<0.5	3	1.20	<0.5	21	67	48	2.94	10
CC101707		0.06	0.4	1.52	11	<10	130	<0.5	2	1.33	<0.5	15	43	38	2.47	<10
CC101708		0.08	0.3	1.50	10	<10	150	<0.5	2	1.16	<0.5	21	42	37	2.57	<10
CC101709		0.14	0.2	1.90	10	<10	140	<0.5	<2	1.31	<0.5	14	43	39	2.67	<10
CC101710		0.10	0.3	1.87	10	<10	210	<0.5	3	1.04	<0.5	16	51	41	2.67	10



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CERTIFICATE OF ANALYSIS	VA10096672
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Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC101671		<1	0.05	10	0.44	654	1	0.03	28	770	8	0.08	2	3	37	<20
CC101672		<1	0.06	10	0.32	707	1	0.03	22	540	12	0.06	<2	2	28	<20
CC101673		<1	0.06	10	0.45	494	1	0.03	23	640	8	0.06	<2	3	32	<20
CC101674		1	0.08	10	0.64	475	1	0.04	34	620	7	0.06	<2	4	45	<20
CC101675		<1	0.06	10	0.34	583	1	0.03	19	600	7	0.06	<2	3	32	<20
CC101676		<1	0.04	<10	0.21	156	1	0.03	16	350	6	0.04	<2	2	16	<20
CC101677		<1	0.04	10	0.45	1020	2	0.03	32	850	9	0.07	2	3	43	<20
CC101678		<1	0.03	10	0.27	377	<1	0.05	14	630	5	0.12	2	2	29	<20
CC101679		<1	0.04	10	0.41	752	1	0.04	20	620	6	0.08	<2	3	37	<20
CC101680		<1	0.03	<10	0.17	132	2	0.03	15	560	7	0.08	<2	1	29	<20
CC101681		<1	0.12	10	0.99	634	2	0.04	56	600	8	0.04	3	5	23	<20
CC101682		<1	0.03	10	0.27	197	1	0.04	16	600	3	0.09	<2	2	32	<20
CC101683		<1	0.02	10	0.15	102	2	0.03	34	780	2	0.17	<2	2	92	<20
CC101684		<1	0.09	10	0.69	437	2	0.03	55	710	10	0.07	4	3	42	<20
CC101685		<1	0.34	10	2.15	805	2	0.04	179	860	6	0.05	5	8	37	<20
CC101686		<1	0.03	<10	0.13	64	1	0.03	12	620	<2	0.10	<2	1	21	<20
CC101687		<1	0.19	10	1.33	516	2	0.06	80	730	20	0.06	4	5	115	<20
CC101688		<1	0.10	10	0.62	468	3	0.02	38	730	5	0.06	2	2	23	<20
CC101689		<1	0.06	10	0.23	318	1	0.03	15	510	6	0.04	<2	2	28	<20
CC101690		1	0.09	10	0.56	536	1	0.04	27	590	5	0.05	<2	4	40	<20
CC101691		<1	0.05	10	0.58	324	2	0.04	26	590	5	0.06	<2	4	30	<20
CC101692		<1	0.05	10	0.57	265	1	0.04	25	640	5	0.07	<2	4	30	<20
CC101693		1	0.05	10	0.54	309	2	0.04	25	510	5	0.05	<2	4	30	<20
CC101694		<1	0.06	10	0.49	398	1	0.04	22	510	5	0.06	<2	3	32	<20
CC101695		<1	0.08	20	0.67	496	1	0.04	37	1030	4	0.12	<2	3	52	<20
CC101696		1	0.18	20	1.30	716	2	0.04	88	990	7	0.07	2	6	38	<20
CC101697		<1	0.07	20	0.97	578	1	0.04	63	1030	5	0.12	3	3	46	<20
CC101698		<1	0.07	10	1.72	451	1	0.03	129	710	5	0.06	2	5	42	<20
CC101699		<1	0.13	10	0.77	626	2	0.05	23	710	6	0.06	<2	5	41	<20
CC101700		<1	0.05	10	0.52	581	1	0.05	22	650	6	0.10	<2	3	42	<20
CC101701		1	0.04	10	0.45	369	6	0.05	26	790	5	0.11	<2	3	31	<20
CC101702		<1	0.05	10	0.66	674	2	0.04	34	750	6	0.07	<2	3	38	<20
CC101703		<1	0.09	<10	2.78	453	1	0.04	149	320	4	0.02	<2	6	66	<20
CC101704		1	0.05	10	2.27	556	1	0.05	255	780	5	0.09	2	6	42	<20
CC101705		<1	0.05	<10	0.44	552	1	0.04	18	510	4	0.07	<2	2	35	<20
CC101706		<1	0.05	10	1.01	670	1	0.04	104	950	5	0.10	<2	4	48	<20
CC101707		<1	0.04	10	0.74	534	1	0.05	99	1000	4	0.10	<2	3	55	<20
CC101708		<1	0.03	10	0.66	1320	1	0.05	89	1010	4	0.09	<2	4	53	<20
CC101709		<1	0.05	10	0.77	476	1	0.05	72	800	5	0.08	<2	5	58	<20
CC101710		<1	0.06	10	0.82	598	1	0.05	71	710	3	0.07	<2	5	49	<20



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CERTIFICATE OF ANALYSIS VA10096672

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC101671		0.06	<10	<10	66	<10	63	0.0031	
CC101672		0.06	<10	<10	76	<10	58	0.0026	
CC101673		0.07	<10	<10	64	<10	65	0.0022	
CC101674		0.09	<10	<10	68	<10	62	NSS	
CC101675		0.06	<10	<10	52	<10	45	0.0077	
CC101676		0.06	<10	<10	53	<10	35	0.0025	
CC101677		0.07	<10	<10	69	<10	48	0.0035	
CC101678		0.04	<10	<10	39	<10	39	NSS	
CC101679		0.06	<10	<10	49	<10	47	0.0029	
CC101680		0.04	<10	<10	33	<10	34	0.0020	
CC101681		0.10	<10	<10	78	<10	61	0.0025	
CC101682		0.05	<10	<10	43	<10	28	NSS	
CC101683		0.04	<10	<10	28	<10	16	0.0046	
CC101684		0.05	<10	<10	54	<10	54	0.0036	
CC101685		0.10	<10	<10	103	<10	60	0.0024	
CC101686		0.04	<10	<10	37	<10	27	NSS	
CC101687		0.07	<10	<10	68	<10	50	0.0050	
CC101688		0.03	<10	<10	64	<10	58	0.0026	
CC101689		0.04	<10	<10	44	<10	39	0.0039	
CC101690		0.09	<10	<10	58	<10	63	0.0035	
CC101691		0.07	<10	<10	65	<10	50	0.0037	
CC101692		0.07	<10	<10	66	<10	50	0.0033	
CC101693		0.08	<10	<10	70	<10	49	0.0036	
CC101694		0.08	<10	<10	72	<10	49	0.0037	
CC101695		0.07	<10	<10	61	<10	55	NSS	
CC101696		0.11	<10	<10	98	<10	78	NSS	
CC101697		0.06	<10	<10	64	<10	59	0.0039	
CC101698		0.10	<10	<10	80	<10	67	0.0025	
CC101699		0.11	<10	<10	81	<10	67	NSS	
CC101700		0.07	<10	<10	61	<10	73	NSS	
CC101701		0.06	<10	<10	44	<10	47	NSS	
CC101702		0.08	<10	<10	85	<10	76	0.0021	
CC101703		0.16	<10	<10	93	<10	69	0.0064	
CC101704		0.08	<10	<10	74	<10	66	0.0039	
CC101705		0.08	<10	<10	69	<10	68	0.0026	
CC101706		0.07	<10	<10	71	<10	65	NSS	
CC101707		0.05	<10	<10	54	<10	69	NSS	
CC101708		0.06	<10	<10	52	<10	65	NSS	
CC101709		0.07	<10	<10	62	<10	67	NSS	
CC101710		0.09	<10	<10	66	<10	65	0.0017	



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC101711		0.06	<0.2	1.15	8	<10	140	<0.5	2	0.80	<0.5	7	26	29	2.03	<10
CC101712		0.06	0.3	1.11	14	<10	160	<0.5	3	0.91	<0.5	32	27	28	3.64	<10
CC101713		0.10	0.2	1.78	8	<10	140	<0.5	2	0.60	<0.5	13	38	20	2.70	10
CC101714		0.04	<0.2	0.90	7	<10	70	<0.5	2	0.38	<0.5	5	18	18	1.97	<10
CC101715		0.04	0.2	1.57	13	<10	140	<0.5	3	0.85	<0.5	17	35	28	2.92	<10
CC101716		0.12	<0.2	1.88	9	<10	150	<0.5	<2	0.83	<0.5	17	41	25	2.74	10
CC101717		0.06	<0.2	1.90	3	<10	130	<0.5	<2	0.83	<0.5	14	37	23	2.64	<10
CC101718		0.08	<0.2	1.94	6	<10	150	<0.5	<2	0.93	<0.5	16	37	25	2.75	10
CC101719		0.10	<0.2	2.34	11	<10	180	<0.5	<2	1.05	<0.5	15	42	33	3.19	<10
CC101720		0.08	<0.2	2.26	13	<10	170	<0.5	<2	1.12	<0.5	14	39	38	3.21	<10
CC101721		0.08	<0.2	1.25	8	<10	210	<0.5	<2	1.31	<0.5	14	30	29	2.42	<10
CC101722		0.20	<0.2	3.46	66	<10	240	0.7	<2	0.75	<0.5	25	266	70	4.67	10
CC101723		0.12	<0.2	2.40	24	<10	250	0.6	<2	1.05	<0.5	18	105	51	3.64	10
CC101724		0.12	<0.2	2.15	19	<10	190	0.6	<2	0.85	<0.5	17	67	41	3.41	10
CC101725		0.14	<0.2	2.44	29	<10	220	0.6	<2	0.91	<0.5	16	91	50	3.45	10
CC101726		0.12	<0.2	1.78	29	<10	210	0.5	<2	1.15	<0.5	19	67	68	3.00	<10
CC101727		0.16	<0.2	2.34	34	<10	180	0.7	<2	0.89	<0.5	15	64	38	3.44	10
CC101728		0.14	<0.2	1.36	18	<10	120	0.5	<2	0.78	<0.5	16	30	35	3.03	10
CC101729		0.10	<0.2	1.27	18	<10	150	0.5	<2	0.97	<0.5	14	35	40	3.11	10
CC101730		0.18	<0.2	2.54	74	<10	150	0.8	<2	0.42	<0.5	14	41	57	3.81	10
CC101731		0.10	<0.2	1.30	11	<10	120	<0.5	<2	0.87	<0.5	12	26	24	2.46	10
CC101732		0.14	<0.2	1.60	10	<10	70	<0.5	<2	0.44	<0.5	9	30	27	2.87	10
CC101733		0.16	<0.2	2.11	37	<10	150	0.6	<2	0.66	<0.5	17	38	53	3.52	10
CC101734		0.14	0.2	1.96	37	<10	150	0.6	<2	0.79	<0.5	15	34	40	3.13	10
CC101735		0.14	<0.2	1.49	6	<10	160	<0.5	<2	0.78	<0.5	23	28	23	2.71	<10
CC101736		0.10	<0.2	1.42	10	<10	80	<0.5	<2	0.48	<0.5	10	31	22	3.24	10
CC101737		0.14	<0.2	1.07	6	<10	50	<0.5	<2	0.28	<0.5	6	20	15	2.08	<10
CC101738		0.12	<0.2	1.42	25	<10	100	<0.5	<2	0.38	<0.5	10	29	24	2.51	<10
CC101739		0.12	<0.2	2.60	29	<10	190	0.9	<2	0.79	<0.5	14	57	41	3.85	10
CC101740		0.12	<0.2	2.61	50	<10	240	0.6	<2	1.17	<0.5	19	112	70	3.64	10
CC101741		0.14	<0.2	2.85	73	<10	230	0.6	<2	0.97	<0.5	23	190	74	4.17	10
CC101742		0.14	<0.2	2.66	50	<10	220	0.6	<2	0.90	<0.5	20	147	65	3.87	10
CC101743		0.12	<0.2	2.16	23	<10	200	0.5	<2	1.00	<0.5	20	80	60	3.33	<10
CC101744		0.12	<0.2	2.69	68	<10	250	0.7	<2	1.07	<0.5	24	132	110	4.23	10
CC101745		0.14	<0.2	3.96	118	<10	360	1.1	<2	1.03	<0.5	28	210	146	5.53	10
CC101746		0.14	<0.2	1.12	23	<10	90	<0.5	<2	0.51	<0.5	14	44	21	2.82	<10
CC101747		0.14	<0.2	2.03	28	<10	200	0.5	<2	1.04	<0.5	17	75	44	3.38	10
CC101748		0.12	<0.2	2.16	26	<10	160	0.8	2	0.78	<0.5	16	59	38	3.54	10
CC101749		0.14	<0.2	2.06	37	<10	160	0.6	<2	0.97	<0.5	15	74	44	3.23	10
CC101750		0.10	<0.2	1.61	9	<10	130	<0.5	<2	0.71	<0.5	14	32	26	3.06	10



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Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC101711		<1	0.03	10	0.36	204	1	0.04	20	520	3	0.06	<2	3	39	<20
CC101712		<1	0.03	10	0.37	3640	3	0.05	24	1040	5	0.09	<2	3	45	<20
CC101713		<1	0.04	10	0.70	346	1	0.04	27	590	4	0.04	<2	4	34	<20
CC101714		<1	0.02	10	0.15	210	2	0.04	10	510	3	0.06	<2	2	22	<20
CC101715		<1	0.05	10	0.61	1245	2	0.04	34	730	5	0.06	<2	4	42	<20
CC101716		<1	0.06	10	0.75	704	1	0.05	42	660	13	0.06	<2	5	42	<20
CC101717		<1	0.05	10	0.67	620	<1	0.05	27	640	6	0.06	<2	5	46	<20
CC101718		<1	0.05	10	0.69	858	1	0.05	39	750	7	0.08	<2	4	48	<20
CC101719		<1	0.05	10	0.74	615	1	0.06	34	710	8	0.07	<2	6	52	<20
CC101720		<1	0.05	10	0.73	573	1	0.05	29	790	6	0.09	<2	5	51	<20
CC101721		<1	0.05	10	0.47	960	1	0.06	23	860	6	0.15	<2	2	56	<20
CC101722		<1	0.29	10	2.60	468	1	0.06	186	550	5	0.06	4	8	48	<20
CC101723		1	0.11	10	1.25	652	1	0.05	75	810	6	0.10	<2	5	53	<20
CC101724		<1	0.09	10	0.90	710	1	0.05	50	950	7	0.11	3	4	46	<20
CC101725		<1	0.08	10	1.02	522	1	0.05	70	790	7	0.09	3	5	51	<20
CC101726		<1	0.07	10	0.83	2160	2	0.06	78	1070	6	0.15	<2	4	61	<20
CC101727		<1	0.09	20	0.90	496	1	0.04	47	820	10	0.09	<2	5	51	<20
CC101728		<1	0.07	10	0.50	682	1	0.05	24	840	8	0.11	<2	2	41	<20
CC101729		1	0.05	10	0.43	759	1	0.04	23	990	9	0.11	2	3	50	<20
CC101730		<1	0.11	20	0.81	356	<1	0.03	32	540	8	0.04	<2	5	28	<20
CC101731		1	0.04	10	0.42	428	1	0.05	16	830	6	0.11	<2	3	44	<20
CC101732		1	0.04	10	0.45	384	1	0.04	20	630	7	0.07	<2	2	28	<20
CC101733		1	0.07	10	0.64	661	1	0.04	29	770	7	0.08	<2	4	40	<20
CC101734		<1	0.06	10	0.62	663	1	0.04	26	760	7	0.10	<2	3	46	<20
CC101735		<1	0.04	10	0.39	1435	1	0.05	16	800	5	0.10	<2	3	46	<20
CC101736		<1	0.04	10	0.44	394	1	0.04	17	380	8	0.05	<2	3	26	<20
CC101737		<1	0.03	<10	0.27	228	1	0.04	10	290	5	0.04	<2	2	19	<20
CC101738		<1	0.04	10	0.34	310	1	0.04	15	620	7	0.08	<2	3	30	<20
CC101739		<1	0.10	20	0.86	539	1	0.04	42	990	7	0.10	2	5	45	<20
CC101740		<1	0.11	10	1.25	590	1	0.05	87	940	6	0.11	<2	6	63	<20
CC101741		<1	0.12	10	1.75	576	<1	0.06	143	890	8	0.10	2	6	58	<20
CC101742		<1	0.09	10	1.43	572	1	0.05	111	730	6	0.08	2	6	50	<20
CC101743		<1	0.09	10	1.01	555	<1	0.05	59	780	6	0.10	<2	5	54	<20
CC101744		<1	0.23	10	1.65	509	1	0.05	89	870	4	0.12	5	7	61	<20
CC101745		1	0.37	10	2.41	717	1	0.06	141	750	3	0.10	2	11	58	<20
CC101746		<1	0.06	<10	0.56	554	1	0.04	25	410	6	0.05	3	3	31	<20
CC101747		<1	0.10	10	0.98	651	1	0.05	56	1140	7	0.13	2	4	57	<20
CC101748		1	0.09	20	0.84	632	1	0.04	42	830	7	0.08	<2	4	44	<20
CC101749		1	0.11	20	1.01	608	1	0.05	56	910	7	0.10	<2	4	51	<20
CC101750		<1	0.05	10	0.61	603	1	0.05	23	610	8	0.10	2	3	41	<20



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CERTIFICATE OF ANALYSIS VA10096672

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC101711		0.06	<10	<10	47	<10	31	NSS	
CC101712		0.06	<10	<10	74	<10	50	0.0032	
CC101713		0.10	<10	<10	66	<10	60	0.0015	
CC101714		0.05	<10	<10	43	<10	19	NSS	
CC101715		0.09	<10	<10	68	<10	61	0.0011	
CC101716		0.10	<10	<10	71	<10	72	0.0045	
CC101717		0.10	<10	<10	73	<10	58	0.0026	
CC101718		0.09	<10	<10	70	<10	61	NSS	
CC101719		0.10	<10	<10	80	<10	65	0.0035	
CC101720		0.08	<10	<10	77	<10	68	0.0023	
CC101721		0.06	<10	<10	49	<10	64	0.0052	
CC101722		0.18	<10	<10	120	<10	69	0.0084	
CC101723		0.11	<10	<10	85	<10	66	0.0096	
CC101724		0.08	<10	<10	75	<10	61	0.0083	
CC101725		0.10	<10	<10	82	<10	64	0.0106	
CC101726		0.06	<10	<10	65	<10	62	0.0122	
CC101727		0.08	<10	<10	74	<10	81	0.0061	
CC101728		0.07	<10	<10	63	<10	67	0.0042	
CC101729		0.07	<10	<10	74	<10	61	0.0024	
CC101730		0.14	<10	<10	79	<10	57	0.0076	
CC101731		0.06	<10	<10	51	<10	45	0.0015	
CC101732		0.07	10	<10	64	<10	51	0.0022	
CC101733		0.09	<10	<10	75	<10	65	0.0060	
CC101734		0.08	<10	<10	65	<10	60	0.0064	
CC101735		0.06	<10	<10	58	<10	40	0.0023	
CC101736		0.10	<10	<10	78	<10	52	0.0018	
CC101737		0.07	<10	<10	48	<10	26	0.0023	
CC101738		0.07	<10	<10	55	<10	38	0.0049	
CC101739		0.08	<10	<10	79	<10	82	0.0027	
CC101740		0.10	<10	<10	84	<10	69	0.0059	
CC101741		0.11	<10	<10	100	<10	67	0.0031	
CC101742		0.11	<10	<10	93	<10	69	0.0046	
CC101743		0.09	<10	<10	82	<10	51	0.0026	
CC101744		0.12	<10	<10	105	<10	63	0.0074	
CC101745		0.14	10	<10	135	<10	67	0.0061	
CC101746		0.09	<10	<10	66	<10	39	0.0017	
CC101747		0.07	<10	<10	79	<10	83	0.0028	
CC101748		0.08	10	<10	75	<10	71	0.0029	
CC101749		0.08	<10	<10	68	<10	73	0.0028	
CC101750		0.07	<10	<10	64	<10	88	0.0069	



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Project: Tarsis White River

CERTIFICATE OF ANALYSIS VA10096672

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC101751		0.14	<0.2	1.82	162	<10	130	0.5	<2	0.69	<0.5	17	35	43	3.59	10
CC101752		0.12	<0.2	1.20	8	<10	90	<0.5	2	0.68	<0.5	10	28	30	2.54	<10
CC101753		0.16	<0.2	2.04	22	<10	120	0.6	2	0.70	<0.5	17	39	40	3.70	10
CC101754		0.14	<0.2	2.23	45	<10	150	0.6	2	0.64	<0.5	14	40	42	3.57	10
CC101755		0.12	<0.2	2.17	47	<10	120	0.5	<2	0.63	<0.5	16	39	52	3.52	10
CC101756		0.14	<0.2	2.42	41	<10	170	0.6	3	0.72	<0.5	18	41	53	3.72	10
CC101757		0.16	<0.2	2.21	68	<10	170	0.6	3	0.74	0.5	34	38	36	5.46	10
CC101758		0.16	<0.2	1.27	12	<10	100	<0.5	3	0.55	<0.5	12	24	24	2.34	<10
CC101759		0.10	0.2	1.38	18	<10	70	<0.5	3	0.45	<0.5	10	27	24	2.69	10
CC101760		0.12	<0.2	1.03	8	<10	100	<0.5	2	0.57	<0.5	10	26	19	2.58	10
CC101761		0.10	<0.2	1.34	15	<10	70	<0.5	<2	1.84	<0.5	12	26	48	2.29	<10
CC101762		0.08	<0.2	1.14	8	<10	70	<0.5	<2	1.98	<0.5	9	22	35	1.87	<10
CC101763		0.14	0.4	1.37	10	<10	100	<0.5	3	1.58	<0.5	13	33	43	2.38	<10
CC101764		0.12	0.3	1.43	9	<10	90	<0.5	<2	1.20	<0.5	11	43	48	2.50	<10
CC101765		0.14	<0.2	1.79	11	<10	100	<0.5	<2	1.14	<0.5	15	36	43	2.93	10
CC101766		0.12	0.2	1.58	12	<10	110	<0.5	2	1.65	<0.5	14	30	41	2.27	10
CC101767		0.16	<0.2	2.21	19	<10	160	<0.5	<2	1.11	<0.5	16	41	46	3.56	10
CC101768		0.16	0.2	2.27	15	<10	170	<0.5	<2	0.95	<0.5	14	46	42	3.19	10
CC101769		0.12	0.4	2.34	24	<10	180	<0.5	<2	1.03	<0.5	16	50	41	3.34	10
CC101770		0.10	<0.2	1.96	11	<10	140	<0.5	<2	0.94	<0.5	15	39	29	2.93	<10
CC101771		0.10	<0.2	2.03	10	<10	140	<0.5	3	0.84	<0.5	16	38	25	2.77	<10
CC101772		0.12	<0.2	1.90	11	<10	130	<0.5	<2	1.16	<0.5	15	32	29	2.58	<10
CC101773		0.12	<0.2	1.85	14	<10	150	<0.5	2	0.98	<0.5	18	46	60	2.79	10
CC101774		0.14	<0.2	1.99	15	<10	170	<0.5	<2	0.69	<0.5	15	46	34	2.98	<10
CC101775		0.08	0.2	1.38	10	<10	100	<0.5	2	0.55	<0.5	16	27	23	2.29	<10
CC101776		0.10	<0.2	1.21	11	<10	80	<0.5	3	0.55	<0.5	10	31	26	2.18	<10
CC101777		0.14	<0.2	1.81	23	<10	140	<0.5	3	1.13	0.5	25	62	48	2.95	<10
CC101778		0.14	<0.2	1.79	7	<10	100	<0.5	2	0.78	<0.5	9	33	28	2.34	10
CC101779		0.10	0.2	1.73	7	<10	100	<0.5	<2	0.84	<0.5	14	33	28	2.63	10
CC101780		0.12	<0.2	1.90	8	<10	110	<0.5	2	0.76	<0.5	14	34	25	2.62	<10
CC101781		0.14	<0.2	1.88	8	<10	120	<0.5	3	0.77	<0.5	14	33	26	2.77	10
CC101782		0.10	0.2	2.23	41	<10	170	<0.5	3	1.27	0.5	13	40	47	2.85	<10
CC101783		0.14	<0.2	2.27	12	<10	130	<0.5	2	1.05	<0.5	14	41	48	3.23	10
CC101784		0.12	<0.2	2.12	16	<10	120	<0.5	2	1.11	<0.5	16	46	47	3.32	10
CC101785		0.18	<0.2	2.25	16	<10	130	<0.5	2	0.75	<0.5	19	47	50	3.52	10
CC101786		0.16	<0.2	1.79	13	<10	100	<0.5	<2	0.88	<0.5	13	30	37	2.87	10
CC101787		0.12	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC101788		0.10	0.2	1.54	8	<10	110	<0.5	2	0.71	<0.5	12	28	29	2.84	10
CC101789		0.14	0.2	2.07	13	<10	140	<0.5	2	0.88	<0.5	16	39	36	3.29	10
CC101790		0.08	0.2	1.22	4	<10	100	<0.5	2	0.89	<0.5	8	26	26	2.26	<10



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Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC101751		<1	0.05	10	0.55	844	1	0.05	26	840	10	0.10	2	3	68	<20
CC101752		<1	0.05	10	0.50	488	1	0.07	24	640	8	0.11	<2	2	38	<20
CC101753		<1	0.06	10	0.57	703	1	0.06	31	870	9	0.09	<2	3	40	<20
CC101754		1	0.08	10	0.67	507	1	0.06	31	810	7	0.09	<2	4	40	<20
CC101755		<1	0.08	10	0.64	548	<1	0.06	30	870	7	0.09	<2	4	39	<20
CC101756		<1	0.07	10	0.68	764	1	0.06	32	940	8	0.11	<2	4	45	<20
CC101757		<1	0.06	10	0.63	2950	1	0.06	30	1110	6	0.12	<2	4	44	<20
CC101758		1	0.04	10	0.35	516	1	0.06	18	670	5	0.09	<2	2	31	<20
CC101759		<1	0.04	10	0.42	269	<1	0.05	20	550	8	0.07	2	2	29	<20
CC101760		1	0.07	10	0.34	526	1	0.07	15	610	3	0.10	<2	2	34	<20
CC101761		<1	0.06	10	0.56	664	<1	0.07	23	1020	4	0.19	<2	3	48	<20
CC101762		1	0.04	<10	0.45	325	<1	0.06	22	1140	3	0.23	<2	2	50	<20
CC101763		1	0.04	10	0.60	931	<1	0.07	26	1060	<2	0.17	<2	4	53	<20
CC101764		<1	0.05	10	0.62	572	<1	0.07	25	1080	4	0.16	<2	3	48	<20
CC101765		<1	0.05	10	0.63	682	<1	0.06	28	970	6	0.13	<2	3	51	<20
CC101766		1	0.05	10	0.54	675	<1	0.07	24	1030	4	0.15	2	3	58	<20
CC101767		<1	0.05	10	0.81	615	1	0.05	34	860	8	0.07	<2	6	44	<20
CC101768		<1	0.04	10	0.79	495	1	0.05	45	750	4	0.06	<2	5	49	<20
CC101769		1	0.05	10	0.82	617	1	0.04	57	800	6	0.07	<2	6	47	<20
CC101770		1	0.05	10	0.70	738	1	0.04	50	740	6	0.06	<2	4	43	<20
CC101771		1	0.05	10	0.66	772	<1	0.07	29	680	6	0.08	<2	4	48	<20
CC101772		1	0.05	10	0.58	906	<1	0.07	25	750	5	0.11	<2	4	54	<20
CC101773		<1	0.05	10	0.72	771	<1	0.07	62	770	7	0.10	<2	5	45	<20
CC101774		<1	0.07	10	0.74	504	<1	0.07	39	750	6	0.07	<2	5	37	<20
CC101775		<1	0.04	10	0.30	574	<1	0.06	18	670	6	0.09	<2	3	32	<20
CC101776		<1	0.04	10	0.37	287	<1	0.06	40	850	3	0.11	<2	2	31	<20
CC101777		1	0.05	10	1.01	1525	<1	0.07	116	760	10	0.10	<2	5	47	<20
CC101778		<1	0.05	10	0.54	342	<1	0.06	22	900	4	0.11	<2	4	41	<20
CC101779		<1	0.05	10	0.55	781	<1	0.06	25	730	7	0.10	<2	4	46	<20
CC101780		<1	0.05	10	0.60	647	1	0.06	27	720	5	0.08	<2	4	41	<20
CC101781		1	0.05	10	0.60	615	<1	0.06	27	720	7	0.08	<2	4	40	<20
CC101782		1	0.04	10	0.68	480	<1	0.07	61	1050	4	0.13	<2	4	52	<20
CC101783		<1	0.05	10	0.78	631	<1	0.06	32	1010	7	0.10	<2	5	47	<20
CC101784		1	0.05	10	0.87	504	<1	0.06	33	730	6	0.09	<2	7	45	<20
CC101785		1	0.04	10	0.92	644	<1	0.07	35	500	5	0.05	<2	7	50	<20
CC101786		<1	0.06	10	0.63	473	<1	0.07	24	780	6	0.09	<2	4	50	<20
CC101787		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC101788		<1	0.06	10	0.61	446	1	0.03	22	740	5	0.07	<2	3	49	<20
CC101789		<1	0.05	10	0.75	585	1	0.04	29	720	4	0.06	<2	4	63	<20
CC101790		<1	0.04	10	0.49	308	1	0.04	18	770	3	0.12	<2	2	42	<20



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CERTIFICATE OF ANALYSIS VA10096672

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC101751		0.07	<10	<10	70	<10	77	0.0393	
CC101752		0.07	<10	<10	59	<10	61	0.0028	
CC101753		0.09	<10	<10	86	<10	71	0.0043	
CC101754		0.09	<10	<10	77	<10	69	0.0042	
CC101755		0.08	<10	<10	76	<10	66	0.0046	
CC101756		0.08	<10	<10	77	<10	72	0.0061	
CC101757		0.07	<10	<10	74	<10	95	0.0063	
CC101758		0.06	<10	<10	52	<10	34	0.0027	
CC101759		0.08	<10	<10	66	<10	47	0.0065	
CC101760		0.08	<10	<10	62	<10	56	0.0094	
CC101761		0.05	<10	<10	53	<10	55	0.0027	
CC101762		0.04	<10	<10	41	<10	35	0.0023	
CC101763		0.06	<10	<10	56	<10	57	0.0027	
CC101764		0.06	<10	<10	61	<10	64	0.0023	
CC101765		0.06	<10	<10	70	<10	58	0.0024	
CC101766		0.05	<10	<10	54	<10	57	0.0032	
CC101767		0.08	<10	<10	86	<10	75	0.0030	
CC101768		0.09	<10	<10	80	<10	64	0.0043	
CC101769		0.09	<10	<10	84	<10	68	0.0041	
CC101770		0.09	<10	<10	75	<10	70	0.0111	
CC101771		0.09	<10	<10	76	<10	67	0.0042	
CC101772		0.08	<10	<10	70	<10	63	0.0024	
CC101773		0.08	<10	<10	69	<10	66	0.0068	
CC101774		0.11	<10	<10	74	<10	68	0.0053	
CC101775		0.06	<10	<10	58	<10	51	0.0033	
CC101776		0.06	<10	<10	56	<10	33	0.0022	
CC101777		0.07	<10	<10	67	<10	70	0.0060	
CC101778		0.07	<10	<10	64	<10	49	0.0030	
CC101779		0.07	<10	<10	66	<10	63	0.0031	
CC101780		0.08	<10	<10	68	<10	64	0.0030	
CC101781		0.08	<10	<10	69	<10	69	NSS	
CC101782		0.06	<10	<10	67	<10	65	NSS	
CC101783		0.06	<10	<10	79	<10	75	0.0031	
CC101784		0.07	<10	<10	91	<10	64	0.0028	
CC101785		0.11	<10	<10	102	<10	58	0.0144	
CC101786		0.08	<10	<10	71	<10	57	0.0041	
CC101787		NSS	NSS	NSS	NSS	NSS	NSS	0.0018	
CC101788		0.07	<10	<10	68	<10	74	0.0019	
CC101789		0.09	<10	<10	83	<10	66	0.0026	
CC101790		0.05	<10	<10	48	<10	50	0.0015	



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CERTIFICATE OF ANALYSIS	VA10096672
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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC101791		0.12	0.3	2.07	14	<10	120	<0.5	2	1.24	0.5	18	34	47	3.18	10
CC101792		0.16	<0.2	2.37	18	<10	170	<0.5	3	0.89	<0.5	22	65	46	3.55	10
CC101793		0.10	0.4	2.10	13	<10	140	<0.5	2	0.97	<0.5	15	39	44	2.97	<10
CC101794		0.10	<0.2	1.31	7	<10	90	<0.5	2	0.45	<0.5	7	30	18	2.66	10
CC101795		0.18	<0.2	2.16	9	<10	130	<0.5	2	0.71	<0.5	14	39	31	2.90	10
CC101796		0.12	0.2	1.07	6	<10	90	<0.5	2	0.50	<0.5	11	25	19	2.54	<10
CC101797		0.14	0.2	1.41	7	<10	90	<0.5	2	0.92	<0.5	14	30	23	2.71	10
CC101798		0.08	0.2	1.61	7	<10	110	<0.5	2	1.05	<0.5	16	29	33	2.46	<10
CC101799		0.06	0.2	1.07	4	<10	110	<0.5	2	1.47	<0.5	9	26	32	1.88	<10
CC101501		0.08	<0.2	2.62	37	<10	190	0.5	3	0.60	<0.5	19	132	35	3.61	10
CC101502		0.08	0.2	1.77	16	<10	160	<0.5	2	0.87	0.8	17	38	31	3.14	10
CC101503		0.10	<0.2	1.09	6	<10	70	<0.5	2	0.34	<0.5	7	26	16	2.33	10
CC101504		0.16	0.2	2.41	30	<10	160	0.8	2	0.55	<0.5	15	47	35	3.70	10
CC101505		0.12	0.4	2.63	34	<10	190	0.8	3	0.86	<0.5	16	56	42	3.58	10
CC101506		0.12	0.2	2.61	37	<10	200	0.7	2	0.74	<0.5	19	73	43	4.08	10
CC101507		0.12	<0.2	1.74	10	<10	120	<0.5	2	0.43	<0.5	15	40	40	3.80	10
CC101508		0.12	<0.2	1.97	15	<10	150	0.5	2	0.53	<0.5	16	39	30	3.56	10
CC101509		0.08	0.3	2.17	26	<10	190	0.6	2	0.96	<0.5	17	38	44	3.28	10
CC101510		0.08	0.2	2.31	30	<10	170	0.7	2	0.84	<0.5	18	42	37	3.72	10
CC101511		0.10	<0.2	2.21	25	<10	140	0.7	2	0.61	<0.5	15	44	33	3.65	10
CC101512		0.10	0.3	1.66	27	<10	140	0.5	2	1.15	<0.5	13	31	38	2.69	<10
CC101513		0.12	0.2	2.20	70	<10	160	0.7	2	0.86	<0.5	19	40	51	3.64	10
CC101514		0.10	0.3	2.10	80	<10	170	1.0	2	0.82	<0.5	17	36	38	3.45	10
CC101515		0.12	0.2	2.34	54	<10	170	0.8	2	0.64	<0.5	19	46	37	4.13	10
CC101516		0.10	0.2	1.61	8	<10	180	<0.5	2	0.91	<0.5	16	34	24	3.19	<10
CC101517		0.08	0.2	2.22	17	<10	190	0.6	3	0.73	<0.5	18	45	32	3.64	10
CC101518		0.14	<0.2	1.93	12	<10	160	0.5	3	0.55	<0.5	15	38	29	3.47	10
CC101519		0.14	<0.2	2.35	17	<10	210	0.7	2	0.57	<0.5	19	56	48	3.89	10
CC101520		0.08	<0.2	1.27	4	<10	120	<0.5	2	0.60	<0.5	9	28	20	2.46	<10
CC101521		0.08	0.2	2.03	13	<10	190	0.6	2	0.73	<0.5	15	41	39	3.12	10
CC101522		0.12	0.2	1.90	15	<10	180	0.5	2	0.68	<0.5	15	37	28	3.08	10
CC101523		0.10	0.2	1.44	9	<10	120	<0.5	2	0.60	0.9	15	33	33	2.86	<10
CC101524		0.14	0.2	2.05	19	<10	170	0.6	3	0.56	<0.5	20	44	36	3.58	10
CC101525		0.12	<0.2	1.80	11	<10	160	<0.5	2	0.48	<0.5	13	39	32	3.66	10
CC101526		0.12	0.4	1.36	14	<10	190	<0.5	2	0.82	<0.5	23	42	47	1.87	<10
CC101527		0.12	0.3	2.08	43	<10	170	0.7	3	0.89	<0.5	19	43	42	3.07	10
CC101528		0.12	<0.2	2.21	19	<10	170	0.5	2	0.57	<0.5	17	58	29	3.77	10
CC101529		0.12	0.3	1.25	17	<10	100	<0.5	3	0.78	<0.5	13	32	24	2.69	<10
CC101530		0.16	0.2	0.94	44	<10	60	<0.5	2	0.16	<0.5	9	24	24	2.34	<10
CC101531		0.12	0.2	1.59	38	<10	110	0.6	2	0.49	<0.5	14	31	29	3.22	10



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Project: Tarsis White River

CERTIFICATE OF ANALYSIS VA10096672

Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC101791		<1	0.04	10	0.66	737	1	0.03	25	1120	4	0.11	<2	3	46	<20
CC101792		<1	0.06	10	1.09	662	1	0.03	76	820	5	0.06	<2	5	78	<20
CC101793		<1	0.04	10	0.68	501	1	0.03	41	1130	4	0.11	<2	4	43	<20
CC101794		<1	0.03	10	0.36	289	1	0.03	14	500	4	0.04	<2	3	29	<20
CC101795		<1	0.04	10	0.74	322	1	0.03	30	640	4	0.04	<2	5	45	<20
CC101796		<1	0.04	10	0.35	586	1	0.04	13	400	5	0.05	<2	3	32	<20
CC101797		<1	0.04	10	0.41	728	1	0.03	14	1040	3	0.09	<2	4	43	<20
CC101798		<1	0.03	10	0.42	1005	2	0.03	18	890	2	0.09	<2	4	47	<20
CC101799		<1	0.03	10	0.43	216	1	0.03	36	690	2	0.13	<2	3	49	<20
CC101501		<1	0.08	10	1.46	504	1	0.04	99	650	3	0.05	<2	5	43	<20
CC101502		<1	0.08	10	0.62	1045	1	0.04	31	1020	4	0.08	<2	3	49	<20
CC101503		<1	0.04	10	0.38	221	1	0.03	13	500	2	0.06	<2	2	24	<20
CC101504		<1	0.07	20	0.85	605	1	0.02	35	820	8	0.04	<2	5	39	<20
CC101505		<1	0.09	20	1.08	595	1	0.04	44	1250	4	0.13	<2	6	50	<20
CC101506		<1	0.14	10	1.22	514	1	0.03	51	770	5	0.07	<2	6	44	<20
CC101507		<1	0.04	10	0.61	751	2	0.03	22	780	6	0.08	<2	3	31	<20
CC101508		<1	0.08	10	0.72	587	1	0.03	27	760	4	0.08	<2	3	36	<20
CC101509		<1	0.07	20	0.68	793	1	0.04	32	1050	5	0.12	<2	4	60	<20
CC101510		<1	0.07	10	0.76	753	2	0.03	30	1070	5	0.09	<2	3	51	<20
CC101511		<1	0.08	20	0.79	678	2	0.03	28	1040	6	0.09	<2	3	40	<20
CC101512		1	0.06	20	0.59	650	2	0.04	25	1120	3	0.13	<2	3	64	<20
CC101513		<1	0.07	20	0.73	787	1	0.03	29	1040	7	0.09	<2	4	52	<20
CC101514		<1	0.08	20	0.68	589	1	0.03	29	960	6	0.08	<2	4	51	<20
CC101515		<1	0.08	10	0.82	696	2	0.02	38	770	7	0.06	<2	4	38	<20
CC101516		<1	0.06	10	0.55	836	1	0.04	20	1080	3	0.11	<2	3	50	<20
CC101517		<1	0.09	10	0.79	811	1	0.03	32	870	5	0.07	<2	3	40	<20
CC101518		<1	0.05	10	0.72	597	1	0.04	27	760	5	0.07	<2	3	36	<20
CC101519		1	0.13	10	1.00	496	2	0.04	50	800	4	0.05	<2	5	52	<20
CC101520		<1	0.04	10	0.49	322	1	0.04	16	630	2	0.07	<2	2	36	<20
CC101521		<1	0.05	10	0.76	543	1	0.04	30	1000	3	0.10	<2	3	47	<20
CC101522		<1	0.04	10	0.69	867	1	0.04	25	890	4	0.09	<2	3	48	<20
CC101523		<1	0.06	10	0.54	773	1	0.04	29	670	3	0.04	<2	2	37	<20
CC101524		<1	0.08	10	0.82	796	1	0.04	33	560	4	0.04	<2	4	50	<20
CC101525		<1	0.04	10	0.67	513	2	0.03	29	780	11	0.07	<2	3	35	<20
CC101526		<1	0.04	10	0.51	1385	1	0.05	47	1560	3	0.18	<2	3	52	<20
CC101527		<1	0.05	20	0.69	1170	2	0.04	38	1220	5	0.14	<2	3	50	<20
CC101528		1	0.06	10	0.82	777	2	0.03	45	770	5	0.07	<2	3	40	<20
CC101529		<1	0.07	10	0.44	532	2	0.04	19	790	5	0.10	<2	3	38	<20
CC101530		<1	0.05	10	0.24	212	1	0.03	12	460	4	0.06	<2	2	20	<20
CC101531		<1	0.05	10	0.42	497	1	0.03	20	730	5	0.07	<2	3	31	<20



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Project: Tarsis White River

CERTIFICATE OF ANALYSIS VA10096672

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC101791		0.06	<10	<10	73	<10	68	0.0019	
CC101792		0.08	<10	<10	87	<10	67	0.0031	
CC101793		0.06	<10	<10	67	<10	67	0.0034	
CC101794		0.08	<10	<10	71	<10	56	0.0035	
CC101795		0.09	<10	<10	70	<10	58	0.0029	
CC101796		0.08	<10	<10	65	<10	47	0.0014	
CC101797		0.06	<10	<10	68	<10	54	0.0016	
CC101798		0.06	<10	<10	54	<10	45	0.0096	
CC101799		0.05	<10	<10	38	<10	29	0.0022	
CC101501		0.14	<10	<10	92	<10	56	0.0019	
CC101502		0.08	<10	<10	70	<10	144	0.0090	
CC101503		0.07	<10	<10	55	<10	41	0.0033	
CC101504		0.08	<10	<10	82	<10	73	0.0096	
CC101505		0.09	<10	<10	81	<10	68	NSS	
CC101506		0.10	<10	<10	93	<10	83	0.0055	
CC101507		0.08	<10	<10	87	<10	70	0.0026	
CC101508		0.09	<10	<10	77	<10	76	0.0028	
CC101509		0.07	<10	<10	68	<10	73	NSS	
CC101510		0.06	<10	<10	78	<10	81	NSS	
CC101511		0.07	<10	<10	78	<10	73	0.0039	
CC101512		0.06	<10	<10	54	<10	60	NSS	
CC101513		0.07	<10	<10	77	<10	82	0.0066	
CC101514		0.07	<10	<10	70	<10	67	NSS	
CC101515		0.08	<10	<10	83	<10	81	NSS	
CC101516		0.07	<10	<10	71	<10	60	NSS	
CC101517		0.08	<10	<10	79	<10	70	NSS	
CC101518		0.08	<10	<10	76	<10	75	0.0026	
CC101519		0.13	<10	<10	100	<10	77	0.0049	
CC101520		0.07	<10	<10	57	<10	61	0.0015	
CC101521		0.07	<10	<10	70	<10	65	NSS	
CC101522		0.06	<10	<10	67	<10	64	0.0022	
CC101523		0.08	<10	<10	60	<10	69	NSS	
CC101524		0.11	<10	<10	77	<10	64	0.0019	
CC101525		0.08	<10	<10	82	<10	72	0.0012	
CC101526		0.04	<10	<10	38	<10	67	NSS	
CC101527		0.06	<10	<10	64	<10	74	NSS	
CC101528		0.08	<10	<10	80	<10	58	NSS	
CC101529		0.06	<10	<10	60	<10	58	NSS	
CC101530		0.07	<10	<10	58	<10	36	NSS	
CC101531		0.07	<10	<10	67	<10	61	0.0020	



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CERTIFICATE OF ANALYSIS VA10096672

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC101532		0.12	<0.2	1.93	35	<10	190	0.6	3	0.68	<0.5	16	38	41	3.21	10
CC101533		0.10	0.2	0.79	2	<10	80	<0.5	2	0.51	<0.5	4	21	15	1.71	<10
CC101534		0.14	0.4	1.29	44	<10	160	0.5	3	0.53	<0.5	12	28	27	2.88	10
CC101535		0.10	0.7	1.12	22	<10	170	0.5	3	0.32	<0.5	20	24	60	2.19	<10
CC101536		0.12	0.5	1.78	235	<10	320	0.9	3	1.19	<0.5	24	40	62	3.32	10
CC101537		0.16	0.3	2.12	239	<10	220	0.7	4	0.96	<0.5	23	73	92	3.42	10
CC101538		0.08	0.2	1.04	75	<10	70	<0.5	<2	0.22	<0.5	8	37	28	2.19	<10
CC101539		0.16	0.3	1.96	72	<10	450	0.5	<2	0.83	<0.5	23	52	79	3.22	10
CC101540		0.18	0.3	2.36	308	<10	230	0.6	2	0.32	<0.5	17	44	39	3.96	10
CC101541		0.12	0.6	0.86	15	<10	280	<0.5	2	0.17	<0.5	7	23	49	1.94	<10
CC101542		0.10	0.2	0.92	5	<10	50	<0.5	2	0.34	<0.5	5	23	20	2.03	<10
CC101543		0.12	0.2	1.56	10	<10	140	<0.5	3	0.83	<0.5	15	30	36	2.98	<10
CC101544		0.08	0.2	1.24	9	<10	80	<0.5	3	0.81	<0.5	11	27	33	2.32	<10
CC101545		0.12	<0.2	1.63	22	<10	100	<0.5	2	0.87	<0.5	22	40	45	2.90	10
CC101546		0.10	0.3	1.21	8	<10	60	<0.5	3	0.29	<0.5	8	26	28	2.35	<10
CC101547		0.12	0.2	1.59	16	<10	70	<0.5	2	0.20	<0.5	10	35	30	2.76	10
CC101548		0.10	1.3	0.98	10	<10	100	<0.5	2	1.03	<0.5	11	25	29	2.25	<10
CC101549		0.14	0.3	2.96	92	<10	420	0.8	2	0.59	<0.5	24	122	50	4.14	10
CC101550		0.12	0.2	2.08	85	<10	340	0.5	2	1.06	<0.5	21	65	80	3.38	10
CC101551		0.06	0.6	1.88	29	<10	180	0.7	2	0.77	<0.5	14	39	35	3.21	10
CC101552		0.06	0.5	1.95	27	<10	130	0.7	<2	0.55	<0.5	14	41	40	3.26	10
CC101553		0.06	0.5	1.60	14	<10	150	<0.5	3	0.71	<0.5	12	35	24	3.23	10
CC101554		0.06	<0.2	2.27	35	<10	150	0.7	3	0.52	<0.5	17	53	40	3.73	10
CC101555		0.06	0.5	2.20	16	<10	130	0.7	2	0.74	<0.5	13	38	38	3.29	10
CC101556		0.08	0.4	2.66	32	<10	180	0.8	3	0.57	<0.5	19	46	38	3.92	10
CC101557		0.18	<0.2	2.27	55	<10	110	0.8	3	0.29	<0.5	12	38	35	3.55	10
CC101558		0.08	0.5	2.19	51	<10	150	0.9	3	0.77	<0.5	16	37	50	3.54	10
CC101559		0.06	<0.2	2.40	23	<10	160	0.8	3	0.53	<0.5	16	40	32	3.67	10
CC101560		0.06	0.2	1.68	13	<10	130	0.6	2	0.80	<0.5	16	34	32	3.08	10
CC101561		0.08	0.8	1.36	7	<10	120	<0.5	<2	0.58	<0.5	14	28	24	2.49	<10
CC101562		0.04	0.4	1.80	21	<10	190	<0.5	<2	0.85	<0.5	21	86	27	2.76	<10
CC101563		0.06	0.7	1.55	10	<10	140	<0.5	<2	0.53	<0.5	14	39	23	3.56	10
CC101564		0.14	<0.2	2.62	43	<10	250	0.7	<2	0.76	<0.5	15	94	47	3.69	10
CC101565		0.08	<0.2	2.98	64	<10	230	0.6	<2	0.56	<0.5	22	186	40	3.72	10
CC101566		0.06	0.4	2.96	69	<10	210	0.5	<2	0.78	<0.5	22	280	43	3.29	10
CC101567		0.10	0.2	3.43	73	<10	220	0.6	<2	0.77	<0.5	27	371	51	3.69	10
CC101568		0.06	0.2	1.43	5	<10	120	<0.5	<2	0.59	<0.5	13	31	24	3.34	10
CC101569		0.08	0.2	2.49	21	<10	190	0.8	<2	0.75	<0.5	19	43	34	4.07	10
CC101570		0.10	0.4	2.12	166	<10	180	0.8	3	0.85	<0.5	17	35	54	3.67	10
CC101571		0.10	<0.2	1.52	42	<10	120	0.8	<2	0.44	<0.5	18	31	58	4.22	10



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CERTIFICATE OF ANALYSIS	VA10096672
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Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC101532		<1	0.11	10	0.65	587	1	0.04	30	600	4	0.06	<2	4	49	<20
CC101533		<1	0.04	10	0.22	133	1	0.03	9	630	<2	0.09	<2	2	29	<20
CC101534		<1	0.07	10	0.37	578	1	0.03	18	770	8	0.08	<2	2	42	<20
CC101535		<1	0.03	10	0.18	574	2	0.03	24	890	4	0.09	<2	1	23	<20
CC101536		<1	0.10	20	0.72	742	2	0.03	41	910	8	0.09	2	4	71	<20
CC101537		<1	0.13	10	0.97	662	1	0.05	65	720	5	0.08	2	5	67	<20
CC101538		<1	0.04	10	0.31	171	1	0.03	20	490	3	0.08	<2	2	20	<20
CC101539		<1	0.14	10	0.97	1290	1	0.04	66	740	5	0.07	4	5	49	<20
CC101540		<1	0.05	10	0.70	790	1	0.03	35	360	17	0.03	<2	5	25	<20
CC101541		<1	0.05	10	0.21	262	2	0.03	17	680	3	0.11	<2	1	31	<20
CC101542		<1	0.02	10	0.21	93	1	0.03	11	500	2	0.09	<2	2	23	<20
CC101543		<1	0.05	10	0.68	596	1	0.06	27	810	3	0.09	<2	4	49	<20
CC101544		<1	0.04	10	0.42	332	1	0.05	18	710	2	0.10	<2	2	38	<20
CC101545		<1	0.03	10	0.56	790	1	0.04	30	670	4	0.08	<2	4	33	<20
CC101546		<1	0.02	10	0.29	233	1	0.04	15	610	3	0.09	<2	2	21	<20
CC101547		<1	0.03	10	0.43	203	1	0.03	27	410	5	0.05	<2	3	17	<20
CC101548		<1	0.03	10	0.29	637	2	0.04	12	920	3	0.12	<2	2	48	<20
CC101549		<1	0.30	10	1.61	829	1	0.06	82	880	6	0.04	2	7	36	<20
CC101550		<1	0.12	10	1.05	873	1	0.05	64	720	5	0.07	<2	5	63	<20
CC101551		<1	0.06	10	0.70	800	2	0.04	30	1100	6	0.11	<2	3	49	<20
CC101552		1	0.06	20	0.74	624	1	0.04	31	990	5	0.09	<2	3	39	<20
CC101553		<1	0.05	10	0.66	408	2	0.04	23	570	4	0.07	<2	3	40	<20
CC101554		<1	0.06	10	0.89	710	1	0.03	41	980	5	0.09	<2	3	35	<20
CC101555		<1	0.07	20	0.68	396	1	0.04	28	930	4	0.11	<2	4	42	<20
CC101556		1	0.07	20	0.82	774	1	0.03	32	1010	6	0.10	<2	5	38	<20
CC101557		<1	0.06	20	0.68	618	1	0.02	20	560	8	0.04	<2	6	22	<20
CC101558		<1	0.06	20	0.72	690	2	0.03	25	1000	9	0.09	<2	5	48	<20
CC101559		<1	0.06	20	0.74	719	1	0.03	30	950	5	0.09	<2	4	36	<20
CC101560		<1	0.05	20	0.66	714	2	0.04	26	1010	5	0.11	<2	3	50	<20
CC101561		<1	0.05	10	0.40	835	1	0.05	22	760	7	0.06	<2	2	36	<20
CC101562		1	0.08	10	0.99	697	1	0.06	59	900	3	0.08	2	3	53	<20
CC101563		1	0.05	10	0.57	851	2	0.04	21	800	6	0.07	<2	2	38	<20
CC101564		<1	0.15	10	1.46	473	1	0.04	58	750	3	0.06	7	5	103	<20
CC101565		<1	0.08	10	1.63	1255	<1	0.04	121	740	2	0.06	3	6	52	<20
CC101566		1	0.12	10	2.25	455	<1	0.04	192	660	2	0.05	3	5	68	<20
CC101567		1	0.15	10	2.67	457	<1	0.04	227	670	2	0.04	2	6	64	<20
CC101568		<1	0.04	10	0.41	802	1	0.04	17	710	6	0.05	<2	2	34	<20
CC101569		1	0.25	10	0.79	831	1	0.04	29	780	6	0.06	<2	5	51	<20
CC101570		<1	0.13	10	0.69	823	1	0.04	25	760	7	0.07	2	4	47	<20
CC101571		<1	0.13	20	0.42	709	1	0.03	32	530	6	0.08	8	3	46	<20



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CERTIFICATE OF ANALYSIS VA10096672

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC101532		0.09	<10	<10	67	<10	71	0.0040	
CC101533		0.05	<10	<10	40	<10	28	NSS	
CC101534		0.05	<10	<10	51	<10	55	NSS	
CC101535		0.04	<10	<10	43	<10	28	NSS	
CC101536		0.05	<10	<10	51	<10	73	0.0039	
CC101537		0.08	<10	<10	71	<10	69	NSS	
CC101538		0.07	<10	<10	52	<10	30	NSS	
CC101539		0.07	<10	<10	72	<10	76	NSS	
CC101540		0.07	<10	<10	87	<10	63	0.0030	
CC101541		0.04	<10	<10	44	<10	38	0.0013	
CC101542		0.06	<10	<10	50	<10	32	0.0017	
CC101543		0.08	<10	<10	62	<10	78	0.0010	
CC101544		0.06	<10	<10	53	<10	41	0.0013	
CC101545		0.07	<10	<10	77	<10	61	0.0017	
CC101546		0.06	<10	<10	54	<10	42	0.0011	
CC101547		0.08	<10	<10	65	<10	43	0.0014	
CC101548		0.05	<10	<10	49	<10	38	0.0015	
CC101549		0.12	<10	<10	98	<10	75	0.0011	
CC101550		0.09	<10	<10	81	<10	69	0.0016	
CC101551		0.05	<10	<10	60	<10	94	0.0014	
CC101552		0.06	<10	<10	69	<10	72	0.0018	
CC101553		0.09	<10	<10	74	<10	59	0.0016	
CC101554		0.07	<10	<10	79	<10	79	0.0017	
CC101555		0.07	<10	<10	66	<10	74	0.0019	
CC101556		0.09	<10	<10	88	<10	77	0.0015	
CC101557		0.07	<10	<10	74	<10	58	0.0019	
CC101558		0.06	<10	<10	72	<10	75	0.0041	
CC101559		0.06	<10	<10	74	<10	79	0.0022	
CC101560		0.05	<10	<10	61	<10	68	0.0019	
CC101561		0.07	<10	<10	53	<10	43	0.0010	
CC101562		0.09	<10	<10	63	<10	39	NSS	
CC101563		0.08	<10	<10	83	<10	50	0.0008	
CC101564		0.09	<10	<10	99	<10	55	0.0028	
CC101565		0.14	<10	<10	97	<10	52	0.0052	
CC101566		0.14	<10	<10	87	<10	51	0.0059	
CC101567		0.15	<10	<10	106	<10	56	0.0056	
CC101568		0.07	<10	<10	70	<10	58	0.0011	
CC101569		0.09	<10	<10	68	<10	72	0.0024	
CC101570		0.06	<10	<10	64	<10	72	0.0055	
CC101571		0.04	<10	<10	46	<10	62	0.0056	



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC101572		0.12	0.2	1.99	62	<10	190	0.6	<2	0.72	<0.5	14	36	37	3.33	10
CC101573		0.10	0.5	1.72	172	<10	140	1.3	2	1.27	<0.5	13	27	72	2.94	<10
CC101574		0.02	0.3	1.28	51	<10	140	<0.5	<2	0.93	<0.5	17	26	57	2.32	<10
CC101575		0.14	<0.2	2.60	49	<10	250	<0.5	<2	0.86	<0.5	16	66	37	3.36	10
CC101576		0.12	0.2	2.53	59	<10	280	<0.5	<2	0.86	<0.5	18	74	40	3.65	10
CC101577		0.08	0.3	2.78	67	<10	240	<0.5	<2	0.75	<0.5	15	71	44	3.39	10
CC101578		0.02	0.3	1.84	23	<10	110	<0.5	<2	0.29	<0.5	10	34	88	2.92	10
CC101579		0.06	0.6	2.76	33	<10	140	<0.5	<2	0.49	<0.5	15	66	83	3.64	10
CC101580		0.06	<0.2	2.03	16	<10	110	<0.5	<2	0.95	<0.5	14	34	41	2.86	<10
CC101581		0.06	<0.2	2.10	17	<10	130	<0.5	<2	0.96	<0.5	15	34	44	2.92	10
CC101582		0.06	0.2	1.98	15	<10	110	<0.5	<2	0.98	<0.5	15	33	41	2.82	10
CC101583		0.08	<0.2	2.09	16	<10	130	<0.5	<2	0.96	<0.5	15	34	41	2.87	10
CC101584		0.10	0.2	0.99	7	<10	110	<0.5	<2	0.75	<0.5	4	23	19	1.92	<10
CC101585		0.06	<0.2	1.33	9	<10	90	<0.5	<2	0.39	1.0	13	31	28	2.93	<10
CC101586		0.06	0.3	1.38	10	<10	90	<0.5	<2	0.58	<0.5	9	29	24	2.68	10
CC101587		0.10	0.2	1.65	10	<10	60	<0.5	<2	0.53	<0.5	11	29	21	2.85	10
CC101588		0.10	0.3	1.21	23	<10	130	<0.5	<2	1.07	<0.5	15	25	19	2.52	<10
CC101589		0.12	0.7	2.07	384	<10	190	0.6	<2	1.47	<0.5	13	34	51	3.08	10
CC101590		0.08	0.5	1.65	104	<10	180	<0.5	<2	0.91	<0.5	11	33	40	3.12	10
CC101591		0.14	0.3	2.63	65	<10	210	0.7	<2	0.73	<0.5	22	78	53	3.78	10
CC101592		0.08	<0.2	1.63	17	<10	120	<0.5	<2	0.56	<0.5	10	39	37	3.71	10
CC101593		0.10	0.2	1.41	28	<10	160	<0.5	<2	0.85	<0.5	12	34	25	2.73	<10
CC101594		0.12	0.3	2.32	37	<10	190	0.6	<2	0.72	<0.5	16	53	50	3.62	10
CC101595		0.06	0.3	1.16	12	<10	110	<0.5	<2	0.44	<0.5	8	31	35	2.49	10
CC101596		0.10	<0.2	2.13	13	<10	70	0.5	<2	0.55	<0.5	10	33	22	3.52	10
CC101597		0.06	<0.2	2.03	17	<10	90	0.8	2	0.69	<0.5	13	34	30	3.42	10
CC101598		0.06	0.2	1.83	12	<10	140	0.5	3	0.68	<0.5	13	33	30	3.34	10
CC101599		0.06	<0.2	1.89	13	<10	120	0.6	3	0.61	<0.5	14	33	28	3.42	10
CC101600		0.06	0.3	1.75	40	<10	150	0.5	3	0.54	<0.5	17	37	57	3.08	10
CC101601		0.10	<0.2	2.49	19	<10	190	0.6	3	0.49	<0.5	17	40	34	4.15	10
CC101602		0.14	<0.2	2.39	64	<10	250	0.7	5	0.34	<0.5	19	54	53	3.96	10
CC101603		0.12	0.2	2.68	97	<10	180	1.4	3	0.34	<0.5	35	211	60	4.60	10
CC101604		0.24	<0.2	1.71	49	<10	160	0.5	3	0.45	<0.5	15	41	28	3.27	10
CC101605		0.08	0.2	1.73	28	<10	90	<0.5	3	0.24	<0.5	9	36	36	3.73	10
CC101606		0.16	<0.2	2.42	48	<10	190	0.5	3	0.50	<0.5	18	214	47	3.29	10
CC101607		0.14	0.2	1.81	50	<10	110	2.3	2	0.68	<0.5	13	35	34	3.48	10
CC101608		0.12	<0.2	1.79	211	<10	120	0.9	2	0.57	<0.5	17	40	33	3.62	10
CC101609		0.12	0.2	1.88	37	<10	130	1.2	3	0.79	<0.5	14	38	45	3.39	10
CC101610		0.12	0.2	1.96	25	<10	140	0.6	2	0.68	<0.5	18	37	33	3.48	10
CC101611		0.14	0.2	1.78	121	<10	120	0.8	2	0.50	<0.5	19	38	61	3.39	10



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Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC101572		<1	0.10	10	0.74	636	1	0.05	26	770	5	0.07	3	4	62	<20
CC101573		<1	0.11	20	0.59	727	1	0.04	27	830	11	0.08	4	4	68	<20
CC101574		<1	0.06	10	0.36	591	1	0.04	27	780	4	0.11	3	2	47	<20
CC101575		1	0.08	10	0.98	539	<1	0.06	49	700	5	0.05	2	6	58	<20
CC101576		<1	0.10	10	1.01	689	<1	0.07	49	640	5	0.05	<2	7	58	<20
CC101577		1	0.08	10	1.01	431	<1	0.06	53	660	5	0.05	<2	6	55	<20
CC101578		1	0.05	10	0.41	220	1	0.04	28	650	5	0.09	2	2	27	<20
CC101579		1	0.06	10	0.88	310	1	0.04	42	570	3	0.07	<2	4	34	<20
CC101580		1	0.05	10	0.55	542	1	0.05	23	670	3	0.05	2	3	65	<20
CC101581		1	0.06	10	0.59	525	1	0.06	22	630	3	0.04	2	4	76	<20
CC101582		<1	0.05	10	0.53	558	1	0.05	22	690	4	0.05	<2	3	61	<20
CC101583		<1	0.06	10	0.59	524	1	0.05	22	630	3	0.04	3	4	76	<20
CC101584		1	0.03	10	0.22	144	1	0.04	11	770	2	0.08	<2	2	44	<20
CC101585		1	0.03	10	0.38	451	1	0.04	20	480	5	0.04	<2	3	25	<20
CC101586		<1	0.05	10	0.41	334	1	0.04	18	640	4	0.06	2	2	34	<20
CC101587		<1	0.04	10	0.50	381	1	0.04	18	470	4	0.04	<2	2	27	<20
CC101588		<1	0.06	10	0.41	1050	1	0.05	14	820	4	0.08	<2	2	55	<20
CC101589		<1	0.06	40	0.57	739	1	0.04	25	980	6	0.10	2	4	68	<20
CC101590		<1	0.05	20	0.53	570	1	0.04	23	670	4	0.06	3	3	46	<20
CC101591		1	0.11	10	0.98	808	1	0.04	58	870	6	0.07	4	5	47	<20
CC101592		<1	0.05	10	0.48	392	1	0.03	24	470	6	0.04	2	3	36	<20
CC101593		<1	0.10	10	0.48	617	1	0.04	21	720	5	0.10	2	3	47	<20
CC101594		<1	0.12	10	0.75	605	1	0.04	39	790	4	0.06	3	4	44	<20
CC101595		<1	0.06	10	0.37	324	1	0.03	20	560	6	0.05	<2	2	29	<20
CC101596		1	0.07	10	0.62	331	1	0.04	26	290	38	0.03	3	4	29	<20
CC101597		<1	0.11	10	0.63	607	2	0.03	30	380	47	0.05	<2	4	32	<20
CC101598		<1	0.13	10	0.67	758	2	0.04	29	420	36	0.05	<2	4	37	<20
CC101599		<1	0.11	10	0.64	688	1	0.03	29	440	48	0.05	<2	4	33	<20
CC101600		<1	0.07	10	0.52	556	1	0.03	26	680	5	0.06	<2	3	36	<20
CC101601		1	0.11	10	0.69	533	1	0.02	34	450	5	0.03	<2	4	35	<20
CC101602		<1	0.18	10	0.77	538	1	0.02	38	440	4	0.04	<2	6	36	<20
CC101603		<1	0.19	20	1.84	1190	1	0.01	254	610	11	0.04	32	6	25	<20
CC101604		<1	0.15	10	0.74	456	<1	0.02	31	260	4	0.02	<2	4	36	<20
CC101605		<1	0.02	10	0.37	251	1	0.01	21	470	4	0.06	<2	3	18	<20
CC101606		<1	0.12	10	2.01	324	<1	0.02	144	480	<2	0.03	<2	6	36	<20
CC101607		<1	0.13	30	0.66	591	1	0.02	25	680	15	0.06	5	4	33	<20
CC101608		<1	0.08	10	0.68	655	1	0.02	29	820	8	0.07	<2	3	32	<20
CC101609		<1	0.07	20	0.62	541	1	0.02	29	620	10	0.05	<2	4	37	<20
CC101610		<1	0.05	10	0.70	528	1	0.04	29	760	6	0.06	<2	3	42	<20
CC101611		<1	0.09	10	0.65	503	1	0.02	31	450	7	0.04	<2	4	37	<20



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Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC101572		0.07	<10	<10	62	<10	59	0.0033	
CC101573		0.02	<10	<10	37	<10	72	0.0040	
CC101574		0.04	<10	<10	39	<10	39	NSS	
CC101575		0.11	<10	<10	81	<10	62	0.0018	
CC101576		0.13	<10	<10	91	<10	63	0.0026	
CC101577		0.11	<10	<10	84	<10	59	0.0019	
CC101578		0.08	<10	<10	65	<10	39	0.0025	
CC101579		0.13	<10	<10	85	<10	107	0.0027	
CC101580		0.08	<10	<10	72	<10	43	0.0028	
CC101581		0.08	<10	<10	73	<10	42	0.0017	
CC101582		0.08	<10	<10	71	<10	42	0.0015	
CC101583		0.08	<10	<10	71	<10	42	0.0040	
CC101584		0.05	<10	<10	41	<10	26	0.0038	
CC101585		0.07	<10	<10	65	<10	75	0.0011	
CC101586		0.07	<10	<10	61	<10	48	0.0014	
CC101587		0.07	<10	<10	59	<10	52	0.0009	
CC101588		0.06	<10	<10	52	<10	35	0.0012	
CC101589		0.06	<10	<10	59	<10	48	0.0044	
CC101590		0.08	<10	<10	65	<10	46	0.0021	
CC101591		0.09	<10	<10	82	<10	67	0.0027	
CC101592		0.10	<10	<10	95	<10	50	0.0012	
CC101593		0.07	<10	<10	57	<10	55	NSS	
CC101594		0.09	<10	<10	74	<10	61	0.0032	
CC101595		0.07	<10	<10	62	<10	41	0.0013	
CC101596		0.09	<10	<10	74	<10	85	0.0022	
CC101597		0.07	<10	<10	69	<10	122	0.0015	
CC101598		0.09	<10	<10	66	<10	102	0.0017	
CC101599		0.08	<10	<10	67	<10	102	0.0016	
CC101600		0.07	<10	<10	67	<10	54	0.0027	
CC101601		0.11	<10	<10	82	<10	65	0.0018	
CC101602		0.13	<10	<10	81	<10	59	0.0034	
CC101603		0.06	<10	<10	68	<10	91	0.0022	
CC101604		0.11	<10	<10	65	<10	61	0.0028	
CC101605		0.09	<10	<10	82	<10	88	0.0014	
CC101606		0.12	<10	<10	86	<10	49	0.0036	
CC101607		0.07	<10	<10	51	<10	94	0.0020	
CC101608		0.07	<10	<10	72	<10	84	0.0023	
CC101609		0.06	<10	<10	64	<10	75	0.0020	
CC101610		0.08	<10	<10	75	<10	64	0.0045	
CC101611		0.11	<10	<10	75	<10	60	0.0293	



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CERTIFICATE OF ANALYSIS	VA10096672
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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC101612		0.14	0.2	1.47	14	<10	100	<0.5	2	0.52	<0.5	12	28	21	2.75	10
CC101613		0.14	0.2	1.45	14	<10	110	<0.5	2	0.48	<0.5	10	28	27	2.68	10
CC101614		0.20	<0.2	1.72	52	<10	100	0.8	2	0.57	<0.5	17	35	33	3.31	10
CC101615		0.20	0.2	1.57	20	<10	120	<0.5	3	0.50	<0.5	10	34	25	3.37	10
CC101616		0.10	0.2	2.24	44	<10	170	1.2	2	0.72	<0.5	23	40	35	3.45	10
CC101617		0.12	0.6	1.78	240	<10	80	1.7	2	0.83	<0.5	37	34	59	3.21	10
CC101618		0.10	0.2	1.64	32	<10	130	0.9	3	0.70	<0.5	14	36	34	3.45	10
CC101619		0.14	0.2	1.77	47	<10	110	1.6	3	0.47	<0.5	13	34	25	3.53	10
CC101620		0.14	0.4	2.10	63	<10	130	2.5	2	0.45	<0.5	20	35	38	3.91	10
CC101621		0.14	0.3	1.50	26	<10	100	1.3	3	0.36	<0.5	7	20	14	2.21	<10
CC101622		0.16	<0.2	2.33	19	<10	120	0.6	4	0.39	<0.5	17	41	30	3.81	10
CC101623		0.10	0.3	1.96	2130	<10	150	1.0	173	0.58	<0.5	71	46	122	4.67	10
CC101624		0.14	0.3	1.38	323	<10	90	1.7	3	0.52	<0.5	15	27	24	2.95	<10
CC101625		0.10	<0.2	2.45	41	<10	150	0.8	2	0.58	<0.5	18	43	30	3.91	10
CC101626		0.20	<0.2	1.84	50	<10	120	0.7	2	0.51	<0.5	15	36	31	3.36	10
CC101627		0.14	<0.2	1.52	14	<10	110	<0.5	2	0.47	<0.5	13	33	24	3.28	10
CC101628		0.14	0.2	1.90	125	<10	140	0.8	2	0.66	<0.5	21	35	72	3.47	10
CC101629		0.14	<0.2	2.74	40	<10	100	0.9	<2	0.32	<0.5	24	45	31	3.86	10
CC101630		0.16	0.2	1.87	407	<10	150	0.7	6	0.47	<0.5	44	47	45	3.32	10
CC101631		0.20	0.6	1.86	55	<10	80	3.0	2	0.20	<0.5	8	30	22	2.30	10
CC101632		0.16	0.2	2.15	25	<10	130	<0.5	4	0.72	<0.5	23	42	52	3.58	10
CC101633		0.12	<0.2	2.24	23	<10	140	<0.5	3	0.67	<0.5	19	55	37	3.83	10
CC101634		0.08	0.2	2.20	21	<10	180	<0.5	2	1.03	<0.5	16	40	37	3.51	10
CC101635		0.10	0.2	1.57	12	<10	110	<0.5	2	0.53	<0.5	13	30	25	2.81	10
CC101636		0.12	0.3	2.16	27	<10	130	<0.5	3	0.98	<0.5	16	40	42	3.47	10
CC101637		0.12	0.2	2.35	16	<10	140	<0.5	2	0.59	<0.5	15	38	34	3.31	10
CC101638		0.10	0.2	1.10	8	<10	70	<0.5	2	0.43	<0.5	7	25	21	2.52	10
CC101639		0.10	<0.2	2.29	11	<10	130	<0.5	2	0.31	<0.5	14	39	31	3.47	10
CC101640		0.12	<0.2	2.30	7	<10	120	<0.5	3	0.78	<0.5	15	37	38	2.89	10
CC101641		0.10	<0.2	1.24	10	<10	50	<0.5	2	0.25	<0.5	7	30	21	2.85	10
CC101642		0.16	0.3	2.12	15	<10	150	<0.5	2	0.83	<0.5	15	39	37	3.09	10
CC101643		0.10	0.2	2.21	17	<10	140	<0.5	3	0.50	<0.5	13	40	27	3.38	10
CC101644		0.12	0.2	2.23	21	<10	150	<0.5	2	0.57	<0.5	14	42	34	3.44	10
CC101645		0.14	0.2	2.43	24	<10	160	<0.5	3	0.74	<0.5	16	47	41	3.60	10
CC101646		0.14	0.3	2.12	23	<10	130	<0.5	2	1.12	<0.5	15	42	38	3.27	10
CC101647		0.14	0.2	2.07	25	<10	130	<0.5	3	1.15	<0.5	18	52	47	3.37	10
CC101648		0.22	0.4	2.39	33	<10	140	<0.5	2	0.99	<0.5	18	55	52	3.57	10
CC101649		0.10	0.3	1.96	15	<10	130	<0.5	2	0.84	<0.5	15	45	49	3.06	10



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CERTIFICATE OF ANALYSIS VA10096672

Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC101612		<1	0.05	10	0.46	407	1	0.03	16	610	3	0.05	<2	3	33	<20
CC101613		<1	0.05	10	0.45	336	1	0.02	17	500	4	0.04	<2	3	31	<20
CC101614		<1	0.10	10	0.61	516	1	0.02	29	650	5	0.02	<2	4	36	<20
CC101615		<1	0.04	10	0.53	345	2	0.02	20	370	6	0.03	<2	3	32	<20
CC101616		<1	0.07	10	0.76	769	1	0.03	44	880	7	0.08	<2	4	42	<20
CC101617		1	0.06	20	0.70	554	1	0.04	45	650	18	0.07	3	5	48	<20
CC101618		<1	0.06	10	0.60	608	1	0.02	21	1010	8	0.08	<2	3	37	<20
CC101619		<1	0.10	10	0.60	652	1	0.01	25	550	26	0.04	9	3	25	<20
CC101620		<1	0.16	20	0.75	855	1	0.01	30	450	20	0.03	8	4	27	<20
CC101621		<1	0.11	10	0.43	770	<1	0.01	17	180	69	0.02	11	2	18	<20
CC101622		<1	0.05	10	0.75	625	2	0.02	31	760	8	0.06	<2	3	27	<20
CC101623		<1	0.07	20	0.68	548	2	0.03	39	960	7	0.19	7	3	39	<20
CC101624		<1	0.12	20	0.52	512	1	0.03	27	590	65	0.08	5	4	33	<20
CC101625		<1	0.07	10	0.75	668	1	0.02	36	530	8	0.04	<2	5	40	<20
CC101626		<1	0.11	10	0.69	449	1	0.03	28	510	5	0.02	<2	5	37	<20
CC101627		<1	0.03	10	0.46	599	2	0.03	16	510	5	0.04	<2	3	31	<20
CC101628		<1	0.07	10	0.58	702	1	0.04	27	780	7	0.11	<2	4	45	<20
CC101629		<1	0.08	10	0.81	763	1	0.02	40	730	11	0.06	<2	4	23	<20
CC101630		<1	0.06	10	0.84	397	1	0.02	43	310	27	0.03	3	4	49	<20
CC101631		<1	0.08	10	0.44	192	<1	<0.01	23	370	28	0.02	4	4	15	<20
CC101632		<1	0.06	10	0.91	728	1	0.04	34	740	4	0.06	<2	6	41	<20
CC101633		<1	0.04	10	0.98	666	1	0.05	43	440	6	0.04	<2	6	45	<20
CC101634		<1	0.05	10	0.71	597	1	0.05	30	910	7	0.08	<2	4	53	<20
CC101635		<1	0.04	10	0.51	710	1	0.05	19	640	5	0.06	<2	3	32	<20
CC101636		1	0.04	10	0.77	609	1	0.05	31	750	5	0.07	<2	5	43	<20
CC101637		<1	0.05	10	0.67	474	1	0.04	32	490	6	0.03	<2	4	42	<20
CC101638		<1	0.04	10	0.34	268	2	0.04	17	340	5	0.04	<2	2	27	<20
CC101639		1	0.04	10	0.60	329	1	0.03	30	380	5	0.03	<2	4	26	<20
CC101640		<1	0.06	10	0.69	583	1	0.05	30	630	5	0.04	<2	5	63	<20
CC101641		<1	0.05	10	0.33	166	2	0.03	19	280	5	0.04	<2	3	20	<20
CC101642		<1	0.04	10	0.62	602	2	0.04	42	740	7	0.06	<2	4	46	<20
CC101643		1	0.03	10	0.63	402	1	0.04	31	600	5	0.05	<2	4	33	<20
CC101644		1	0.04	10	0.71	471	1	0.04	31	780	4	0.07	<2	5	39	<20
CC101645		1	0.04	10	0.79	599	1	0.05	34	740	4	0.06	<2	5	45	<20
CC101646		<1	0.05	10	0.75	597	1	0.05	30	930	5	0.10	<2	5	54	<20
CC101647		1	0.05	10	0.82	612	1	0.05	33	710	4	0.07	<2	6	63	<20
CC101648		1	0.05	10	0.96	601	1	0.05	37	760	6	0.08	<2	6	48	<20
CC101649		1	0.04	10	0.69	601	1	0.04	29	890	5	0.11	<2	4	41	<20



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Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC101612		0.07	<10	<10	61	<10	46	0.0024	
CC101613		0.07	<10	<10	61	<10	48	0.0015	
CC101614		0.11	<10	<10	73	<10	62	0.0056	
CC101615		0.09	<10	<10	94	<10	58	0.0021	
CC101616		0.08	<10	<10	67	<10	71	0.0055	
CC101617		0.06	<10	<10	66	<10	96	0.0374	
CC101618		0.06	<10	<10	74	<10	70	0.0026	
CC101619		0.06	<10	<10	60	<10	93	0.0021	
CC101620		0.06	<10	<10	53	<10	105	0.0023	
CC101621		0.04	<10	<10	40	<10	128	0.0017	
CC101622		0.07	<10	<10	80	<10	67	0.0017	
CC101623		0.06	<10	<10	70	<10	65	>0.1000	NSS
CC101624		0.05	<10	<10	51	<10	125	0.0086	
CC101625		0.10	<10	<10	87	<10	74	0.0036	
CC101626		0.12	<10	<10	79	<10	58	0.0055	
CC101627		0.08	<10	<10	77	<10	52	0.0034	
CC101628		0.07	<10	<10	68	<10	66	0.0388	
CC101629		0.10	<10	<10	80	<10	64	0.0106	
CC101630		0.11	<10	<10	77	<10	86	>0.1000	0.17
CC101631		0.03	<10	<10	45	<10	110	0.0052	
CC101632		0.08	<10	<10	94	<10	68	0.0052	
CC101633		0.11	<10	<10	103	<10	60	0.0045	
CC101634		0.07	<10	<10	83	<10	62	0.0021	
CC101635		0.06	<10	<10	63	<10	47	0.0012	
CC101636		0.08	<10	<10	84	<10	65	0.0015	
CC101637		0.11	<10	<10	84	<10	52	0.0012	
CC101638		0.08	<10	<10	64	<10	41	0.0014	
CC101639		0.11	<10	<10	89	<10	48	0.0020	
CC101640		0.12	<10	<10	76	<10	51	0.0022	
CC101641		0.10	<10	<10	75	<10	36	0.0032	
CC101642		0.08	<10	<10	74	<10	53	0.0020	
CC101643		0.09	<10	<10	79	<10	54	0.0017	
CC101644		0.08	<10	<10	84	<10	60	0.0021	
CC101645		0.08	<10	<10	88	<10	66	0.0019	
CC101646		0.06	<10	<10	78	<10	67	0.0015	
CC101647		0.09	<10	<10	84	<10	58	0.0031	
CC101648		0.07	<10	<10	86	<10	73	0.0017	
CC101649		0.07	<10	<10	68	<10	61	0.0018	



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Project: Tarsis White River

CERTIFICATE OF ANALYSIS VA10096672

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.



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CERTIFICATE VA10096671

Project: Tarsis White River

P.O. No.:

This report is for 171 Soil samples submitted to our lab in Vancouver, BC, Canada on 19-JUL-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER

BILL WENGZYNOWSKI

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-ST44	Super Trace Au - 50g AR	ICP-MS
Au-OG44	Ore Grade Au - 50g AR	ICP-MS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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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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CERTIFICATE OF ANALYSIS VA10096671

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC101801		0.10	0.3	2.04	11	<10	160	<0.5	3	0.99	<0.5	16	50	38	3.03	<10
CC101802		0.10	0.2	2.21	16	<10	160	<0.5	3	0.98	<0.5	15	41	37	3.45	10
CC101803		0.08	0.3	2.24	17	<10	150	<0.5	3	1.07	<0.5	16	41	45	3.43	10
CC101804		0.12	0.2	2.07	11	<10	140	<0.5	2	0.77	<0.5	17	41	37	3.30	10
CC101805		0.14	0.3	1.97	16	<10	130	<0.5	2	1.11	<0.5	18	56	46	3.33	10
CC101806		0.20	0.4	2.48	20	<10	130	<0.5	2	0.98	<0.5	22	80	74	3.77	10
CC101807		0.10	0.3	1.09	7	<10	90	<0.5	<2	1.33	<0.5	10	25	39	2.18	<10
CC101808		0.12	0.3	2.02	16	<10	120	<0.5	2	1.12	<0.5	17	44	52	3.30	10
CC101809		0.08	0.3	1.61	8	<10	90	<0.5	2	1.80	<0.5	13	26	48	2.47	<10
CC101810		0.14	0.3	1.42	14	<10	100	<0.5	2	0.68	<0.5	15	32	27	2.82	<10
CC101811		0.10	1.1	3.33	139	<10	120	<0.5	4	1.09	<0.5	36	104	257	3.80	10
CC101812		0.10	0.4	2.99	147	<10	160	<0.5	4	1.09	<0.5	30	102	198	4.12	10
CC101813		0.10	0.7	2.86	173	<10	130	<0.5	5	1.29	<0.5	30	88	338	3.70	10
CC101814		0.12	0.6	2.52	58	<10	130	<0.5	4	0.64	<0.5	20	57	112	3.78	10
CC101815		0.08	0.5	1.87	47	<10	130	<0.5	4	1.47	<0.5	14	42	100	2.93	<10
CC101816		0.10	0.6	2.51	68	<10	140	<0.5	3	1.04	<0.5	20	56	122	3.83	10
CC101817		0.12	0.7	2.55	51	<10	150	<0.5	3	0.79	<0.5	19	55	95	3.76	10
CC101818		0.08	<0.2	0.97	8	<10	50	<0.5	3	0.27	<0.5	6	25	18	2.46	<10
CC101819		0.08	0.4	2.44	31	<10	180	<0.5	2	1.03	<0.5	16	43	49	3.49	10
CC101820		0.02	0.2	2.13	17	<10	180	<0.5	2	1.12	<0.5	13	40	31	3.14	10
CC101821		0.02	0.2	2.28	12	<10	170	<0.5	2	0.94	<0.5	14	41	32	3.19	10
CC101822		0.08	0.3	2.27	7	<10	160	<0.5	3	0.89	<0.5	14	37	30	2.92	10
CC101823		0.06	0.2	2.23	11	<10	150	<0.5	3	0.87	<0.5	14	37	27	3.01	10
CC101824		0.08	<0.2	2.04	15	<10	150	<0.5	3	0.79	<0.5	14	38	25	3.00	10
CC101825		0.06	0.2	1.64	14	<10	130	<0.5	2	1.05	<0.5	12	34	23	2.65	10
CC101826		0.08	0.3	1.89	15	<10	160	<0.5	3	1.36	<0.5	13	36	32	2.79	10
CC101827		0.08	0.2	2.32	8	<10	140	<0.5	2	0.80	<0.5	15	36	26	2.93	10
CC101828		0.10	0.2	1.96	9	<10	130	<0.5	2	1.00	<0.5	13	35	29	2.72	10
CC101829		0.08	0.3	2.13	9	<10	140	<0.5	3	1.20	<0.5	14	36	38	2.87	10
CC101830		0.08	0.2	2.24	12	<10	160	<0.5	3	0.83	<0.5	14	38	34	3.12	10
CC101831		0.14	0.2	2.20	12	<10	170	<0.5	3	0.91	<0.5	14	41	31	3.31	10
CC101832		0.12	0.2	2.24	13	<10	190	<0.5	3	0.81	<0.5	15	43	28	3.46	10
CC101833		0.08	0.3	1.99	23	<10	140	<0.5	2	1.24	<0.5	15	47	35	3.28	10
CC101834		0.08	0.2	2.45	57	<10	160	0.5	3	1.10	<0.5	18	47	47	3.72	10
CC101835		0.12	0.4	2.42	90	<10	140	<0.5	3	1.24	<0.5	18	51	56	3.58	10
CC101836		0.08	0.4	2.18	53	<10	120	<0.5	3	1.20	<0.5	18	47	72	3.48	10
CC101837		0.10	0.4	1.97	36	<10	120	<0.5	3	1.15	<0.5	18	45	71	3.25	<10
CC101838		0.06	0.7	1.90	37	<10	130	<0.5	<2	1.34	<0.5	14	42	118	2.82	10
CC101839		0.22	21.9	2.72	280	<10	140	<0.5	20	0.79	2.4	41	73	2320	4.90	10
CC101840		0.08	0.2	2.47	59	<10	140	<0.5	2	1.04	<0.5	18	50	75	3.34	10



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Account: F

Project: Tarsis White River

CERTIFICATE OF ANALYSIS VA10096671

Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC101801		<1	0.05	10	0.83	677	1	0.05	86	1040	7	0.10	<2	5	49	<20
CC101802		<1	0.05	10	0.78	566	1	0.05	31	720	5	0.07	<2	6	46	<20
CC101803		<1	0.05	10	0.78	590	1	0.05	32	850	6	0.08	<2	5	48	<20
CC101804		<1	0.05	10	0.71	642	2	0.05	32	850	6	0.08	<2	4	45	<20
CC101805		<1	0.05	10	0.99	622	1	0.05	48	760	6	0.08	<2	7	48	<20
CC101806		1	0.05	10	1.32	684	1	0.05	59	760	9	0.08	12	8	50	<20
CC101807		<1	0.04	10	0.48	614	2	0.05	19	950	3	0.18	<2	2	49	<20
CC101808		<1	0.05	10	0.96	544	1	0.05	46	730	6	0.08	<2	6	50	<20
CC101809		1	0.05	10	0.62	573	1	0.05	24	950	6	0.16	<2	3	48	<20
CC101810		<1	0.04	10	0.58	526	1	0.05	20	660	4	0.09	<2	3	37	<20
CC101811		<1	0.07	10	1.55	509	1	0.07	78	730	4	0.09	4	6	48	<20
CC101812		1	0.06	10	1.40	500	1	0.06	63	800	5	0.09	2	8	52	<20
CC101813		<1	0.06	10	1.29	474	1	0.06	56	710	6	0.08	3	8	49	<20
CC101814		<1	0.05	10	0.92	524	1	0.05	40	420	8	0.05	<2	6	44	<20
CC101815		<1	0.04	10	0.75	529	1	0.05	31	1020	6	0.14	<2	4	53	<20
CC101816		1	0.05	10	0.95	613	1	0.05	40	850	7	0.08	<2	6	48	<20
CC101817		1	0.06	10	0.92	610	1	0.05	40	720	6	0.07	<2	6	46	<20
CC101818		<1	0.04	<10	0.28	123	2	0.04	14	260	5	0.04	<2	2	22	<20
CC101819		<1	0.05	10	0.75	599	1	0.05	34	780	6	0.08	<2	5	52	<20
CC101820		<1	0.05	10	0.66	559	1	0.05	30	800	4	0.09	<2	5	53	<20
CC101821		1	0.05	10	0.74	588	1	0.05	40	700	3	0.08	<2	5	48	<20
CC101822		<1	0.05	10	0.74	589	1	0.05	30	760	3	0.08	<2	5	48	<20
CC101823		<1	0.05	10	0.69	698	1	0.05	28	770	5	0.07	<2	5	50	<20
CC101824		<1	0.06	10	0.70	647	1	0.05	28	630	5	0.06	<2	5	44	<20
CC101825		<1	0.07	10	0.64	516	1	0.05	30	580	6	0.07	<2	4	52	<20
CC101826		<1	0.06	10	0.66	694	1	0.05	34	730	6	0.08	<2	5	57	<20
CC101827		1	0.05	10	0.62	562	1	0.05	25	740	4	0.07	<2	5	47	<20
CC101828		<1	0.05	10	0.61	592	1	0.05	26	690	5	0.07	<2	4	50	<20
CC101829		1	0.05	10	0.65	581	1	0.05	30	900	3	0.10	<2	4	53	<20
CC101830		<1	0.05	10	0.68	566	1	0.04	41	830	9	0.08	<2	4	45	<20
CC101831		1	0.05	10	0.72	528	1	0.05	37	800	6	0.08	<2	5	47	<20
CC101832		<1	0.04	10	0.73	510	1	0.05	31	550	5	0.06	<2	5	44	<20
CC101833		1	0.05	10	0.69	599	2	0.05	34	730	5	0.10	<2	4	53	<20
CC101834		1	0.05	10	0.86	719	2	0.05	35	1020	7	0.10	2	5	49	<20
CC101835		<1	0.05	10	0.90	638	1	0.05	36	820	6	0.08	<2	7	52	<20
CC101836		1	0.05	10	0.88	665	1	0.06	34	780	7	0.08	<2	6	54	<20
CC101837		<1	0.04	10	0.76	579	2	0.05	42	740	10	0.07	3	5	50	<20
CC101838		<1	0.05	10	0.74	583	1	0.05	33	880	6	0.11	3	5	47	<20
CC101839		<1	0.06	10	1.26	643	1	0.04	93	630	24	0.04	22	11	33	<20
CC101840		1	0.05	10	0.90	526	1	0.05	56	720	5	0.07	<2	5	54	<20



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CERTIFICATE OF ANALYSIS VA10096671

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC101801		0.08	<10	<10	72	<10	74	0.0022	
CC101802		0.09	<10	<10	83	<10	71	NSS	
CC101803		0.09	<10	<10	83	<10	75	NSS	
CC101804		0.09	<10	<10	80	<10	68	0.0038	
CC101805		0.08	<10	<10	82	<10	61	0.0054	
CC101806		0.10	<10	<10	95	<10	69	0.0022	
CC101807		0.05	<10	<10	45	<10	48	NSS	
CC101808		0.08	<10	<10	81	<10	70	0.0024	
CC101809		0.05	<10	<10	53	<10	57	NSS	
CC101810		0.07	<10	<10	59	<10	68	0.0024	
CC101811		0.06	<10	<10	64	<10	64	0.0253	
CC101812		0.07	<10	<10	80	<10	76	0.0226	
CC101813		0.07	<10	<10	73	<10	68	0.0492	
CC101814		0.09	<10	<10	85	<10	76	0.0086	
CC101815		0.06	<10	<10	64	<10	63	NSS	
CC101816		0.07	<10	<10	85	<10	80	0.0096	
CC101817		0.08	<10	<10	87	<10	84	0.0057	
CC101818		0.09	<10	<10	68	<10	39	NSS	
CC101819		0.08	<10	<10	80	<10	76	0.0031	
CC101820		0.08	<10	<10	75	<10	67	NSS	
CC101821		0.10	<10	<10	78	<10	67	NSS	
CC101822		0.09	<10	<10	69	<10	59	NSS	
CC101823		0.10	<10	<10	73	<10	56	NSS	
CC101824		0.12	<10	<10	77	<10	61	0.0042	
CC101825		0.10	<10	<10	65	<10	56	NSS	
CC101826		0.10	<10	<10	66	<10	60	NSS	
CC101827		0.09	<10	<10	77	<10	52	NSS	
CC101828		0.09	<10	<10	68	<10	52	0.0026	
CC101829		0.07	<10	<10	64	<10	63	NSS	
CC101830		0.08	<10	<10	73	<10	68	0.0034	
CC101831		0.10	<10	<10	80	<10	68	0.0025	
CC101832		0.11	<10	<10	87	<10	63	0.0021	
CC101833		0.08	<10	<10	74	<10	59	0.0025	
CC101834		0.07	<10	<10	87	<10	82	0.0021	
CC101835		0.07	<10	<10	90	<10	76	0.0045	
CC101836		0.08	<10	<10	85	<10	66	0.0064	
CC101837		0.07	10	<10	82	<10	60	0.0044	
CC101838		0.06	<10	<10	64	<10	72	NSS	
CC101839		0.06	10	<10	90	<10	119	>0.1000	NSS
CC101840		0.06	10	<10	74	<10	77	0.0138	



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CERTIFICATE OF ANALYSIS VA10096671

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC101841		0.08	0.2	2.12	17	<10	130	<0.5	<2	0.91	<0.5	12	35	38	2.85	10
CC101842		0.08	0.3	2.12	13	<10	130	<0.5	2	0.93	<0.5	13	35	38	2.86	10
CC101843		0.10	<0.2	2.24	16	<10	140	<0.5	<2	0.97	<0.5	14	36	41	2.97	10
CC101844		0.08	<0.2	2.19	16	<10	130	<0.5	<2	0.96	<0.5	13	36	39	2.93	10
CC101845		0.08	0.2	2.41	15	<10	140	<0.5	<2	1.15	<0.5	14	38	45	3.10	10
CC101846		0.10	0.4	2.43	15	<10	140	<0.5	<2	1.17	<0.5	15	38	45	3.11	10
CC101847		0.10	0.2	2.37	17	<10	140	<0.5	<2	1.07	<0.5	14	38	43	3.07	10
CC101848		0.10	0.2	2.12	11	<10	120	<0.5	<2	1.09	<0.5	12	35	40	2.74	10
CC101849		0.14	0.3	2.58	17	<10	150	<0.5	<2	1.05	<0.5	14	39	47	3.10	10
CC101850		0.08	<0.2	2.32	15	<10	140	<0.5	<2	1.06	<0.5	14	37	42	2.94	<10
CC101853		0.14	0.2	1.09	7	<10	80	<0.5	<2	0.77	<0.5	11	25	19	2.29	10
CC101854		0.10	<0.2	1.34	10	<10	110	<0.5	<2	0.69	<0.5	13	29	20	2.80	10
CC101855		0.12	0.3	1.11	10	<10	80	<0.5	<2	1.56	<0.5	10	24	27	2.03	<10
CC101856		0.10	0.3	1.53	16	<10	80	<0.5	2	1.49	<0.5	12	29	34	2.32	<10
CC101857		0.14	<0.2	1.44	14	<10	120	<0.5	<2	1.01	<0.5	10	30	28	2.36	10
CC101858		0.14	<0.2	1.97	30	<10	150	<0.5	<2	0.93	<0.5	17	49	43	2.96	<10
CC101859		0.20	<0.2	1.65	21	<10	120	<0.5	<2	0.52	<0.5	18	51	27	3.03	<10
CC101860		0.22	<0.2	2.58	21	<10	290	<0.5	<2	0.62	<0.5	16	69	30	3.83	10
CC101861		0.14	<0.2	1.77	6	<10	220	<0.5	<2	0.28	<0.5	14	39	33	2.83	10
CC101862		0.16	<0.2	2.06	7	<10	310	<0.5	<2	0.62	<0.5	14	40	42	3.32	10
CC101863		0.18	<0.2	2.09	10	<10	320	<0.5	<2	0.65	<0.5	16	44	40	3.20	10
CC101864		0.16	0.2	1.98	17	<10	270	<0.5	2	0.92	<0.5	14	40	48	2.85	10
CC101865		0.12	<0.2	2.05	7	<10	260	<0.5	2	1.11	<0.5	9	41	54	2.03	<10
CC101866		0.18	<0.2	1.43	14	<10	130	<0.5	2	1.45	<0.5	10	31	40	2.19	<10
CC101867		0.14	0.3	2.29	25	<10	170	<0.5	<2	1.03	<0.5	15	42	57	3.14	10
CC101868		0.18	0.4	2.21	23	<10	160	<0.5	<2	1.08	<0.5	14	42	57	2.90	10
CC101869		0.16	0.3	2.15	24	<10	160	<0.5	2	0.98	<0.5	14	42	48	2.71	<10
CC101870		0.18	0.3	2.47	35	<10	190	<0.5	2	0.97	<0.5	15	49	60	3.11	10
CC101871		0.12	0.2	2.33	18	<10	160	<0.5	<2	0.83	<0.5	12	45	44	2.76	10
CC101872		0.14	0.4	2.56	30	<10	180	<0.5	2	1.04	<0.5	16	48	67	3.18	10
CC101873		0.16	0.2	2.78	36	<10	190	<0.5	<2	0.94	<0.5	16	52	67	3.35	<10
CC101874		0.12	0.3	2.14	35	<10	130	<0.5	<2	1.29	<0.5	19	40	60	2.88	10
CC101875		0.10	0.3	1.82	31	<10	100	<0.5	<2	1.14	<0.5	14	37	58	2.79	<10
CC101876		0.24	0.3	2.54	65	<10	140	<0.5	<2	0.69	<0.5	21	64	91	3.40	10
CC101877		0.12	0.3	1.62	37	<10	90	<0.5	<2	1.58	<0.5	14	34	62	2.65	<10
CC101878		0.14	0.3	1.42	30	<10	60	<0.5	<2	0.97	<0.5	13	29	44	2.68	<10
CC101879		0.16	0.4	2.73	47	<10	130	<0.5	<2	0.88	<0.5	23	57	75	3.70	10
CC101880		0.16	<0.2	2.41	44	<10	140	0.7	<2	0.43	<0.5	16	71	47	3.69	10
CC101881		0.12	0.2	1.83	42	<10	190	<0.5	<2	0.81	<0.5	23	113	34	3.34	10
CC101882		0.14	0.2	1.59	137	<10	170	<0.5	<2	0.95	<0.5	15	100	42	2.86	<10



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Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC101841		<1	0.05	10	0.60	492	1	0.04	26	730	2	0.05	<2	4	48	<20
CC101842		<1	0.05	10	0.60	501	1	0.04	26	730	2	0.05	<2	4	47	<20
CC101843		<1	0.05	10	0.61	543	1	0.04	28	780	4	0.06	<2	4	48	<20
CC101844		<1	0.05	10	0.60	520	1	0.04	26	770	3	0.06	<2	4	48	<20
CC101845		<1	0.05	10	0.62	597	1	0.04	27	890	5	0.07	2	5	48	<20
CC101846		<1	0.05	10	0.62	610	1	0.04	29	890	5	0.07	<2	5	48	<20
CC101847		1	0.05	10	0.62	574	1	0.04	27	840	4	0.07	<2	5	49	<20
CC101848		<1	0.05	10	0.58	413	1	0.04	25	790	3	0.08	2	4	46	<20
CC101849		<1	0.05	10	0.66	543	1	0.05	30	920	3	0.07	3	5	52	<20
CC101850		<1	0.05	10	0.61	551	1	0.04	28	870	4	0.07	<2	4	50	<20
CC101853		1	0.05	<10	0.35	533	1	0.04	12	630	3	0.06	<2	2	40	<20
CC101854		1	0.04	<10	0.54	626	1	0.04	18	500	4	0.05	<2	3	35	<20
CC101855		1	0.04	10	0.39	421	<1	0.04	13	910	3	0.12	<2	2	47	<20
CC101856		<1	0.05	10	0.51	462	1	0.04	20	790	2	0.09	<2	3	44	<20
CC101857		<1	0.04	10	0.46	375	1	0.04	20	730	3	0.08	<2	3	42	<20
CC101858		<1	0.05	10	0.84	521	1	0.04	103	700	4	0.07	<2	4	40	<20
CC101859		<1	0.05	10	0.95	464	1	0.04	160	600	2	0.05	<2	3	33	<20
CC101860		<1	0.06	10	1.14	237	1	0.05	116	500	4	0.03	<2	6	44	<20
CC101861		<1	0.06	10	0.52	496	1	0.04	20	500	8	0.04	<2	4	24	<20
CC101862		<1	0.06	10	0.69	621	1	0.04	30	770	5	0.06	2	4	37	<20
CC101863		<1	0.07	10	0.71	570	1	0.05	28	640	5	0.05	<2	5	38	<20
CC101864		<1	0.06	10	0.73	1245	1	0.05	64	700	4	0.08	<2	5	46	<20
CC101865		<1	0.06	10	0.73	176	<1	0.05	48	790	5	0.13	<2	5	50	<20
CC101866		<1	0.05	10	0.53	444	<1	0.04	32	640	4	0.08	<2	3	51	<20
CC101867		2	0.04	10	0.67	592	1	0.04	31	730	4	0.07	<2	5	48	<20
CC101868		<1	0.05	10	0.69	647	1	0.04	32	670	4	0.06	<2	5	49	<20
CC101869		<1	0.05	10	0.69	702	1	0.04	37	670	4	0.07	<2	5	45	<20
CC101870		<1	0.06	10	0.78	468	1	0.04	53	750	3	0.07	<2	5	45	<20
CC101871		<1	0.05	10	0.74	315	1	0.04	47	800	3	0.08	<2	4	42	<20
CC101872		<1	0.05	10	0.78	659	1	0.04	53	790	3	0.07	3	5	54	<20
CC101873		1	0.05	10	0.80	528	1	0.04	54	870	3	0.07	<2	5	45	<20
CC101874		<1	0.05	10	0.67	777	1	0.04	41	980	4	0.11	2	4	52	<20
CC101875		<1	0.05	10	0.71	554	1	0.03	40	710	6	0.09	<2	4	49	<20
CC101876		1	0.05	<10	1.02	470	1	0.03	42	330	4	0.02	<2	6	48	<20
CC101877		1	0.04	10	0.64	640	1	0.02	26	1000	5	0.14	<2	3	52	<20
CC101878		<1	0.04	10	0.54	542	1	0.02	21	750	4	0.10	<2	3	35	<20
CC101879		1	0.06	<10	1.08	567	1	0.03	63	600	5	0.05	<2	4	55	<20
CC101880		1	0.12	10	0.93	603	1	0.02	78	410	6	0.02	<2	6	35	<20
CC101881		<1	0.09	10	1.06	760	1	0.03	98	900	6	0.11	<2	4	47	<20
CC101882		<1	0.09	10	1.00	440	2	0.03	108	850	4	0.10	<2	4	44	<20



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Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC101841		0.06	<10	<10	68	<10	51	0.0031	
CC101842		0.06	<10	<10	68	<10	52	0.0034	
CC101843		0.06	<10	<10	71	<10	53	0.0033	
CC101844		0.06	<10	<10	70	<10	53	0.0029	
CC101845		0.06	10	<10	72	<10	54	0.0030	
CC101846		0.06	<10	<10	73	<10	53	0.0027	
CC101847		0.06	<10	<10	72	<10	54	0.0030	
CC101848		0.06	<10	<10	62	<10	47	NSS	
CC101849		0.06	<10	<10	70	<10	53	0.0028	
CC101850		0.06	<10	<10	68	<10	52	0.0031	
CC101853		0.06	<10	<10	56	<10	42	0.0039	
CC101854		0.07	<10	<10	69	<10	53	0.0029	
CC101855		0.05	<10	<10	45	<10	55	NSS	
CC101856		0.05	<10	<10	55	<10	45	NSS	
CC101857		0.06	<10	<10	57	<10	49	NSS	
CC101858		0.07	<10	<10	66	<10	61	0.0054	
CC101859		0.08	<10	<10	73	<10	50	0.0056	
CC101860		0.13	<10	<10	98	<10	64	0.0060	
CC101861		0.09	<10	<10	76	<10	51	NSS	
CC101862		0.09	<10	<10	83	<10	80	0.0049	
CC101863		0.10	<10	<10	83	<10	57	0.0049	
CC101864		0.09	<10	<10	66	<10	65	0.0047	
CC101865		0.08	<10	<10	58	<10	64	0.0054	
CC101866		0.06	<10	<10	49	<10	53	0.0040	
CC101867		0.07	10	<10	74	<10	58	0.0064	
CC101868		0.07	<10	<10	68	<10	65	0.0063	
CC101869		0.07	<10	<10	63	<10	60	0.0067	
CC101870		0.08	<10	<10	70	<10	67	0.0082	
CC101871		0.07	<10	<10	63	<10	57	0.0041	
CC101872		0.07	<10	<10	69	<10	63	0.0098	
CC101873		0.07	<10	<10	74	<10	66	0.0077	
CC101874		0.06	<10	<10	61	<10	63	0.0070	
CC101875		0.06	<10	<10	57	<10	65	0.0048	
CC101876		0.09	<10	<10	79	<10	50	0.0143	
CC101877		0.04	<10	<10	60	<10	54	NSS	
CC101878		0.06	<10	<10	63	<10	46	NSS	
CC101879		0.08	<10	<10	76	<10	58	0.0190	
CC101880		0.13	<10	<10	80	<10	53	0.0178	
CC101881		0.09	<10	<10	75	<10	57	0.0062	
CC101882		0.08	<10	<10	72	<10	53	NSS	



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC101883		0.14	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC101884		0.12	<0.2	0.98	8	<10	170	<0.5	<2	0.80	<0.5	10	24	22	2.23	<10
CC101885		0.16	<0.2	1.18	9	<10	100	<0.5	<2	0.58	<0.5	11	30	26	2.92	10
CC101886		0.14	<0.2	1.36	18	<10	180	<0.5	<2	0.88	<0.5	13	44	32	2.76	10
CC101887		0.14	0.3	2.08	32	<10	220	<0.5	<2	0.78	<0.5	21	54	52	3.29	10
CC101888		0.16	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC101889		0.14	0.4	2.35	51	<10	140	<0.5	<2	0.97	<0.5	17	51	63	3.39	10
CC101890		0.14	0.2	0.65	4	<10	40	<0.5	<2	0.22	<0.5	4	14	10	1.55	<10
CC101891		0.12	0.2	2.19	26	<10	200	<0.5	<2	0.84	<0.5	15	49	42	3.17	10
CC101892		0.14	<0.2	1.61	18	<10	140	<0.5	<2	1.53	<0.5	12	43	45	2.44	<10
CC101893		0.14	<0.2	1.56	18	<10	220	<0.5	<2	1.31	<0.5	16	52	37	2.49	<10
CC101894		0.16	<0.2	1.94	20	<10	180	<0.5	<2	1.05	<0.5	16	55	38	2.77	<10
CC101895		0.18	<0.2	1.60	23	<10	140	<0.5	<2	0.86	<0.5	13	43	28	2.55	<10
CC101896		0.12	0.2	1.85	15	<10	130	<0.5	<2	0.98	<0.5	13	38	27	2.81	<10
CC101897		0.16	<0.2	1.71	17	<10	150	<0.5	<2	0.85	<0.5	11	47	27	2.57	10
CC101898		0.12	<0.2	1.76	21	<10	170	<0.5	<2	0.88	<0.5	21	44	30	2.95	10
CC101899		0.12	<0.2	1.32	13	<10	100	<0.5	<2	0.96	<0.5	11	35	32	1.96	<10
CC101900		0.12	<0.2	1.94	29	<10	150	<0.5	<2	0.80	<0.5	23	66	49	2.85	10
CC101901		0.14	0.3	2.31	34	<10	150	<0.5	<2	0.82	<0.5	17	84	57	3.26	10
CC101902		0.14	0.3	2.29	31	<10	160	<0.5	<2	0.69	<0.5	17	89	54	3.28	10
CC101903		0.10	0.2	1.23	15	<10	80	<0.5	<2	1.21	<0.5	11	26	33	2.12	<10
CC101904		0.12	0.2	1.91	19	<10	160	<0.5	<2	0.96	<0.5	13	40	43	2.66	10
CC101905		0.10	0.2	1.27	6	<10	50	<0.5	<2	0.24	<0.5	6	26	20	2.56	10
CC101906		0.06	0.2	0.94	6	<10	30	<0.5	<2	0.37	<0.5	5	22	15	2.12	<10
CC101907		0.10	0.2	2.30	13	<10	100	0.5	<2	0.37	<0.5	9	46	39	4.23	10
CC101908		0.06	0.3	1.65	9	<10	70	<0.5	<2	0.43	<0.5	9	34	27	3.29	10
CC101909		0.08	0.5	1.72	12	<10	250	<0.5	<2	0.79	<0.5	11	32	38	2.53	10
CC101910		0.08	0.3	1.77	13	<10	290	<0.5	<2	1.00	<0.5	15	32	44	2.78	<10
CC101911		0.08	0.3	1.99	20	<10	200	<0.5	<2	1.25	<0.5	17	63	71	2.59	<10
CC101912		0.10	0.3	2.61	28	<10	160	<0.5	<2	1.14	<0.5	15	49	49	3.34	10
CC101913		0.10	<0.2	2.00	24	<10	130	<0.5	<2	1.16	<0.5	15	38	35	3.07	<10
CC101914		0.10	0.2	2.06	23	<10	110	<0.5	<2	1.47	<0.5	13	45	49	2.79	10
CC101915		0.08	0.2	2.29	67	<10	130	<0.5	<2	0.94	<0.5	18	55	57	3.32	10
CC101916		0.08	<0.2	2.07	85	<10	130	<0.5	<2	0.87	<0.5	19	42	78	3.20	10
CC101917		0.08	0.2	2.52	70	<10	130	<0.5	<2	1.27	<0.5	23	55	91	3.44	10
CC101918		0.20	0.4	1.40	266	<10	150	0.7	<2	0.49	<0.5	34	20	128	4.52	10
CC101919		0.10	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC101920		0.10	<0.2	2.17	64	<10	270	0.5	2	0.94	<0.5	16	167	46	2.92	10
CC101921		0.10	0.2	1.98	40	<10	140	<0.5	<2	0.38	<0.5	13	61	30	3.38	10
CC101922		0.10	<0.2	2.27	78	<10	160	<0.5	<2	0.79	<0.5	17	55	46	3.18	10



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CERTIFICATE OF ANALYSIS VA10096671

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1	Th ppm 20
CC101883		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC101884		<1	0.06	10	0.39	509	2	0.03	16	910	4	0.11	<2	2	38	<20
CC101885		<1	0.05	10	0.36	539	2	0.02	17	740	5	0.08	<2	3	30	<20
CC101886		<1	0.05	10	0.63	682	2	0.03	28	730	5	0.09	<2	3	42	<20
CC101887		<1	0.05	10	0.84	1400	2	0.02	40	880	7	0.07	<2	5	45	<20
CC101888		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC101889		<1	0.04	10	0.80	534	1	0.02	33	770	6	0.07	<2	4	41	<20
CC101890		<1	0.02	<10	0.16	98	1	0.02	8	170	2	0.01	<2	1	16	<20
CC101891		1	0.05	10	0.83	541	1	0.03	59	630	7	0.05	<2	5	44	<20
CC101892		1	0.04	10	0.62	504	1	0.03	111	1040	4	0.10	<2	3	48	<20
CC101893		<1	0.04	10	0.85	773	1	0.03	112	820	4	0.08	<2	4	49	<20
CC101894		<1	0.05	10	0.98	599	1	0.03	89	710	5	0.06	<2	4	46	<20
CC101895		<1	0.05	10	0.78	601	1	0.03	70	690	5	0.05	<2	4	43	<20
CC101896		<1	0.05	10	0.73	597	1	0.02	41	770	5	0.06	<2	4	48	<20
CC101897		<1	0.04	10	0.78	304	1	0.02	58	630	6	0.05	<2	5	40	<20
CC101898		<1	0.05	10	0.76	1770	2	0.03	94	700	6	0.04	<2	5	42	<20
CC101899		<1	0.04	10	0.66	336	1	0.03	148	780	4	0.08	<2	3	41	<20
CC101900		1	0.05	10	1.32	412	1	0.03	143	590	3	0.06	<2	5	36	<20
CC101901		<1	0.05	10	1.15	439	1	0.02	146	660	5	0.07	<2	5	38	<20
CC101902		1	0.05	10	1.17	431	1	0.02	142	540	6	0.04	<2	5	34	<20
CC101903		1	0.04	10	0.59	448	1	0.03	130	1060	4	0.14	<2	2	48	<20
CC101904		<1	0.04	10	0.72	469	1	0.03	152	1100	5	0.10	<2	4	46	<20
CC101905		<1	0.03	10	0.31	130	2	0.02	14	240	5	0.02	<2	3	17	<20
CC101906		<1	0.03	<10	0.28	122	2	0.02	11	310	4	0.03	<2	2	21	<20
CC101907		<1	0.04	10	0.51	226	2	0.01	27	450	7	0.04	<2	4	26	<20
CC101908		<1	0.04	10	0.49	306	2	0.02	20	540	5	0.05	<2	2	26	<20
CC101909		<1	0.04	10	0.49	891	2	0.02	25	680	6	0.05	<2	3	46	<20
CC101910		<1	0.04	10	0.48	1285	2	0.02	29	720	6	0.06	<2	3	56	<20
CC101911		<1	0.04	10	1.11	715	1	0.03	231	890	6	0.09	<2	5	45	<20
CC101912		1	0.05	10	0.78	567	1	0.03	41	880	4	0.06	<2	5	50	<20
CC101913		<1	0.05	10	0.65	621	1	0.03	29	810	5	0.06	<2	4	41	<20
CC101914		1	0.04	10	0.74	436	1	0.03	41	750	3	0.06	<2	4	38	<20
CC101915		1	0.04	10	1.02	492	1	0.03	64	580	4	0.04	<2	6	42	<20
CC101916		<1	0.04	10	0.72	685	2	0.03	73	780	4	0.05	<2	4	45	<20
CC101917		1	0.05	10	1.08	615	1	0.03	116	840	4	0.06	<2	4	45	<20
CC101918		<1	0.06	20	1.09	1935	5	<0.01	88	440	<2	<0.01	20	7	23	<20
CC101919		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC101920		<1	0.08	10	1.39	581	2	0.03	123	760	6	0.07	<2	4	59	<20
CC101921		<1	0.05	10	0.66	455	2	0.02	38	600	5	0.04	<2	3	33	<20
CC101922		<1	0.05	10	0.87	432	1	0.03	52	540	5	0.04	<2	4	50	<20



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Project: Tarsis White River

CERTIFICATE OF ANALYSIS VA10096671

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC101883		NSS	NSS	NSS	NSS	NSS	NSS	0.0028	
CC101884		0.05	<10	<10	50	<10	52	0.0024	
CC101885		0.08	<10	<10	76	<10	59	0.0024	
CC101886		0.08	<10	<10	65	<10	65	0.0026	
CC101887		0.09	<10	<10	83	<10	81	0.0032	
CC101888		NSS	NSS	NSS	NSS	NSS	NSS	0.0037	
CC101889		0.07	<10	<10	72	<10	65	0.0063	
CC101890		0.06	<10	<10	42	<10	27	0.0017	
CC101891		0.10	<10	<10	75	<10	67	0.0039	
CC101892		0.05	<10	<10	54	<10	50	NSS	
CC101893		0.07	<10	<10	61	<10	61	0.0030	
CC101894		0.09	<10	<10	69	<10	68	0.0035	
CC101895		0.09	<10	<10	62	<10	62	0.0030	
CC101896		0.08	<10	<10	69	<10	61	NSS	
CC101897		0.10	<10	<10	66	<10	51	0.0044	
CC101898		0.10	<10	<10	69	<10	64	0.0031	
CC101899		0.06	<10	<10	48	<10	38	0.0050	
CC101900		0.10	<10	<10	73	<10	56	0.0060	
CC101901		0.08	<10	<10	76	<10	60	0.0062	
CC101902		0.08	<10	<10	78	<10	59	0.0105	
CC101903		0.04	<10	<10	43	<10	38	NSS	
CC101904		0.06	<10	<10	57	<10	59	NSS	
CC101905		0.09	<10	<10	63	<10	34	0.0037	
CC101906		0.07	<10	<10	55	<10	31	0.0019	
CC101907		0.11	<10	<10	107	<10	52	0.0029	
CC101908		0.08	<10	<10	80	<10	48	NSS	
CC101909		0.06	<10	<10	54	<10	52	0.0058	
CC101910		0.06	<10	<10	58	<10	54	0.0054	
CC101911		0.06	<10	<10	60	<10	59	NSS	
CC101912		0.06	<10	<10	79	<10	62	0.0059	
CC101913		0.06	<10	<10	74	<10	60	0.0037	
CC101914		0.05	<10	<10	67	<10	53	0.0040	
CC101915		0.07	<10	<10	87	<10	52	0.0054	
CC101916		0.06	<10	<10	73	<10	56	0.0140	
CC101917		0.06	<10	<10	73	<10	66	NSS	
CC101918		0.01	<10	<10	27	<10	49	NSS	
CC101919		NSS	NSS	NSS	NSS	NSS	NSS	0.0019	
CC101920		0.10	<10	<10	77	<10	61	0.0051	
CC101921		0.08	<10	<10	77	<10	46	0.0037	
CC101922		0.09	<10	<10	75	<10	53	0.0096	



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CERTIFICATE OF ANALYSIS VA10096671

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC101923		0.12	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC101924		0.12	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC101925		0.08	0.3	1.96	26	<10	120	<0.5	<2	0.99	<0.5	13	45	50	2.64	<10
CC101926		0.14	<0.2	2.19	15	<10	160	<0.5	<2	0.84	<0.5	14	46	33	2.71	10
CC101927		0.12	0.3	1.74	40	<10	210	<0.5	<2	1.00	<0.5	13	35	30	2.63	<10
CC101928		0.12	<0.2	1.87	22	<10	200	<0.5	<2	0.77	<0.5	18	53	36	2.95	10
CC101929		0.10	0.3	1.64	14	<10	160	<0.5	<2	0.70	<0.5	18	49	24	2.61	<10
CC101930		0.12	<0.2	1.56	17	<10	150	<0.5	<2	0.73	<0.5	12	36	23	2.62	<10
CC101661		0.10	0.2	2.07	184	<10	200	0.5	<2	0.82	<0.5	19	65	74	3.43	10
CC101662		0.12	0.2	0.93	260	<10	150	<0.5	2	0.48	<0.5	11	33	35	2.37	<10
CC78101		0.18	<0.2	2.16	42	<10	130	0.9	<2	0.50	<0.5	14	42	37	3.58	10
CC78102		0.12	0.2	1.71	16	<10	120	0.6	<2	0.95	<0.5	15	32	33	3.17	10
CC78103		0.12	<0.2	1.74	12	<10	120	0.7	<2	0.67	<0.5	16	37	37	3.41	<10
CC78104		0.12	<0.2	1.55	9	<10	110	<0.5	<2	0.54	<0.5	10	35	27	3.33	10
CC78105		0.14	0.2	1.46	9	<10	130	<0.5	<2	0.82	<0.5	12	30	26	2.93	<10
CC78106		0.14	<0.2	0.77	5	<10	50	<0.5	2	0.30	<0.5	5	15	10	1.62	<10
CC78107		0.12	<0.2	1.09	6	<10	110	<0.5	<2	0.46	<0.5	7	25	15	2.26	10
CC78108		0.14	0.3	1.16	9	<10	80	<0.5	<2	0.49	<0.5	10	26	20	2.58	<10
CC78109		0.14	<0.2	1.52	58	<10	100	<0.5	<2	0.59	<0.5	15	33	26	3.02	10
CC78110		0.10	0.3	1.58	30	<10	110	<0.5	<2	0.69	<0.5	14	31	22	3.06	10
CC78111		0.12	<0.2	1.42	12	<10	120	<0.5	<2	0.68	<0.5	12	28	22	2.76	<10
CC78112		0.12	0.2	1.58	20	<10	120	<0.5	<2	0.63	<0.5	12	34	26	3.28	10
CC78113		0.16	<0.2	2.64	15	<10	190	1.0	<2	0.56	<0.5	13	43	30	3.60	10
CC78114		0.18	<0.2	2.19	16	<10	140	1.1	<2	0.72	<0.5	13	44	30	3.79	10
CC78115		0.10	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC78116		0.14	<0.2	2.21	48	<10	160	1.2	2	0.68	<0.5	15	40	37	3.66	10
CC78117		0.10	<0.2	1.89	17	<10	140	0.7	<2	0.62	<0.5	13	36	27	3.24	10
CC78118		0.12	<0.2	1.89	26	<10	180	0.8	<2	0.82	<0.5	15	36	34	3.22	10
CC78119		0.12	<0.2	2.06	32	<10	150	1.9	<2	0.96	<0.5	14	33	34	3.13	<10
CC78120		0.12	<0.2	1.72	28	<10	140	0.7	2	0.55	<0.5	15	37	28	3.43	10
CC78121		0.12	<0.2	1.64	12	<10	160	<0.5	<2	0.88	<0.5	15	33	31	3.14	<10
CC78122		0.14	<0.2	1.92	139	<10	150	0.7	<2	0.68	<0.5	28	36	26	3.21	10
CC78123		0.14	<0.2	1.87	101	<10	130	0.6	<2	0.59	<0.5	21	33	22	3.35	10
CC78124		0.10	<0.2	2.22	172	<10	150	0.7	<2	0.81	<0.5	24	40	31	3.64	10
CC78125		0.16	<0.2	1.79	358	<10	130	0.6	<2	0.89	<0.5	51	33	32	3.00	10
CC78126		0.12	<0.2	1.21	10	<10	90	<0.5	<2	0.46	<0.5	13	23	16	2.32	<10
CC78127		0.14	<0.2	1.55	8	<10	90	<0.5	2	0.60	<0.5	15	29	25	2.88	<10
CC78128		0.10	<0.2	2.36	26	<10	150	0.6	2	0.65	<0.5	16	38	32	3.82	10
CC78129		0.14	<0.2	1.54	25	<10	120	0.5	<2	0.68	<0.5	12	32	28	3.12	<10
CC78130		0.08	<0.2	1.35	22	<10	120	0.6	<2	0.96	<0.5	19	28	26	2.64	<10



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
		ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1	ppm 1	ppm 1
CC101923	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC101924	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC101925	<1	0.04	10	0.73	367	1	0.03	40	620	3	0.05	<2	5	51	<20	
CC101926	<1	0.04	10	0.72	421	1	0.03	45	680	3	0.06	<2	5	46	<20	
CC101927	<1	0.05	10	0.61	785	1	0.03	27	580	5	0.04	<2	4	47	<20	
CC101928	<1	0.05	10	0.93	727	1	0.03	85	690	4	0.03	<2	6	44	<20	
CC101929	<1	0.04	10	0.85	558	1	0.03	94	520	3	0.02	<2	5	39	<20	
CC101930	<1	0.05	10	0.61	576	1	0.02	32	560	4	0.02	<2	4	38	<20	
CC101661	<1	0.09	10	0.97	547	1	0.04	57	650	6	0.05	2	5	56	<20	
CC101662	<1	0.05	10	0.30	392	2	0.01	30	1060	3	0.12	<2	1	29	<20	
CC78101	<1	0.07	20	0.77	599	2	0.02	33	850	6	0.05	2	4	33	<20	
CC78102	<1	0.06	20	0.58	684	2	0.03	26	1020	6	0.09	<2	3	53	<20	
CC78103	<1	0.07	10	0.66	717	2	0.03	29	820	5	0.06	<2	4	43	<20	
CC78104	<1	0.04	10	0.63	368	2	0.03	21	740	4	0.06	<2	3	36	<20	
CC78105	<1	0.05	10	0.59	546	1	0.04	23	760	4	0.08	<2	3	45	<20	
CC78106	<1	0.02	<10	0.27	185	1	0.03	9	380	<2	0.02	<2	1	20	<20	
CC78107	<1	0.04	10	0.39	410	2	0.03	13	710	4	0.04	<2	2	27	<20	
CC78108	<1	0.05	10	0.44	299	2	0.03	15	510	4	0.04	<2	2	30	<20	
CC78109	<1	0.04	10	0.54	511	2	0.03	23	730	5	0.04	<2	2	28	<20	
CC78110	<1	0.05	10	0.56	462	2	0.03	21	670	4	0.05	<2	3	38	<20	
CC78111	<1	0.05	10	0.54	609	2	0.03	20	940	4	0.07	<2	2	39	<20	
CC78112	<1	0.04	10	0.58	597	2	0.03	21	820	12	0.06	<2	2	38	<20	
CC78113	1	0.05	20	1.14	591	1	0.02	31	830	10	0.04	<2	6	66	<20	
CC78114	<1	0.07	20	0.90	567	1	0.03	30	650	7	0.04	<2	6	38	<20	
CC78115	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC78116	<1	0.06	20	0.75	722	2	0.03	34	1110	14	0.10	2	3	45	<20	
CC78117	<1	0.05	10	0.69	660	1	0.04	27	1080	8	0.09	2	3	43	<20	
CC78118	<1	0.06	10	0.60	723	1	0.03	29	1060	10	0.10	3	3	55	<20	
CC78119	<1	0.06	20	0.59	643	1	0.03	34	1120	10	0.11	2	5	54	<20	
CC78120	<1	0.06	10	0.66	570	1	0.03	35	630	7	0.06	<2	3	36	<20	
CC78121	<1	0.05	10	0.62	654	1	0.04	30	800	8	0.10	<2	3	47	<20	
CC78122	<1	0.06	10	0.72	542	1	0.03	40	780	11	0.07	2	2	38	<20	
CC78123	<1	0.04	10	0.54	654	1	0.04	25	610	9	0.06	<2	3	36	<20	
CC78124	<1	0.05	10	0.70	680	1	0.04	35	760	12	0.06	<2	4	44	<20	
CC78125	1	0.06	10	0.69	460	<1	0.04	34	840	9	0.07	<2	3	64	<20	
CC78126	<1	0.03	10	0.39	509	1	0.05	15	460	7	0.05	<2	2	31	<20	
CC78127	<1	0.04	10	0.57	487	1	0.05	24	520	6	0.07	<2	3	39	<20	
CC78128	<1	0.04	10	0.71	651	1	0.03	38	850	9	0.08	<2	3	40	<20	
CC78129	<1	0.04	10	0.54	471	1	0.04	26	760	7	0.09	<2	3	38	<20	
CC78130	<1	0.04	10	0.50	722	1	0.04	21	1150	8	0.15	<2	2	51	<20	



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CERTIFICATE OF ANALYSIS VA10096671

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC101923		NSS	NSS	NSS	NSS	NSS	NSS	0.0076	
CC101924		NSS	NSS	NSS	NSS	NSS	NSS	0.0103	
CC101925		0.08	<10	<10	71	<10	49	NSS	
CC101926		0.07	<10	<10	71	<10	51	0.0046	
CC101927		0.08	<10	<10	65	<10	66	0.0040	
CC101928		0.09	<10	<10	74	<10	62	0.0030	
CC101929		0.10	<10	<10	67	<10	54	0.0031	
CC101930		0.09	<10	<10	62	<10	54	0.0026	
CC101661		0.08	<10	<10	70	<10	60	>0.1000	NSS
CC101662		0.04	<10	<10	46	<10	43	NSS	
CC78101		0.06	<10	<10	71	<10	77	0.0054	
CC78102		0.06	<10	<10	62	<10	73	0.0033	
CC78103		0.07	<10	<10	65	<10	75	0.0046	
CC78104		0.07	<10	<10	75	<10	64	0.0016	
CC78105		0.06	<10	<10	61	<10	60	0.0019	
CC78106		0.05	<10	<10	33	<10	31	0.0014	
CC78107		0.06	<10	<10	52	<10	44	0.0019	
CC78108		0.07	<10	<10	59	<10	46	0.0017	
CC78109		0.07	<10	<10	68	<10	72	0.0030	
CC78110		0.07	<10	<10	65	<10	57	0.0023	
CC78111		0.05	<10	<10	58	<10	77	0.0017	
CC78112		0.07	<10	<10	73	<10	61	0.0013	
CC78113		0.07	<10	<10	84	<10	62	0.0050	
CC78114		0.07	<10	<10	76	<10	69	0.0040	
CC78115		NSS	NSS	NSS	NSS	NSS	NSS	0.0046	
CC78116		0.06	<10	<10	76	<10	104	0.0031	
CC78117		0.06	<10	<10	70	<10	76	0.0013	
CC78118		0.07	<10	<10	71	<10	70	0.0047	
CC78119		0.04	<10	<10	57	<10	72	0.0027	
CC78120		0.09	<10	<10	82	<10	70	0.0062	
CC78121		0.07	<10	<10	65	<10	68	0.0016	
CC78122		0.06	<10	<10	68	<10	69	0.0033	
CC78123		0.08	<10	<10	72	<10	76	0.0124	
CC78124		0.07	<10	<10	81	<10	67	0.0054	
CC78125		0.07	<10	<10	69	<10	62	0.0466	
CC78126		0.07	<10	<10	52	<10	42	0.0013	
CC78127		0.08	<10	<10	61	<10	62	0.0014	
CC78128		0.07	<10	<10	79	<10	74	0.0022	
CC78129		0.07	<10	<10	71	<10	73	0.0079	
CC78130		0.05	<10	<10	58	<10	60	0.0030	



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC78131		0.14	<0.2	1.88	12	<10	180	0.5	3	0.72	<0.5	14	45	25	3.24	10
CC78132		0.14	<0.2	1.26	7	<10	110	<0.5	<2	0.41	<0.5	7	27	20	2.60	<10
CC84885		0.10	<0.2	1.77	82	<10	190	0.6	<2	0.58	<0.5	17	38	68	3.24	10
CC84886		0.08	<0.2	1.98	15	<10	170	0.5	2	0.50	<0.5	14	39	32	3.65	10
CC84887		0.04	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC84888		0.10	<0.2	3.81	89	<10	410	0.8	3	0.78	<0.5	32	437	57	4.41	10
CC84889		0.08	<0.2	2.90	150	<10	260	0.6	2	0.65	<0.5	18	190	60	3.63	10
CC84946		0.08	<0.2	1.41	17	<10	100	<0.5	3	0.60	<0.5	15	39	25	3.05	<10
CC84947		0.12	<0.2	3.10	52	<10	210	0.7	2	0.60	<0.5	22	195	39	3.72	10
CC84948		0.08	<0.2	2.38	39	<10	190	0.6	<2	0.58	<0.5	17	78	38	3.30	10
CC84949		0.14	<0.2	2.68	50	<10	140	0.8	2	0.60	<0.5	18	69	50	3.20	10



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Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC78131		<1	0.05	10	0.74	598	1	0.04	29	930	7	0.09	<2	3	42	<20
CC78132		<1	0.03	10	0.48	298	1	0.04	18	550	6	0.07	<2	2	31	<20
CC84885		<1	0.09	10	0.64	776	1	0.04	39	690	6	0.07	3	4	50	<20
CC84886		<1	0.07	10	0.68	541	1	0.03	34	680	8	0.07	<2	3	37	<20
CC84887		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
CC84888		1	0.39	10	3.43	451	1	0.05	303	390	2	0.04	3	8	92	<20
CC84889		<1	0.06	10	1.66	550	1	0.04	122	580	6	0.05	3	5	103	<20
CC84946		<1	0.05	10	0.58	631	1	0.04	25	710	7	0.08	<2	3	39	<20
CC84947		1	0.13	10	2.21	429	1	0.03	140	550	4	0.04	5	7	49	<20
CC84948		1	0.06	10	1.10	545	1	0.03	62	640	5	0.07	<2	4	45	<20
CC84949		<1	0.07	10	1.08	318	1	0.04	64	700	7	0.04	<2	7	52	<20



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CERTIFICATE OF ANALYSIS	VA10096671
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Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC78131		0.08	<10	<10	78	<10	69	0.0018	
CC78132		0.07	<10	<10	60	<10	56	0.0015	
CC84885		0.08	<10	<10	78	<10	56	0.0055	
CC84886		0.08	<10	<10	82	<10	74	0.0017	
CC84887		NSS	NSS	NSS	NSS	NSS	NSS	0.0041	
CC84888		0.19	<10	<10	138	<10	59	0.0074	
CC84889		0.10	<10	<10	108	<10	53	0.0038	
CC84946		0.07	<10	<10	70	<10	72	0.0030	
CC84947		0.13	<10	<10	106	<10	57	0.0057	
CC84948		0.10	<10	<10	85	<10	73	0.0046	
CC84949		0.13	<10	<10	88	<10	57	0.0056	



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Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.



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CERTIFICATE VA10096670

Project: WHITE RIVER

P.O. No.:

This report is for 133 Rock samples submitted to our lab in Vancouver, BC, Canada on 19-JUL- 2010.

The following have access to data associated with this certificate:

JOAN MARIACHER

BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
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- AA23	Au 30g FA- AA finish	AAS
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Cu- OG46	Ore Grade Cu - Aqua Regia	VARIABLE

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: ALS CHEMEX

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 VA10096670

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au ppm	Au- GRA21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
I068107		0.34	<0.005		0.2	6.99	5	<10	30	<0.5	<2	4.13	<0.5	10	265	106
I068108		0.08	0.099		0.2	1.09	305	60	<10	<0.5	2	0.08	<0.5	119	937	59
I068109		0.44	0.018		0.2	3.63	<2	<10	40	<0.5	<2	0.08	<0.5	33	819	198
I068110		0.36	<0.005		<0.2	2.80	4	<10	40	<0.5	2	1.74	<0.5	11	30	29
I068111		0.46	<0.005		0.3	1.08	61	<10	<10	<0.5	<2	1.06	<0.5	19	39	92
I068112		0.22	<0.005		0.3	7.03	8	<10	250	<0.5	4	2.94	<0.5	23	236	248
I068113		0.76	<0.005		0.2	2.42	14	<10	<10	<0.5	<2	1.54	<0.5	10	11	171
I068114		0.30	0.005		0.2	9.84	61	<10	<10	<0.5	4	6.43	<0.5	22	243	110
I068115		0.34	<0.005		0.4	2.85	15	<10	20	<0.5	3	1.52	<0.5	60	345	480
I068116		0.70	0.007		0.2	1.50	17	<10	30	<0.5	<2	1.43	<0.5	33	75	242
I068119		1.12	<0.005		0.2	3.01	2	<10	150	<0.5	<2	1.41	<0.5	28	114	140
I068120		0.32	<0.005		<0.2	0.25	16	<10	30	<0.5	<2	7.2	<0.5	6	29	21
I068122		0.16	<0.005		<0.2	7.13	<2	<10	40	<0.5	<2	4.80	<0.5	15	27	186
I068123		1.20	0.021		1.4	2.99	3	<10	10	<0.5	<2	3.08	<0.5	4	60	611
I068124		0.40	<0.005		<0.2	0.67	65	<10	90	0.7	<2	15.7	<0.5	12	60	63
I068125		0.22	<0.005		<0.2	0.22	7	<10	70	<0.5	<2	18.1	<0.5	2	27	16
I068126		0.58	<0.005		<0.2	2.44	4	<10	30	<0.5	<2	2.22	<0.5	17	47	74
I068128		0.20	<0.005		<0.2	4.23	40	<10	40	<0.5	<2	4.26	<0.5	7	26	26
I068129		0.30	<0.005		<0.2	2.85	3	<10	100	<0.5	<2	2.49	<0.5	14	46	40
I068132		0.88	<0.005		<0.2	0.81	12	<10	40	<0.5	<2	0.29	<0.5	7	16	17
I068133		0.78	0.009		<0.2	4.36	40	<10	180	1.0	<2	1.85	<0.5	25	262	108
I068134		0.46	0.015		0.2	2.78	13	<10	80	<0.5	<2	1.45	<0.5	5	121	146
I068135		0.62	0.276		0.6	2.44	4	<10	20	0.5	2	1.74	<0.5	12	13	422
I068136		0.72	<0.005		<0.2	1.11	8	<10	50	<0.5	<2	0.65	<0.5	3	22	13
I068137		0.58	0.014		0.2	0.35	5	<10	40	<0.5	<2	0.88	<0.5	9	27	76
I068138		1.58	0.056		6.6	0.28	1165	<10	270	<0.5	<2	0.06	<0.5	<1	6	268
I068139		0.36	0.038		5.5	0.26	1170	<10	240	<0.5	<2	0.06	<0.5	<1	5	272
I068140		0.54	0.072		20.9	0.29	3050	<10	150	<0.5	2	0.09	<0.5	<1	6	359
I068141		0.48	0.157		2.4	0.50	5840	<10	60	<0.5	<2	0.08	<0.5	66	6	913
I068142		0.22	0.012		0.7	0.52	443	<10	70	0.5	<2	0.06	<0.5	1	22	417
I068051		0.76	<0.005		0.8	2.27	97	<10	70	<0.5	<2	1.85	<0.5	10	37	67
I068052		0.54	0.005		0.2	1.63	155	<10	60	<0.5	<2	0.23	<0.5	52	947	89
I068053		0.62	<0.005		<0.2	1.24	8	<10	60	<0.5	<2	1.59	<0.5	7	37	8
I068054		0.60	<0.005		<0.2	2.01	10	<10	1040	0.6	<2	0.13	<0.5	18	14	199
I068055		0.52	0.020		<0.2	3.17	29	<10	1190	<0.5	<2	0.35	<0.5	50	266	74
I068056		1.02	<0.005		<0.2	0.89	5	<10	460	<0.5	<2	0.09	<0.5	6	32	28
I068057		0.64	<0.005		<0.2	1.50	6	<10	2420	0.5	<2	0.07	<0.5	9	34	21
I068058		0.48	0.006		0.2	2.90	24	<10	100	<0.5	<2	1.90	<0.5	15	101	76
I068059		0.24	0.015		<0.2	1.54	3	<10	140	<0.5	<2	0.84	<0.5	6	16	50
I068060		0.22	<0.005		<0.2	1.23	2	<10	60	<0.5	<2	1.12	<0.5	5	40	7



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Sample Description	Method Analyte Units LOR	ME- ICP41 Fe %	ME- ICP41 Ga ppm	ME- ICP41 Hg ppm	ME- ICP41 K %	ME- ICP41 La ppm	ME- ICP41 Mg %	ME- ICP41 Mn ppm	ME- ICP41 Mo ppm	ME- ICP41 Na %	ME- ICP41 Ni ppm	ME- ICP41 P ppm	ME- ICP41 Pb ppm	ME- ICP41 S %	ME- ICP41 Sb ppm	ME- ICP41 Sc ppm
I068107		1.17	10	1	0.08	<10	1.32	182	<1	0.75	52	50	2	0.07	<2	4
I068108		7.41	<10	<1	0.01	10	17.60	1210	<1	0.01	2220	60	<2	0.19	<2	8
I068109		3.83	10	<1	<0.01	<10	7.13	152	<1	<0.01	413	60	<2	0.15	<2	2
I068110		3.02	10	<1	0.07	<10	1.08	389	<1	0.18	17	600	3	0.59	<2	6
I068111		2.53	<10	<1	0.03	<10	0.65	254	<1	0.11	38	920	<2	0.19	<2	7
I068112		5.59	20	1	0.51	<10	2.21	262	<1	0.72	67	1060	7	0.78	<2	17
I068113		2.27	10	<1	0.08	<10	0.22	169	<1	0.30	16	90	3	0.30	<2	1
I068114		1.04	10	1	0.03	<10	0.59	130	<1	0.72	82	80	5	0.25	<2	5
I068115		3.12	<10	<1	0.15	<10	3.11	198	<1	0.23	819	60	<2	0.86	<2	3
I068116		5.28	10	<1	0.05	<10	0.92	413	<1	0.21	35	540	<2	0.45	3	10
I068119		2.97	10	<1	0.11	<10	1.59	228	<1	0.42	51	520	7	0.72	<2	5
I068120		1.08	<10	1	0.05	<10	1.88	305	<1	0.02	31	20	<2	0.04	<2	2
I068122		1.33	20	1	0.15	<10	0.46	90	<1	0.52	29	40	2	0.56	<2	2
I068123		5.12	10	<1	0.01	<10	0.49	92	<1	0.05	12	70	7	0.24	2	6
I068124		3.57	<10	<1	0.03	<10	6.35	687	<1	0.02	26	20	<2	0.08	5	14
I068125		4.13	<10	<1	0.01	<10	7.14	950	<1	0.02	9	10	<2	<0.01	<2	5
I068126		1.61	<10	<1	0.03	<10	1.12	206	<1	0.28	50	40	<2	0.10	<2	7
I068128		1.22	10	<1	0.03	<10	0.71	125	1	0.45	41	720	8	0.17	4	7
I068129		3.03	10	<1	0.16	<10	1.09	441	<1	0.47	24	700	3	0.03	2	9
I068132		1.46	<10	<1	0.18	10	0.32	111	<1	0.06	8	190	2	0.15	<2	2
I068133		5.62	10	<1	0.57	<10	1.93	370	<1	0.35	43	1540	<2	1.33	<2	26
I068134		6.62	10	<1	0.14	<10	0.99	181	<1	0.14	6	470	3	0.15	<2	2
I068135		5.24	10	<1	0.04	20	0.07	51	2	0.27	12	370	5	2.68	<2	1
I068136		1.22	<10	<1	0.21	20	0.45	115	<1	0.09	7	1460	6	0.03	<2	3
I068137		1.85	<10	<1	0.04	<10	0.26	65	3	0.10	44	1470	<2	0.56	<2	2
I068138		11.10	<10	<1	0.31	<10	0.03	49	1	0.02	<1	170	15	0.47	17	1
I068139		11.70	<10	<1	0.29	<10	0.03	42	1	0.02	<1	170	17	0.43	12	1
I068140		17.5	<10	<1	0.87	<10	0.05	64	5	0.06	<1	420	22	1.67	28	1
I068141		26.1	10	<1	0.06	<10	0.03	115	<1	0.01	20	400	<2	0.05	30	1
I068142		25.1	<10	<1	0.21	<10	0.02	440	<1	0.01	<1	210	<2	0.10	4	9
I068051		4.04	10	<1	0.06	<10	0.34	167	<1	0.36	16	690	<2	0.07	2	4
I068052		4.30	<10	<1	0.01	<10	4.96	219	<1	0.02	1130	280	2	0.01	4	2
I068053		3.16	<10	<1	0.02	<10	0.62	196	<1	0.20	15	870	<2	0.01	<2	7
I068054		4.60	10	<1	0.77	10	1.62	1635	<1	0.08	10	510	2	0.02	<2	15
I068055		5.38	10	<1	2.53	<10	2.79	2240	<1	0.12	86	690	3	0.02	2	25
I068056		1.45	10	<1	0.32	10	0.51	300	<1	0.05	17	160	4	0.01	<2	5
I068057		1.76	<10	<1	0.53	10	0.70	797	<1	0.03	29	210	2	0.01	<2	6
I068058		2.73	10	<1	0.13	<10	0.96	274	<1	0.20	36	540	2	0.27	<2	10
I068059		1.72	10	<1	0.09	10	0.68	150	1	0.19	19	760	2	0.02	<2	4
I068060		1.15	<10	<1	0.12	<10	0.72	183	<1	0.17	15	690	3	0.01	<2	3



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Ag- OG46	Cu- OG46
		Sr	Th	Ti	Tl	U	V	W	Zn	Ag	Cu
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
		1	20	0.01	10	10	1	10	2	1	0.001
I068107		81	<20	0.04	<10	<10	21	<10	16		
I068108		3	<20	0.02	<10	<10	28	<10	70		
I068109		4	<20	0.02	<10	<10	28	<10	25		
I068110		61	<20	0.17	<10	<10	87	<10	46		
I068111		8	<20	0.27	<10	<10	87	<10	25		
I068112		93	<20	0.36	<10	<10	304	<10	51		
I068113		101	<20	0.06	<10	<10	73	<10	17		
I068114		77	<20	0.04	<10	<10	20	<10	17		
I068115		12	<20	0.04	<10	<10	26	<10	20		
I068116		11	<20	0.29	<10	<10	91	<10	26		
I068119		37	<20	0.19	<10	<10	88	<10	162		
I068120		233	<20	<0.01	<10	<10	10	<10	5		
I068122		133	<20	0.03	<10	<10	16	<10	10		
I068123		6	<20	0.13	<10	<10	43	<10	11		
I068124		522	<20	<0.01	<10	<10	60	<10	15		
I068125		614	<20	<0.01	<10	<10	28	<10	4		
I068126		43	<20	0.08	<10	<10	37	<10	10		
I068128		251	<20	0.53	<10	<10	70	<10	13		
I068129		74	<20	0.26	<10	<10	112	<10	34		
I068132		10	<20	0.03	<10	<10	12	<10	7		
I068133		107	<20	0.35	<10	<10	120	<10	44		
I068134		66	<20	0.26	<10	<10	88	<10	17		
I068135		99	<20	0.13	<10	<10	12	<10	3		
I068136		24	<20	0.02	<10	<10	17	<10	21		
I068137		13	<20	0.28	<10	<10	31	<10	2		
I068138		10	<20	0.01	<10	<10	8	40	4		
I068139		10	<20	0.01	<10	<10	8	50	<2		
I068140		31	<20	0.02	<10	<10	13	180	9		
I068141		8	<20	<0.01	<10	10	11	10	12		
I068142		6	<20	<0.01	<10	10	59	<10	26		
I068051		60	<20	0.35	<10	<10	149	10	8		
I068052		6	<20	0.03	<10	<10	52	<10	38		
I068053		31	<20	0.45	<10	<10	160	<10	11		
I068054		6	<20	0.20	<10	<10	194	<10	73		
I068055		8	<20	0.68	<10	<10	208	<10	142		
I068056		7	<20	0.07	<10	<10	27	<10	22		
I068057		21	<20	0.09	<10	<10	26	<10	38		
I068058		105	<20	0.20	<10	<10	94	<10	19		
I068059		45	<20	0.13	<10	<10	66	<10	15		
I068060		42	<20	0.06	<10	<10	34	<10	14		



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au ppm	Au- GRA21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
I068061		0.66	0.022		2.2	3.37	470	<10	120	<0.5	<2	2.33	0.6	42	64	687
I068062		0.48	0.005		0.2	4.01	76	<10	50	<0.5	<2	1.18	<0.5	13	270	48
I068063		0.46	0.008		0.3	2.40	80	<10	40	<0.5	<2	1.28	<0.5	16	141	53
I068064		0.80	0.008		0.2	2.44	51	<10	30	<0.5	<2	2.32	<0.5	9	110	32
I068066		0.26	0.005		0.2	6.60	36	<10	30	1.5	<2	6.64	<0.5	39	59	239
I068067		0.30	<0.005		<0.2	0.19	107	<10	110	<0.5	<2	0.06	<0.5	2	13	62
I068068		0.64	<0.005		0.2	1.48	41	<10	180	<0.5	<2	1.28	<0.5	24	72	39
I068069		0.40	<0.005		0.2	2.11	8	<10	40	<0.5	<2	1.94	<0.5	5	34	50
I068070		0.52	0.045		1.0	0.77	6900	<10	140	<0.5	8	0.72	<0.5	169	40	85
I068071		0.52	<0.005		2.1	2.17	27	<10	20	<0.5	2	1.81	<0.5	8	66	254
I068075		0.26	<0.005		0.2	1.91	119	<10	10	<0.5	<2	9.3	<0.5	21	125	53
I068076		0.20	0.015		6.0	4.17	523	<10	<10	<0.5	8	0.21	5.8	119	479	>10000
I068077		0.04	0.388		>100	0.89	2040	<10	<10	<0.5	256	0.07	8.0	322	18	>10000
I068078		0.28	0.018		4.2	3.52	266	<10	10	<0.5	<2	0.48	<0.5	33	283	1410
I068079		0.16	0.025		2.5	4.64	279	<10	<10	<0.5	<2	1.64	1.7	7	571	1025
I068080		0.30	0.218		5.8	2.32	5020	<10	<10	<0.5	76	0.19	32.2	265	31	7770
I068081		0.86	0.010		2.7	3.31	73	<10	<10	<0.5	<2	2.16	0.5	23	205	878
I068082		0.54	0.139		16.3	2.35	2260	20	<10	<0.5	11	0.16	23.4	68	218	4070
I068083		0.50	0.007		1.4	2.51	280	<10	<10	<0.5	<2	2.29	0.7	136	144	676
I068084		0.12	0.160		>100	2.17	4640	<10	<10	<0.5	20	0.26	24.5	231	108	>10000
I068085		0.22	>10.0	19.30	16.9	1.17	4340	<10	10	<0.5	221	0.10	<0.5	15	112	2140
I068086		0.14	0.213		3.2	1.36	671	<10	<10	<0.5	3	0.11	<0.5	10	369	3750
I068087		0.04	2.90		21.6	1.34	>10000	<10	40	<0.5	141	0.13	5.3	3	368	937
I068088		0.60	0.029		2.4	3.76	207	<10	10	<0.5	<2	0.79	10.6	195	622	>10000
I068089		0.06	0.247		>100	1.38	>10000	<10	20	<0.5	165	0.16	57.7	74	35	>10000
I068090		0.12	2.05		>100	1.23	>10000	<10	<10	<0.5	351	0.14	53.2	412	76	>10000
I068091		0.08	0.114		>100	4.81	882	<10	<10	<0.5	272	1.03	54.8	149	11	>10000
I068093		0.26	0.505		>100	1.20	9970	<10	<10	<0.5	394	0.09	35.0	276	43	>10000
I068094		0.14	0.184		>100	1.00	9810	<10	10	<0.5	154	0.10	40.6	73	20	9160
I068095		0.26	<0.005		5.1	0.36	119	<10	<10	<0.5	<2	17.1	<0.5	7	9	106
I068096		0.12	0.024		34.0	4.58	92	<10	<10	<0.5	22	16.7	14.7	21	253	7500
I068098		0.28	0.005		3.6	1.87	129	<10	10	1.0	<2	5.03	<0.5	22	45	78
I068151		0.82	<0.005		0.8	0.99	13	<10	470	<0.5	<2	0.10	<0.5	6	28	74
I068152		0.62	<0.005		0.5	0.81	4	<10	1770	<0.5	<2	0.31	<0.5	6	26	87
I068153		0.68	<0.005		3.1	1.07	36	<10	510	<0.5	2	0.08	<0.5	5	29	124
I068154		0.78	<0.005		1.0	1.14	100	<10	10	<0.5	<2	13.0	<0.5	42	117	52
I068155		0.66	0.007		0.4	0.43	334	<10	120	<0.5	<2	0.06	<0.5	7	20	203
I068156		0.60	<0.005		0.9	1.87	262	<10	60	<0.5	<2	1.89	<0.5	21	34	166
I068157		0.84	<0.005		0.3	2.05	17	<10	30	<0.5	<2	1.58	<0.5	24	73	120
I068158		0.76	0.005		0.8	0.66	85	<10	20	0.7	<2	11.0	<0.5	10	43	24



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Sample Description	Method Analyte Units LOR	ME- ICP41 Fe %	ME- ICP41 Ga ppm	ME- ICP41 Hg ppm	ME- ICP41 K %	ME- ICP41 La ppm	ME- ICP41 Mg %	ME- ICP41 Mn ppm	ME- ICP41 Mo ppm	ME- ICP41 Na %	ME- ICP41 Ni ppm	ME- ICP41 P ppm	ME- ICP41 Pb ppm	ME- ICP41 S %	ME- ICP41 Sb ppm	ME- ICP41 Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
I068061		3.63	10	<1	0.18	<10	1.97	250	21	0.16	80	1970	3	0.75	2	10
I068062		3.93	10	<1	0.12	<10	3.39	346	1	0.10	178	140	2	0.01	2	4
I068063		2.23	<10	<1	0.14	<10	1.58	219	1	0.12	118	850	3	0.01	<2	4
I068064		2.11	<10	1	0.11	<10	1.55	228	1	0.05	95	430	2	0.01	3	5
I068066		4.96	20	1	0.02	<10	2.38	371	2	0.02	85	4240	8	0.02	3	3
I068067		1.61	<10	<1	0.03	<10	0.05	38	<1	<0.01	5	50	4	<0.01	3	<1
I068068		2.85	10	<1	0.21	10	0.83	226	3	0.20	56	1270	4	0.95	3	4
I068069		1.78	<10	<1	0.12	<10	0.63	163	<1	0.14	28	580	<2	0.18	<2	5
I068070		2.43	<10	<1	0.05	<10	0.31	48	1	0.13	46	680	5	0.61	11	4
I068071		3.08	10	<1	0.08	<10	0.72	179	<1	0.31	17	640	3	0.65	2	10
I068075		1.98	<10	1	0.07	<10	0.60	530	<1	<0.01	86	30	<2	0.02	11	11
I068076		7.13	10	1	0.21	<10	4.63	522	<1	0.02	127	100	3	1.18	4	26
I068077		49.9	<10	1	0.05	<10	0.12	<5	7	0.05	303	50	112	0.43	10	2
I068078		7.80	10	<1	0.07	<10	1.30	106	<1	0.01	85	30	<2	0.01	4	17
I068079		8.74	10	<1	0.08	<10	3.08	407	<1	0.01	58	50	<2	0.03	6	8
I068080		8.94	10	<1	0.02	<10	1.11	106	4	<0.01	96	210	55	0.01	7	3
I068081		4.01	10	<1	0.14	<10	1.53	204	<1	0.30	165	160	<2	1.00	5	5
I068082		5.83	10	<1	0.02	<10	1.99	195	1	0.01	40	180	6	0.01	2	7
I068083		5.28	<10	<1	0.05	<10	0.93	150	<1	0.13	158	70	2	1.75	2	4
I068084		41.3	10	1	0.19	<10	0.21	12	36	<0.01	99	290	<2	0.45	19	5
I068085		39.4	20	<1	0.35	<10	0.03	<5	2	0.42	9	1010	<2	2.15	8	4
I068086		24.4	20	<1	0.11	<10	0.12	<5	<1	0.02	12	30	<2	0.28	4	9
I068087		28.4	60	<1	2.05	80	0.03	<5	<1	2.30	<1	290	27	>10.0	18	12
I068088		5.03	10	1	0.23	<10	3.17	593	<1	0.10	179	100	<2	0.03	2	5
I068089		30.0	<10	1	0.89	<10	0.10	10	6	0.45	20	50	105	2.92	36	3
I068090		42.2	10	1	0.51	<10	0.12	<5	29	0.14	153	60	206	1.44	33	6
I068091		25.1	20	<1	0.04	<10	4.93	880	<1	0.01	300	50	234	4.67	13	14
I068093		38.1	<10	1	0.55	<10	0.04	<5	57	0.16	79	50	207	1.57	17	4
I068094		23.4	<10	1	0.28	<10	0.11	28	5	0.22	21	40	171	1.23	25	4
I068095		1.92	<10	<1	0.01	<10	0.65	710	<1	<0.01	32	20	<2	0.03	3	2
I068096		3.92	10	1	0.01	<10	2.29	746	<1	<0.01	67	50	20	0.68	6	9
I068098		5.41	<10	1	0.17	20	1.59	524	1	<0.01	15	1100	<2	0.08	3	23
I068151		1.18	<10	<1	0.25	10	0.45	470	<1	<0.01	17	160	2	<0.01	<2	4
I068152		0.96	<10	<1	0.25	<10	0.40	589	<1	0.03	14	130	2	<0.01	<2	3
I068153		1.47	<10	<1	0.26	10	0.41	351	<1	<0.01	26	70	2	<0.01	<2	4
I068154		2.99	<10	<1	0.03	<10	2.10	531	<1	<0.01	134	50	<2	0.06	13	18
I068155		4.87	<10	<1	0.09	<10	0.05	37	4	0.03	9	160	4	0.16	34	2
I068156		3.01	10	<1	0.06	<10	0.98	219	<1	0.15	22	810	<2	0.06	4	9
I068157		6.47	10	<1	0.05	<10	0.76	310	<1	0.25	32	240	<2	0.13	<2	7
I068158		4.23	<10	<1	0.14	10	3.45	1050	<1	0.01	18	380	<2	0.02	5	11



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Ag- OG46	Cu- OG46
		Sr	Th	Ti	Tl	U	V	W	Zn	Ag	Cu
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
		1	20	0.01	10	10	1	10	2	1	0.001
I068061		70	<20	0.23	<10	<10	148	<10	31		
I068062		37	<20	0.09	<10	<10	64	<10	34		
I068063		34	<20	0.15	<10	<10	49	<10	19		
I068064		41	<20	0.14	<10	<10	61	<10	21		
I068066		23	<20	0.10	<10	<10	79	<10	55		
I068067		2	<20	0.01	<10	<10	6	<10	3		
I068068		87	<20	0.28	<10	<10	60	<10	21		
I068069		44	<20	0.19	<10	<10	49	<10	7		
I068070		24	<20	0.25	<10	<10	40	<10	4		
I068071		43	<20	0.37	<10	<10	116	<10	10		
I068075		46	<20	<0.01	<10	<10	38	<10	17		
I068076		5	<20	0.09	<10	<10	122	<10	260		8.52
I068077		9	<20	<0.01	<10	<10	13	<10	645	927	2.40
I068078		15	<20	0.08	<10	<10	100	<10	29		
I068079		12	<20	0.09	<10	<10	75	<10	141		
I068080		6	<20	0.02	<10	<10	52	<10	381		
I068081		48	<20	0.10	<10	<10	60	<10	28		
I068082		9	<20	0.04	<10	<10	67	<10	223		
I068083		32	<20	0.06	<10	<10	32	<10	17		
I068084		29	<20	0.02	<10	<10	42	<10	1470	207	1.525
I068085		45	<20	0.06	<10	<10	113	<10	303		
I068086		10	<20	0.02	<10	<10	96	<10	40		
I068087		258	<20	0.01	<10	10	87	<10	2		
I068088		17	<20	0.16	<10	<10	93	<10	441		1.215
I068089		66	<20	0.05	<10	<10	23	10	329	608	1.125
I068090		56	<20	0.02	<10	<10	45	10	898	969	2.05
I068091		28	<20	0.01	<10	<10	148	<10	1300	302	5.70
I068093		73	<20	0.02	<10	<10	26	90	675	1310	2.02
I068094		33	<20	0.03	<10	<10	18	30	329	361	
I068095		62	<20	<0.01	<10	<10	9	<10	17		
I068096		205	<20	0.05	<10	<10	62	<10	270		
I068098		55	<20	<0.01	<10	<10	87	<10	46		
I068151		5	<20	0.04	<10	<10	20	<10	27		
I068152		17	<20	0.05	<10	<10	16	<10	34		
I068153		5	<20	0.06	<10	<10	37	<10	30		
I068154		93	<20	<0.01	<10	<10	59	<10	52		
I068155		10	<20	0.01	<10	<10	42	<10	6		
I068156		21	<20	0.42	<10	<10	112	<10	16		
I068157		28	<20	0.28	<10	<10	861	<10	26		
I068158		265	<20	<0.01	<10	<10	42	<10	13		



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CERTIFICATE OF ANALYSIS VA10096670

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au ppm	Au- GRA21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
I068159		0.72	0.006		0.3	2.07	76	<10	<10	<0.5	<2	1.84	<0.5	13	15	89
I068160		0.54	0.008		0.2	0.60	135	<10	20	<0.5	<2	5.62	<0.5	22	73	76
I068161		0.70	0.005		0.5	2.08	4	<10	<10	<0.5	<2	1.00	<0.5	22	52	125
I068162		0.62	0.007		0.2	1.45	3	<10	<10	<0.5	2	0.88	<0.5	27	45	213
I068163		0.74	<0.005		0.2	0.40	21	<10	50	0.5	<2	14.1	<0.5	12	16	29
I068164		1.32	<0.005		0.4	0.41	33	<10	50	0.6	<2	13.0	<0.5	17	79	28
I068165		0.62	0.008		0.3	3.37	7	<10	70	<0.5	<2	2.39	<0.5	15	64	135
I068166		0.94	0.015		0.2	2.44	112	<10	70	<0.5	2	1.86	<0.5	23	127	105
I068167		0.66	0.006		<0.2	1.86	172	<10	110	0.5	<2	0.22	<0.5	8	41	40
G092458		0.32	<0.005		<0.2	1.05	122	<10	560	<0.5	2	0.16	<0.5	4	17	55
G092459		0.36	0.133		0.2	0.97	155	<10	120	<0.5	9	0.17	<0.5	5	20	75
G092460		0.18	0.005		0.4	0.98	61	<10	180	<0.5	2	3.98	<0.5	6	89	10
G092461		0.34	0.014		0.5	0.52	692	<10	170	<0.5	<2	0.05	<0.5	<1	14	342
G092462		0.50	<0.005		0.5	3.37	13	<10	970	<0.5	<2	0.26	<0.5	8	138	261
G092463		0.34	0.007		0.5	2.83	64	<10	420	0.5	<2	0.32	<0.5	11	59	92
G092464		0.70	<0.005		0.5	5.30	8	<10	540	0.7	<2	2.34	<0.5	12	42	121
G092465		0.48	0.012		0.4	4.77	<2	<10	210	0.5	2	1.88	<0.5	10	7	155
G092466		0.16	0.015		1.6	1.39	414	<10	80	<0.5	4	0.24	<0.5	5	72	164
G092467		0.44	<0.005		0.2	2.08	16	<10	50	<0.5	<2	1.14	<0.5	23	76	129
G092468		0.90	<0.005		<0.2	0.95	13	<10	140	<0.5	<2	0.07	<0.5	14	16	151
G092469		0.38	0.006		0.5	1.48	381	<10	230	1.1	3	5.97	<0.5	27	239	122
G092470		0.22	0.017		0.2	3.22	30	<10	150	0.9	2	1.69	<0.5	10	6	71
G092471		0.30	0.051		0.3	0.90	30	<10	800	<0.5	4	0.31	<0.5	6	18	139
G092472		0.80	0.028		0.4	1.95	1080	<10	140	<0.5	2	0.62	<0.5	42	4	290
G092473		0.14	<0.005		<0.2	1.85	25	<10	250	<0.5	2	0.09	<0.5	11	28	76
G092474		0.60	<0.005		<0.2	0.37	15	<10	190	<0.5	<2	0.03	<0.5	2	12	68
G092475		0.18	<0.005		0.3	0.51	123	<10	470	<0.5	2	0.03	<0.5	3	5	248
G092476		0.66	<0.005		0.8	1.65	85	<10	280	<0.5	2	0.05	<0.5	36	13	255
G092477		0.40	<0.005		<0.2	0.98	24	<10	30	<0.5	2	1.20	<0.5	3	92	55
G092478		0.48	<0.005		0.2	2.78	93	<10	60	<0.5	2	1.09	<0.5	17	234	85
G092479		0.52	0.005		1.0	1.06	110	<10	60	<0.5	2	0.38	<0.5	3	25	145
G092480		0.42	0.248		0.6	1.32	168	<10	580	<0.5	5	0.85	<0.5	7	45	394
G092481		0.42	<0.005		0.2	4.14	31	<10	30	<0.5	<2	2.43	<0.5	74	138	50
G092482		0.58	<0.005		2.8	2.93	56	<10	<10	<0.5	<2	2.13	<0.5	26	90	528
G092483		0.30	<0.005		0.3	2.57	56	<10	70	1.0	<2	4.39	<0.5	26	97	34
G092484		0.32	0.286		1.4	0.63	1730	<10	20	0.6	<2	5.23	<0.5	8	25	215
G092485		0.62	0.008		1.0	4.38	135	<10	30	<0.5	4	0.80	<0.5	81	329	138
G092486		0.24	<0.005		<0.2	2.28	5	<10	<10	<0.5	3	1.21	<0.5	19	22	90
I068168		0.60	<0.005		<0.2	1.33	6	<10	120	<0.5	3	0.15	<0.5	5	30	11
I068169		0.42	<0.005		<0.2	0.72	13	<10	1710	<0.5	3	0.09	<0.5	7	17	17



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CERTIFICATE OF ANALYSIS VA10096670

Sample Description	Method Analyte Units LOR	ME- ICP41 Fe %	ME- ICP41 Ga ppm	ME- ICP41 Hg ppm	ME- ICP41 K %	ME- ICP41 La ppm	ME- ICP41 Mg %	ME- ICP41 Mn ppm	ME- ICP41 Mo ppm	ME- ICP41 Na %	ME- ICP41 Ni ppm	ME- ICP41 P ppm	ME- ICP41 Pb ppm	ME- ICP41 S %	ME- ICP41 Sb ppm	ME- ICP41 Sc ppm
I068159		1.25	10	<1	0.02	<10	0.06	130	<1	0.28	13	1000	2	0.35	<2	3
I068160		2.55	<10	<1	0.05	<10	2.75	399	<1	0.01	190	200	<2	0.03	40	7
I068161		3.30	10	<1	0.14	<10	1.30	149	<1	0.21	27	540	<2	0.61	<2	4
I068162		2.73	<10	<1	0.04	<10	0.90	193	<1	0.19	42	730	<2	0.63	<2	4
I068163		4.63	<10	<1	0.02	<10	5.72	1280	<1	0.02	14	330	<2	0.17	<2	12
I068164		3.30	<10	<1	0.06	<10	5.38	713	<1	0.02	32	20	<2	0.01	<2	20
I068165		2.37	10	<1	0.10	<10	1.04	315	<1	0.43	27	440	<2	<0.01	<2	6
I068166		3.54	10	<1	0.07	10	0.83	167	<1	0.18	76	1330	2	1.16	<2	3
I068167		3.32	10	<1	0.56	20	0.93	175	<1	0.02	13	320	<2	0.12	<2	5
G092458		2.96	<10	<1	0.21	<10	0.31	224	<1	0.02	7	730	<2	0.09	<2	4
G092459		2.06	<10	<1	0.19	10	0.45	85	<1	0.05	11	170	6	0.05	<2	2
G092460		5.03	<10	<1	0.12	10	2.03	1170	<1	0.07	13	1530	<2	0.01	<2	25
G092461		16.3	10	<1	0.40	<10	0.03	40	<1	0.08	<1	420	2	0.88	3	1
G092462		7.73	10	<1	1.35	20	1.42	309	1	0.12	24	830	2	0.33	<2	11
G092463		5.76	10	<1	0.61	10	1.40	253	1	0.08	36	550	<2	0.47	<2	12
G092464		5.85	10	<1	0.82	<10	0.98	362	<1	0.21	26	1000	<2	0.44	<2	15
G092465		6.06	10	<1	0.37	<10	0.81	471	<1	0.17	19	630	<2	1.09	<2	19
G092466		6.01	10	<1	0.43	<10	0.91	75	<1	0.09	1	840	<2	0.12	<2	7
G092467		4.30	10	<1	0.19	<10	1.31	164	6	0.21	37	720	<2	1.07	<2	6
G092468		1.88	<10	<1	0.30	<10	0.54	256	<1	0.02	10	270	2	0.33	<2	2
G092469		4.18	10	<1	0.14	10	1.47	643	<1	0.05	49	1510	5	0.63	3	19
G092470		3.17	10	<1	0.23	20	1.07	313	<1	0.11	4	1000	6	0.03	<2	6
G092471		3.93	<10	<1	0.24	<10	0.27	4070	<1	0.02	10	240	5	0.10	<2	2
G092472		3.89	10	<1	0.38	20	1.09	136	<1	0.09	<1	1190	7	0.34	3	9
G092473		3.17	10	<1	0.85	10	0.92	1570	1	0.03	25	210	2	0.03	<2	5
G092474		1.49	<10	<1	0.15	<10	0.07	96	<1	0.04	<1	200	3	0.11	<2	1
G092475		5.34	<10	<1	0.17	<10	0.17	98	10	0.02	1	300	2	0.21	8	1
G092476		6.14	10	<1	0.29	10	0.93	1035	<1	0.01	23	300	<2	0.59	2	4
G092477		2.25	<10	<1	0.17	10	0.72	96	<1	0.11	6	850	<2	0.04	<2	13
G092478		4.53	10	<1	0.32	<10	2.70	239	<1	0.10	31	730	<2	0.15	<2	9
G092479		4.06	<10	<1	0.10	<10	0.22	35	<1	0.12	6	410	<2	0.38	7	3
G092480		9.02	10	<1	0.21	<10	0.66	85	<1	0.05	19	830	5	0.47	27	5
G092481		4.23	10	<1	0.07	<10	1.01	320	<1	0.53	68	600	<2	0.01	<2	6
G092482		3.69	10	<1	0.08	<10	1.42	267	<1	0.37	48	90	2	0.16	<2	6
G092483		3.71	10	<1	0.14	<10	2.58	564	<1	0.22	54	50	<2	0.07	3	27
G092484		1.77	<10	<1	0.11	<10	0.39	540	<1	0.02	22	30	<2	0.02	9	9
G092485		9.12	10	<1	0.07	10	2.78	1770	<1	0.05	146	150	4	0.02	5	26
G092486		3.96	10	<1	0.03	<10	1.30	290	1	0.12	32	470	<2	0.09	2	3
I068168		2.05	<10	<1	0.57	20	0.52	324	<1	0.04	12	230	<2	<0.01	<2	3
I068169		1.57	<10	<1	0.11	10	0.39	465	1	0.02	28	210	<2	<0.01	<2	4



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CERTIFICATE OF ANALYSIS VA10096670

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Ag- OG46	Cu- OG46
		Sr	Th	Ti	Tl	U	V	W	Zn	Ag	Cu
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
		1	20	0.01	10	10	1	10	2	1	0.001
I068159		196	<20	0.37	<10	<10	53	<10	6		
I068160		149	<20	<0.01	<10	<10	35	<10	24		
I068161		20	<20	0.20	<10	<10	81	<10	34		
I068162		12	<20	0.19	<10	<10	55	<10	38		
I068163		538	<20	<0.01	<10	<10	90	<10	63		
I068164		546	<20	<0.01	<10	<10	52	<10	19		
I068165		45	<20	0.26	<10	<10	66	<10	31		
I068166		91	<20	0.21	<10	<10	60	<10	21		
I068167		11	<20	0.06	<10	<10	43	<10	40		
G092458		9	<20	0.03	<10	<10	16	<10	19		
G092459		22	<20	0.05	<10	<10	30	<10	11		
G092460		320	<20	0.02	<10	<10	66	<10	39		
G092461		15	<20	0.03	<10	<10	54	<10	14		
G092462		33	<20	0.19	<10	<10	134	<10	52		
G092463		20	<20	0.13	<10	<10	113	<10	37		
G092464		405	<20	0.11	<10	<10	124	<10	38		
G092465		325	<20	0.12	<10	<10	175	<10	32		
G092466		13	<20	0.09	<10	<10	141	<10	15		
G092467		28	<20	0.35	<10	<10	106	<10	36		
G092468		7	<20	0.02	<10	<10	14	<10	11		
G092469		56	<20	0.03	<10	<10	97	<10	22		
G092470		68	<20	0.21	<10	<10	94	<10	22		
G092471		16	<20	0.05	<10	<10	49	<10	15		
G092472		33	<20	0.18	<10	<10	107	<10	14		
G092473		56	<20	0.13	<10	<10	61	<10	46		
G092474		6	<20	0.01	<10	<10	8	<10	4		
G092475		7	<20	0.01	<10	<10	8	<10	3		
G092476		4	<20	0.05	<10	<10	34	<10	28		
G092477		20	<20	0.81	<10	<10	116	<10	6		
G092478		23	<20	0.54	<10	<10	178	<10	21		
G092479		32	<20	0.21	<10	<10	63	<10	6		
G092480		16	<20	0.33	<10	<10	79	<10	7		
G092481		168	<20	0.30	<10	<10	206	<10	19		
G092482		51	<20	0.10	<10	<10	54	<10	32		
G092483		118	<20	0.03	<10	<10	84	<10	25		
G092484		27	<20	<0.01	<10	<10	30	<10	24		
G092485		29	<20	0.02	<10	<10	134	<10	104		
G092486		19	<20	0.24	<10	<10	228	<10	17		
I068168		8	<20	0.10	<10	<10	26	<10	22		
I068169		16	<20	0.01	<10	<10	16	<10	17		



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au ppm	Au- GRA21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
I068170		0.36	<0.005		<0.2	1.19	9	<10	20	<0.5	3	0.09	<0.5	5	17	15
I068171		0.56	<0.005		<0.2	3.89	17	<10	1250	0.6	3	0.40	<0.5	13	213	52
I068172		0.66	0.006		0.2	2.48	3	<10	10	<0.5	2	2.61	<0.5	16	99	69
I068173		0.62	0.104		0.3	0.96	170	<10	10	<0.5	16	0.79	<0.5	10	49	558
I068174		0.64	0.038		1.0	1.89	38	<10	30	<0.5	21	1.03	<0.5	7	102	139
I068175		0.26	0.006		0.2	0.13	12	<10	40	1.0	3	20.7	<0.5	3	2	14
I068176		0.52	<0.005		<0.2	0.64	135	<10	50	<0.5	4	0.19	<0.5	3	14	46
I068177		0.48	<0.005		<0.2	0.80	58	<10	60	0.6	3	0.08	<0.5	6	11	64
I068178		0.58	<0.005		0.2	0.42	18	<10	20	<0.5	3	0.80	<0.5	18	19	175
I068179		0.46	0.034		1.1	1.86	45	<10	10	<0.5	3	0.82	<0.5	14	95	284
I068180		1.34	<0.005		<0.2	0.60	43	<10	70	<0.5	3	0.15	<0.5	5	24	56
I068181		0.92	0.006		0.2	2.46	85	<10	20	<0.5	5	1.71	<0.5	13	75	106
I068182		0.62	<0.005		0.2	2.69	13	<10	30	<0.5	3	2.66	<0.5	16	120	85



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CERTIFICATE OF ANALYSIS VA10096670

Sample Description	Method Analyte Units LOR	ME- ICP41 Fe %	ME- ICP41 Ga ppm	ME- ICP41 Hg ppm	ME- ICP41 K %	ME- ICP41 La ppm	ME- ICP41 Mg %	ME- ICP41 Mn ppm	ME- ICP41 Mo ppm	ME- ICP41 Na %	ME- ICP41 Ni ppm	ME- ICP41 P ppm	ME- ICP41 Pb ppm	ME- ICP41 S %	ME- ICP41 Sb ppm	ME- ICP41 Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
I068170		2.73	<10	<1	0.08	10	0.57	213	1	<0.01	11	310	<2	0.01	<2	3
I068171		5.03	10	<1	1.74	10	2.22	267	1	0.13	115	920	2	0.16	<2	13
I068172		2.25	10	<1	0.03	<10	1.22	339	1	0.09	46	340	<2	0.02	<2	4
I068173		2.79	<10	<1	0.12	<10	0.44	109	1	0.09	23	380	6	0.64	4	4
I068174		3.13	10	<1	0.29	<10	0.81	175	<1	0.20	17	350	<2	0.25	<2	5
I068175		1.99	<10	<1	0.02	<10	6.58	1145	1	0.01	2	20	<2	<0.01	<2	<1
I068176		3.02	10	<1	0.12	<10	0.30	309	1	<0.01	5	170	<2	0.04	2	1
I068177		2.03	<10	<1	0.06	10	0.22	270	1	<0.01	11	100	<2	0.03	<2	2
I068178		1.67	<10	<1	0.05	<10	0.37	64	1	0.06	118	300	<2	0.74	<2	1
I068179		6.08	10	<1	0.04	<10	1.88	218	17	0.11	19	660	5	1.85	4	14
I068180		1.03	<10	<1	0.10	<10	0.48	109	2	0.03	24	180	2	0.02	<2	3
I068181		2.41	10	<1	0.07	<10	0.77	178	1	0.31	38	670	2	0.24	6	7
I068182		2.97	10	<1	0.07	<10	1.77	340	<1	0.23	39	90	2	0.06	<2	14



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CERTIFICATE OF ANALYSIS VA10096670

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Ag- OG46	Cu- OG46
		Sr	Th	Ti	Tl	U	V	W	Zn	Ag	Cu
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
		1	20	0.01	10	10	1	10	2	1	0.001
I068170		3	<20	0.01	<10	<10	12	<10	25		
I068171		50	<20	0.22	<10	<10	147	<10	40		
I068172		9	<20	0.26	<10	<10	70	<10	22		
I068173		18	<20	0.27	<10	<10	51	<10	10		
I068174		36	<20	0.25	<10	<10	61	<10	15		
I068175		838	<20	<0.01	<10	<10	5	<10	3		
I068176		7	<20	0.01	<10	<10	20	<10	9		
I068177		5	<20	<0.01	<10	<10	12	<10	12		
I068178		18	<20	0.11	<10	<10	17	<10	5		
I068179		14	<20	0.50	<10	<10	177	<10	116		
I068180		7	<20	0.03	<10	<10	40	<10	10		
I068181		70	<20	0.29	<10	<10	84	<10	9		
I068182		51	<20	0.08	<10	<10	131	<10	22		



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P.O. No.:

This report is for 133 Rock samples submitted to our lab in Vancouver, BC, Canada on 19-JUL-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER

BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
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-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Ag-OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE

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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 VA10096670

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-GRA21 Au ppm 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
I068107		0.34	<0.005		0.2	6.99	5	<10	30	<0.5	<2	4.13	<0.5	10	265	106
I068108		0.08	0.099		0.2	1.09	305	60	<10	<0.5	2	0.08	<0.5	119	937	59
I068109		0.44	0.018		0.2	3.63	<2	<10	40	<0.5	<2	0.08	<0.5	33	819	198
I068110		0.36	<0.005		<0.2	2.80	4	<10	40	<0.5	2	1.74	<0.5	11	30	29
I068111		0.46	<0.005		0.3	1.08	61	<10	<10	<0.5	<2	1.06	<0.5	19	39	92
I068112		0.22	<0.005		0.3	7.03	8	<10	250	<0.5	4	2.94	<0.5	23	236	248
I068113		0.76	<0.005		0.2	2.42	14	<10	<10	<0.5	<2	1.54	<0.5	10	11	171
I068114		0.30	0.005		0.2	9.84	61	<10	<10	<0.5	4	6.43	<0.5	22	243	110
I068115		0.34	<0.005		0.4	2.85	15	<10	20	<0.5	3	1.52	<0.5	60	345	480
I068116		0.70	0.007		0.2	1.50	17	<10	30	<0.5	<2	1.43	<0.5	33	75	242
I068119		1.12	<0.005		0.2	3.01	2	<10	150	<0.5	<2	1.41	<0.5	28	114	140
I068120		0.32	<0.005		<0.2	0.25	16	<10	30	<0.5	<2	7.2	<0.5	6	29	21
I068122		0.16	<0.005		<0.2	7.13	<2	<10	40	<0.5	<2	4.80	<0.5	15	27	186
I068123		1.20	0.021		1.4	2.99	3	<10	10	<0.5	<2	3.08	<0.5	4	60	611
I068124		0.40	<0.005		<0.2	0.67	65	<10	90	0.7	<2	15.7	<0.5	12	60	63
I068125		0.22	<0.005		<0.2	0.22	7	<10	70	<0.5	<2	18.1	<0.5	2	27	16
I068126		0.58	<0.005		<0.2	2.44	4	<10	30	<0.5	<2	2.22	<0.5	17	47	74
I068128		0.20	<0.005		<0.2	4.23	40	<10	40	<0.5	<2	4.26	<0.5	7	26	26
I068129		0.30	<0.005		<0.2	2.85	3	<10	100	<0.5	<2	2.49	<0.5	14	46	40
I068132		0.88	<0.005		<0.2	0.81	12	<10	40	<0.5	<2	0.29	<0.5	7	16	17
I068133		0.78	0.009		<0.2	4.36	40	<10	180	1.0	<2	1.85	<0.5	25	262	108
I068134		0.46	0.015		0.2	2.78	13	<10	80	<0.5	<2	1.45	<0.5	5	121	146
I068135		0.62	0.276		0.6	2.44	4	<10	20	0.5	2	1.74	<0.5	12	13	422
I068136		0.72	<0.005		<0.2	1.11	8	<10	50	<0.5	<2	0.65	<0.5	3	22	13
I068137		0.58	0.014		0.2	0.35	5	<10	40	<0.5	<2	0.88	<0.5	9	27	76
I068138		1.58	0.056		6.6	0.28	1165	<10	270	<0.5	<2	0.06	<0.5	<1	6	268
I068139		0.36	0.038		5.5	0.26	1170	<10	240	<0.5	<2	0.06	<0.5	<1	5	272
I068140		0.54	0.072		20.9	0.29	3050	<10	150	<0.5	2	0.09	<0.5	<1	6	359
I068141		0.48	0.157		2.4	0.50	5840	<10	60	<0.5	<2	0.08	<0.5	66	6	913
I068142		0.22	0.012		0.7	0.52	443	<10	70	0.5	<2	0.06	<0.5	1	22	417
I068051		0.76	<0.005		0.8	2.27	97	<10	70	<0.5	<2	1.85	<0.5	10	37	67
I068052		0.54	0.005		0.2	1.63	155	<10	60	<0.5	<2	0.23	<0.5	52	947	89
I068053		0.62	<0.005		<0.2	1.24	8	<10	60	<0.5	<2	1.59	<0.5	7	37	8
I068054		0.60	<0.005		<0.2	2.01	10	<10	1040	0.6	<2	0.13	<0.5	18	14	199
I068055		0.52	0.020		<0.2	3.17	29	<10	1190	<0.5	<2	0.35	<0.5	50	266	74
I068056		1.02	<0.005		<0.2	0.89	5	<10	460	<0.5	<2	0.09	<0.5	6	32	28
I068057		0.64	<0.005		<0.2	1.50	6	<10	2420	0.5	<2	0.07	<0.5	9	34	21
I068058		0.48	0.006		0.2	2.90	24	<10	100	<0.5	<2	1.90	<0.5	15	101	76
I068059		0.24	0.015		<0.2	1.54	3	<10	140	<0.5	<2	0.84	<0.5	6	16	50
I068060		0.22	<0.005		<0.2	1.23	2	<10	60	<0.5	<2	1.12	<0.5	5	40	7



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Sample Description	Method Analyte Units LOR	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
I068107		1.17	10	1	0.08	<10	1.32	182	<1	0.75	52	50	2	0.07	<2	4
I068108		7.41	<10	<1	0.01	10	17.60	1210	<1	0.01	2220	60	<2	0.19	<2	8
I068109		3.83	10	<1	<0.01	<10	7.13	152	<1	<0.01	413	60	<2	0.15	<2	2
I068110		3.02	10	<1	0.07	<10	1.08	389	<1	0.18	17	600	3	0.59	<2	6
I068111		2.53	<10	<1	0.03	<10	0.65	254	<1	0.11	38	920	<2	0.19	<2	7
I068112		5.59	20	1	0.51	<10	2.21	262	<1	0.72	67	1060	7	0.78	<2	17
I068113		2.27	10	<1	0.08	<10	0.22	169	<1	0.30	16	90	3	0.30	<2	1
I068114		1.04	10	1	0.03	<10	0.59	130	<1	0.72	82	80	5	0.25	<2	5
I068115		3.12	<10	<1	0.15	<10	3.11	198	<1	0.23	819	60	<2	0.86	<2	3
I068116		5.28	10	<1	0.05	<10	0.92	413	<1	0.21	35	540	<2	0.45	3	10
I068119		2.97	10	<1	0.11	<10	1.59	228	<1	0.42	51	520	7	0.72	<2	5
I068120		1.08	<10	1	0.05	<10	1.88	305	<1	0.02	31	20	<2	0.04	<2	2
I068122		1.33	20	1	0.15	<10	0.46	90	<1	0.52	29	40	2	0.56	<2	2
I068123		5.12	10	<1	0.01	<10	0.49	92	<1	0.05	12	70	7	0.24	2	6
I068124		3.57	<10	<1	0.03	<10	6.35	687	<1	0.02	26	20	<2	0.08	5	14
I068125		4.13	<10	<1	0.01	<10	7.14	950	<1	0.02	9	10	<2	<0.01	<2	5
I068126		1.61	<10	<1	0.03	<10	1.12	206	<1	0.28	50	40	<2	0.10	<2	7
I068128		1.22	10	<1	0.03	<10	0.71	125	1	0.45	41	720	8	0.17	4	7
I068129		3.03	10	<1	0.16	<10	1.09	441	<1	0.47	24	700	3	0.03	2	9
I068132		1.46	<10	<1	0.18	10	0.32	111	<1	0.06	8	190	2	0.15	<2	2
I068133		5.62	10	<1	0.57	<10	1.93	370	<1	0.35	43	1540	<2	1.33	<2	26
I068134		6.62	10	<1	0.14	<10	0.99	181	<1	0.14	6	470	3	0.15	<2	2
I068135		5.24	10	<1	0.04	20	0.07	51	2	0.27	12	370	5	2.68	<2	1
I068136		1.22	<10	<1	0.21	20	0.45	115	<1	0.09	7	1460	6	0.03	<2	3
I068137		1.85	<10	<1	0.04	<10	0.26	65	3	0.10	44	1470	<2	0.56	<2	2
I068138		11.10	<10	<1	0.31	<10	0.03	49	1	0.02	<1	170	15	0.47	17	1
I068139		11.70	<10	<1	0.29	<10	0.03	42	1	0.02	<1	170	17	0.43	12	1
I068140		17.5	<10	<1	0.87	<10	0.05	64	5	0.06	<1	420	22	1.67	28	1
I068141		26.1	10	<1	0.06	<10	0.03	115	<1	0.01	20	400	<2	0.05	30	1
I068142		25.1	<10	<1	0.21	<10	0.02	440	<1	0.01	<1	210	<2	0.10	4	9
I068051		4.04	10	<1	0.06	<10	0.34	167	<1	0.36	16	690	<2	0.07	2	4
I068052		4.30	<10	<1	0.01	<10	4.96	219	<1	0.02	1130	280	2	0.01	4	2
I068053		3.16	<10	<1	0.02	<10	0.62	196	<1	0.20	15	870	<2	0.01	<2	7
I068054		4.60	10	<1	0.77	10	1.62	1635	<1	0.08	10	510	2	0.02	<2	15
I068055		5.38	10	<1	2.53	<10	2.79	2240	<1	0.12	86	690	3	0.02	2	25
I068056		1.45	10	<1	0.32	10	0.51	300	<1	0.05	17	160	4	0.01	<2	5
I068057		1.76	<10	<1	0.53	10	0.70	797	<1	0.03	29	210	2	0.01	<2	6
I068058		2.73	10	<1	0.13	<10	0.96	274	<1	0.20	36	540	2	0.27	<2	10
I068059		1.72	10	<1	0.09	10	0.68	150	1	0.19	19	760	2	0.02	<2	4
I068060		1.15	<10	<1	0.12	<10	0.72	183	<1	0.17	15	690	3	0.01	<2	3



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-OG46	Cu-OG46
		Sr	Th	Ti	Tl	U	V	W	Zn	Ag	Cu
		ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 1	% 0.001
I068107		81	<20	0.04	<10	<10	21	<10	16		
I068108		3	<20	0.02	<10	<10	28	<10	70		
I068109		4	<20	0.02	<10	<10	28	<10	25		
I068110		61	<20	0.17	<10	<10	87	<10	46		
I068111		8	<20	0.27	<10	<10	87	<10	25		
I068112		93	<20	0.36	<10	<10	304	<10	51		
I068113		101	<20	0.06	<10	<10	73	<10	17		
I068114		77	<20	0.04	<10	<10	20	<10	17		
I068115		12	<20	0.04	<10	<10	26	<10	20		
I068116		11	<20	0.29	<10	<10	91	<10	26		
I068119		37	<20	0.19	<10	<10	88	<10	162		
I068120		233	<20	<0.01	<10	<10	10	<10	5		
I068122		133	<20	0.03	<10	<10	16	<10	10		
I068123		6	<20	0.13	<10	<10	43	<10	11		
I068124		522	<20	<0.01	<10	<10	60	<10	15		
I068125		614	<20	<0.01	<10	<10	28	<10	4		
I068126		43	<20	0.08	<10	<10	37	<10	10		
I068128		251	<20	0.53	<10	<10	70	<10	13		
I068129		74	<20	0.26	<10	<10	112	<10	34		
I068132		10	<20	0.03	<10	<10	12	<10	7		
I068133		107	<20	0.35	<10	<10	120	<10	44		
I068134		66	<20	0.26	<10	<10	88	<10	17		
I068135		99	<20	0.13	<10	<10	12	<10	3		
I068136		24	<20	0.02	<10	<10	17	<10	21		
I068137		13	<20	0.28	<10	<10	31	<10	2		
I068138		10	<20	0.01	<10	<10	8	40	4		
I068139		10	<20	0.01	<10	<10	8	50	<2		
I068140		31	<20	0.02	<10	<10	13	180	9		
I068141		8	<20	<0.01	<10	10	11	10	12		
I068142		6	<20	<0.01	<10	10	59	<10	26		
I068051		60	<20	0.35	<10	<10	149	10	8		
I068052		6	<20	0.03	<10	<10	52	<10	38		
I068053		31	<20	0.45	<10	<10	160	<10	11		
I068054		6	<20	0.20	<10	<10	194	<10	73		
I068055		8	<20	0.68	<10	<10	208	<10	142		
I068056		7	<20	0.07	<10	<10	27	<10	22		
I068057		21	<20	0.09	<10	<10	26	<10	38		
I068058		105	<20	0.20	<10	<10	94	<10	19		
I068059		45	<20	0.13	<10	<10	66	<10	15		
I068060		42	<20	0.06	<10	<10	34	<10	14		



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CERTIFICATE OF ANALYSIS VA10096670

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-GRA21 Au ppm 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
I068061		0.66	0.022		2.2	3.37	470	<10	120	<0.5	<2	2.33	0.6	42	64	687
I068062		0.48	0.005		0.2	4.01	76	<10	50	<0.5	<2	1.18	<0.5	13	270	48
I068063		0.46	0.008		0.3	2.40	80	<10	40	<0.5	<2	1.28	<0.5	16	141	53
I068064		0.80	0.008		0.2	2.44	51	<10	30	<0.5	<2	2.32	<0.5	9	110	32
I068066		0.26	0.005		0.2	6.60	36	<10	30	1.5	<2	6.64	<0.5	39	59	239
I068067		0.30	<0.005		<0.2	0.19	107	<10	110	<0.5	<2	0.06	<0.5	2	13	62
I068068		0.64	<0.005		0.2	1.48	41	<10	180	<0.5	<2	1.28	<0.5	24	72	39
I068069		0.40	<0.005		0.2	2.11	8	<10	40	<0.5	<2	1.94	<0.5	5	34	50
I068070		0.52	0.045		1.0	0.77	6900	<10	140	<0.5	8	0.72	<0.5	169	40	85
I068071		0.52	<0.005		2.1	2.17	27	<10	20	<0.5	2	1.81	<0.5	8	66	254
I068075		0.26	<0.005		0.2	1.91	119	<10	10	<0.5	<2	9.3	<0.5	21	125	53
I068076		0.20	0.015		6.0	4.17	523	<10	<10	<0.5	8	0.21	5.8	119	479	>10000
I068077		0.04	0.388		>100	0.89	2040	<10	<10	<0.5	256	0.07	8.0	322	18	>10000
I068078		0.28	0.018		4.2	3.52	266	<10	10	<0.5	<2	0.48	<0.5	33	283	1410
I068079		0.16	0.025		2.5	4.64	279	<10	<10	<0.5	<2	1.64	1.7	7	571	1025
I068080		0.30	0.218		5.8	2.32	5020	<10	<10	<0.5	76	0.19	32.2	265	31	7770
I068081		0.86	0.010		2.7	3.31	73	<10	<10	<0.5	<2	2.16	0.5	23	205	878
I068082		0.54	0.139		16.3	2.35	2260	20	<10	<0.5	11	0.16	23.4	68	218	4070
I068083		0.50	0.007		1.4	2.51	280	<10	<10	<0.5	<2	2.29	0.7	136	144	676
I068084		0.12	0.160		>100	2.17	4640	<10	<10	<0.5	20	0.26	24.5	231	108	>10000
I068085		0.22	>10.0	19.30	16.9	1.17	4340	<10	10	<0.5	221	0.10	<0.5	15	112	2140
I068086		0.14	0.213		3.2	1.36	671	<10	<10	<0.5	3	0.11	<0.5	10	369	3750
I068087		0.04	2.90		21.6	1.34	>10000	<10	40	<0.5	141	0.13	5.3	3	368	937
I068088		0.60	0.029		2.4	3.76	207	<10	10	<0.5	<2	0.79	10.6	195	622	>10000
I068089		0.06	0.247		>100	1.38	>10000	<10	20	<0.5	165	0.16	57.7	74	35	>10000
I068090		0.12	2.05		>100	1.23	>10000	<10	<10	<0.5	351	0.14	53.2	412	76	>10000
I068091		0.08	0.114		>100	4.81	882	<10	<10	<0.5	272	1.03	54.8	149	11	>10000
I068093		0.26	0.505		>100	1.20	9970	<10	<10	<0.5	394	0.09	35.0	276	43	>10000
I068094		0.14	0.184		>100	1.00	9810	<10	10	<0.5	154	0.10	40.6	73	20	9160
I068095		0.26	<0.005		5.1	0.36	119	<10	<10	<0.5	<2	17.1	<0.5	7	9	106
I068096		0.12	0.024		34.0	4.58	92	<10	<10	<0.5	22	16.7	14.7	21	253	7500
I068098		0.28	0.005		3.6	1.87	129	<10	10	1.0	<2	5.03	<0.5	22	45	78
I068151		0.82	<0.005		0.8	0.99	13	<10	470	<0.5	<2	0.10	<0.5	6	28	74
I068152		0.62	<0.005		0.5	0.81	4	<10	1770	<0.5	<2	0.31	<0.5	6	26	87
I068153		0.68	<0.005		3.1	1.07	36	<10	510	<0.5	2	0.08	<0.5	5	29	124
I068154		0.78	<0.005		1.0	1.14	100	<10	10	<0.5	<2	13.0	<0.5	42	117	52
I068155		0.66	0.007		0.4	0.43	334	<10	120	<0.5	<2	0.06	<0.5	7	20	203
I068156		0.60	<0.005		0.9	1.87	262	<10	60	<0.5	<2	1.89	<0.5	21	34	166
I068157		0.84	<0.005		0.3	2.05	17	<10	30	<0.5	<2	1.58	<0.5	24	73	120
I068158		0.76	0.005		0.8	0.66	85	<10	20	0.7	<2	11.0	<0.5	10	43	24



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CERTIFICATE OF ANALYSIS VA10096670

Sample Description	Method Analyte Units LOR	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
I068061		3.63	10	<1	0.18	<10	1.97	250	21	0.16	80	1970	3	0.75	2	10
I068062		3.93	10	<1	0.12	<10	3.39	346	1	0.10	178	140	2	0.01	2	4
I068063		2.23	<10	<1	0.14	<10	1.58	219	1	0.12	118	850	3	0.01	<2	4
I068064		2.11	<10	1	0.11	<10	1.55	228	1	0.05	95	430	2	0.01	3	5
I068066		4.96	20	1	0.02	<10	2.38	371	2	0.02	85	4240	8	0.02	3	3
I068067		1.61	<10	<1	0.03	<10	0.05	38	<1	<0.01	5	50	4	<0.01	3	<1
I068068		2.85	10	<1	0.21	10	0.83	226	3	0.20	56	1270	4	0.95	3	4
I068069		1.78	<10	<1	0.12	<10	0.63	163	<1	0.14	28	580	<2	0.18	<2	5
I068070		2.43	<10	<1	0.05	<10	0.31	48	1	0.13	46	680	5	0.61	11	4
I068071		3.08	10	<1	0.08	<10	0.72	179	<1	0.31	17	640	3	0.65	2	10
I068075		1.98	<10	1	0.07	<10	0.60	530	<1	<0.01	86	30	<2	0.02	11	11
I068076		7.13	10	1	0.21	<10	4.63	522	<1	0.02	127	100	3	1.18	4	26
I068077		49.9	<10	1	0.05	<10	0.12	<5	7	0.05	303	50	112	0.43	10	2
I068078		7.80	10	<1	0.07	<10	1.30	106	<1	0.01	85	30	<2	0.01	4	17
I068079		8.74	10	<1	0.08	<10	3.08	407	<1	0.01	58	50	<2	0.03	6	8
I068080		8.94	10	<1	0.02	<10	1.11	106	4	<0.01	96	210	55	0.01	7	3
I068081		4.01	10	<1	0.14	<10	1.53	204	<1	0.30	165	160	<2	1.00	5	5
I068082		5.83	10	<1	0.02	<10	1.99	195	1	0.01	40	180	6	0.01	2	7
I068083		5.28	<10	<1	0.05	<10	0.93	150	<1	0.13	158	70	2	1.75	2	4
I068084		41.3	10	1	0.19	<10	0.21	12	36	<0.01	99	290	<2	0.45	19	5
I068085		39.4	20	<1	0.35	<10	0.03	<5	2	0.42	9	1010	<2	2.15	8	4
I068086		24.4	20	<1	0.11	<10	0.12	<5	<1	0.02	12	30	<2	0.28	4	9
I068087		28.4	60	<1	2.05	80	0.03	<5	<1	2.30	<1	290	27	>10.0	18	12
I068088		5.03	10	1	0.23	<10	3.17	593	<1	0.10	179	100	<2	0.03	2	5
I068089		30.0	<10	1	0.89	<10	0.10	10	6	0.45	20	50	105	2.92	36	3
I068090		42.2	10	1	0.51	<10	0.12	<5	29	0.14	153	60	206	1.44	33	6
I068091		25.1	20	<1	0.04	<10	4.93	880	<1	0.01	300	50	234	4.67	13	14
I068093		38.1	<10	1	0.55	<10	0.04	<5	57	0.16	79	50	207	1.57	17	4
I068094		23.4	<10	1	0.28	<10	0.11	28	5	0.22	21	40	171	1.23	25	4
I068095		1.92	<10	<1	0.01	<10	0.65	710	<1	<0.01	32	20	<2	0.03	3	2
I068096		3.92	10	1	0.01	<10	2.29	746	<1	<0.01	67	50	20	0.68	6	9
I068098		5.41	<10	1	0.17	20	1.59	524	1	<0.01	15	1100	<2	0.08	3	23
I068151		1.18	<10	<1	0.25	10	0.45	470	<1	<0.01	17	160	2	<0.01	<2	4
I068152		0.96	<10	<1	0.25	<10	0.40	589	<1	0.03	14	130	2	<0.01	<2	3
I068153		1.47	<10	<1	0.26	10	0.41	351	<1	<0.01	26	70	2	<0.01	<2	4
I068154		2.99	<10	<1	0.03	<10	2.10	531	<1	<0.01	134	50	<2	0.06	13	18
I068155		4.87	<10	<1	0.09	<10	0.05	37	4	0.03	9	160	4	0.16	34	2
I068156		3.01	10	<1	0.06	<10	0.98	219	<1	0.15	22	810	<2	0.06	4	9
I068157		6.47	10	<1	0.05	<10	0.76	310	<1	0.25	32	240	<2	0.13	<2	7
I068158		4.23	<10	<1	0.14	10	3.45	1050	<1	0.01	18	380	<2	0.02	5	11



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-OG46	Cu-OG46
		Sr	Th	Ti	Tl	U	V	W	Zn	Ag	Cu
		ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 1	% 0.001
I068061		70	<20	0.23	<10	<10	148	<10	31		
I068062		37	<20	0.09	<10	<10	64	<10	34		
I068063		34	<20	0.15	<10	<10	49	<10	19		
I068064		41	<20	0.14	<10	<10	61	<10	21		
I068066		23	<20	0.10	<10	<10	79	<10	55		
I068067		2	<20	0.01	<10	<10	6	<10	3		
I068068		87	<20	0.28	<10	<10	60	<10	21		
I068069		44	<20	0.19	<10	<10	49	<10	7		
I068070		24	<20	0.25	<10	<10	40	<10	4		
I068071		43	<20	0.37	<10	<10	116	<10	10		
I068075		46	<20	<0.01	<10	<10	38	<10	17		
I068076		5	<20	0.09	<10	<10	122	<10	260		8.52
I068077		9	<20	<0.01	<10	<10	13	<10	645	927	2.40
I068078		15	<20	0.08	<10	<10	100	<10	29		
I068079		12	<20	0.09	<10	<10	75	<10	141		
I068080		6	<20	0.02	<10	<10	52	<10	381		
I068081		48	<20	0.10	<10	<10	60	<10	28		
I068082		9	<20	0.04	<10	<10	67	<10	223		
I068083		32	<20	0.06	<10	<10	32	<10	17		
I068084		29	<20	0.02	<10	<10	42	<10	1470	207	1.525
I068085		45	<20	0.06	<10	<10	113	<10	303		
I068086		10	<20	0.02	<10	<10	96	<10	40		
I068087		258	<20	0.01	<10	10	87	<10	2		
I068088		17	<20	0.16	<10	<10	93	<10	441		1.215
I068089		66	<20	0.05	<10	<10	23	10	329	608	1.125
I068090		56	<20	0.02	<10	<10	45	10	898	969	2.05
I068091		28	<20	0.01	<10	<10	148	<10	1300	302	5.70
I068093		73	<20	0.02	<10	<10	26	90	675	1310	2.02
I068094		33	<20	0.03	<10	<10	18	30	329	361	
I068095		62	<20	<0.01	<10	<10	9	<10	17		
I068096		205	<20	0.05	<10	<10	62	<10	270		
I068098		55	<20	<0.01	<10	<10	87	<10	46		
I068151		5	<20	0.04	<10	<10	20	<10	27		
I068152		17	<20	0.05	<10	<10	16	<10	34		
I068153		5	<20	0.06	<10	<10	37	<10	30		
I068154		93	<20	<0.01	<10	<10	59	<10	52		
I068155		10	<20	0.01	<10	<10	42	<10	6		
I068156		21	<20	0.42	<10	<10	112	<10	16		
I068157		28	<20	0.28	<10	<10	861	<10	26		
I068158		265	<20	<0.01	<10	<10	42	<10	13		



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-GRA21 Au ppm 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
I068159		0.72	0.006		0.3	2.07	76	<10	<10	<0.5	<2	1.84	<0.5	13	15	89
I068160		0.54	0.008		0.2	0.60	135	<10	20	<0.5	<2	5.62	<0.5	22	73	76
I068161		0.70	0.005		0.5	2.08	4	<10	<10	<0.5	<2	1.00	<0.5	22	52	125
I068162		0.62	0.007		0.2	1.45	3	<10	<10	<0.5	2	0.88	<0.5	27	45	213
I068163		0.74	<0.005		0.2	0.40	21	<10	50	0.5	<2	14.1	<0.5	12	16	29
I068164		1.32	<0.005		0.4	0.41	33	<10	50	0.6	<2	13.0	<0.5	17	79	28
I068165		0.62	0.008		0.3	3.37	7	<10	70	<0.5	<2	2.39	<0.5	15	64	135
I068166		0.94	0.015		0.2	2.44	112	<10	70	<0.5	2	1.86	<0.5	23	127	105
I068167		0.66	0.006		<0.2	1.86	172	<10	110	0.5	<2	0.22	<0.5	8	41	40
G092458		0.32	<0.005		<0.2	1.05	122	<10	560	<0.5	2	0.16	<0.5	4	17	55
G092459		0.36	0.133		0.2	0.97	155	<10	120	<0.5	9	0.17	<0.5	5	20	75
G092460		0.18	0.005		0.4	0.98	61	<10	180	<0.5	2	3.98	<0.5	6	89	10
G092461		0.34	0.014		0.5	0.52	692	<10	170	<0.5	<2	0.05	<0.5	<1	14	342
G092462		0.50	<0.005		0.5	3.37	13	<10	970	<0.5	<2	0.26	<0.5	8	138	261
G092463		0.34	0.007		0.5	2.83	64	<10	420	0.5	<2	0.32	<0.5	11	59	92
G092464		0.70	<0.005		0.5	5.30	8	<10	540	0.7	<2	2.34	<0.5	12	42	121
G092465		0.48	0.012		0.4	4.77	<2	<10	210	0.5	2	1.88	<0.5	10	7	155
G092466		0.16	0.015		1.6	1.39	414	<10	80	<0.5	4	0.24	<0.5	5	72	164
G092467		0.44	<0.005		0.2	2.08	16	<10	50	<0.5	<2	1.14	<0.5	23	76	129
G092468		0.90	<0.005		<0.2	0.95	13	<10	140	<0.5	<2	0.07	<0.5	14	16	151
G092469		0.38	0.006		0.5	1.48	381	<10	230	1.1	3	5.97	<0.5	27	239	122
G092470		0.22	0.017		0.2	3.22	30	<10	150	0.9	2	1.69	<0.5	10	6	71
G092471		0.30	0.051		0.3	0.90	30	<10	800	<0.5	4	0.31	<0.5	6	18	139
G092472		0.80	0.028		0.4	1.95	1080	<10	140	<0.5	2	0.62	<0.5	42	4	290
G092473		0.14	<0.005		<0.2	1.85	25	<10	250	<0.5	2	0.09	<0.5	11	28	76
G092474		0.60	<0.005		<0.2	0.37	15	<10	190	<0.5	<2	0.03	<0.5	2	12	68
G092475		0.18	<0.005		0.3	0.51	123	<10	470	<0.5	2	0.03	<0.5	3	5	248
G092476		0.66	<0.005		0.8	1.65	85	<10	280	<0.5	2	0.05	<0.5	36	13	255
G092477		0.40	<0.005		<0.2	0.98	24	<10	30	<0.5	2	1.20	<0.5	3	92	55
G092478		0.48	<0.005		0.2	2.78	93	<10	60	<0.5	2	1.09	<0.5	17	234	85
G092479		0.52	0.005		1.0	1.06	110	<10	60	<0.5	2	0.38	<0.5	3	25	145
G092480		0.42	0.248		0.6	1.32	168	<10	580	<0.5	5	0.85	<0.5	7	45	394
G092481		0.42	<0.005		0.2	4.14	31	<10	30	<0.5	<2	2.43	<0.5	74	138	50
G092482		0.58	<0.005		2.8	2.93	56	<10	<10	<0.5	<2	2.13	<0.5	26	90	528
G092483		0.30	<0.005		0.3	2.57	56	<10	70	1.0	<2	4.39	<0.5	26	97	34
G092484		0.32	0.286		1.4	0.63	1730	<10	20	0.6	<2	5.23	<0.5	8	25	215
G092485		0.62	0.008		1.0	4.38	135	<10	30	<0.5	4	0.80	<0.5	81	329	138
G092486		0.24	<0.005		<0.2	2.28	5	<10	<10	<0.5	3	1.21	<0.5	19	22	90
I068168		0.60	<0.005		<0.2	1.33	6	<10	120	<0.5	3	0.15	<0.5	5	30	11
I068169		0.42	<0.005		<0.2	0.72	13	<10	1710	<0.5	3	0.09	<0.5	7	17	17



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CERTIFICATE OF ANALYSIS VA10096670

Sample Description	Method Analyte Units LOR	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
I068159		1.25	10	<1	0.02	<10	0.06	130	<1	0.28	13	1000	2	0.35	<2	3
I068160		2.55	<10	<1	0.05	<10	2.75	399	<1	0.01	190	200	<2	0.03	40	7
I068161		3.30	10	<1	0.14	<10	1.30	149	<1	0.21	27	540	<2	0.61	<2	4
I068162		2.73	<10	<1	0.04	<10	0.90	193	<1	0.19	42	730	<2	0.63	<2	4
I068163		4.63	<10	<1	0.02	<10	5.72	1280	<1	0.02	14	330	<2	0.17	<2	12
I068164		3.30	<10	<1	0.06	<10	5.38	713	<1	0.02	32	20	<2	0.01	<2	20
I068165		2.37	10	<1	0.10	<10	1.04	315	<1	0.43	27	440	<2	<0.01	<2	6
I068166		3.54	10	<1	0.07	10	0.83	167	<1	0.18	76	1330	2	1.16	<2	3
I068167		3.32	10	<1	0.56	20	0.93	175	<1	0.02	13	320	<2	0.12	<2	5
G092458		2.96	<10	<1	0.21	<10	0.31	224	<1	0.02	7	730	<2	0.09	<2	4
G092459		2.06	<10	<1	0.19	10	0.45	85	<1	0.05	11	170	6	0.05	<2	2
G092460		5.03	<10	<1	0.12	10	2.03	1170	<1	0.07	13	1530	<2	0.01	<2	25
G092461		16.3	10	<1	0.40	<10	0.03	40	<1	0.08	<1	420	2	0.88	3	1
G092462		7.73	10	<1	1.35	20	1.42	309	1	0.12	24	830	2	0.33	<2	11
G092463		5.76	10	<1	0.61	10	1.40	253	1	0.08	36	550	<2	0.47	<2	12
G092464		5.85	10	<1	0.82	<10	0.98	362	<1	0.21	26	1000	<2	0.44	<2	15
G092465		6.06	10	<1	0.37	<10	0.81	471	<1	0.17	19	630	<2	1.09	<2	19
G092466		6.01	10	<1	0.43	<10	0.91	75	<1	0.09	1	840	<2	0.12	<2	7
G092467		4.30	10	<1	0.19	<10	1.31	164	6	0.21	37	720	<2	1.07	<2	6
G092468		1.88	<10	<1	0.30	<10	0.54	256	<1	0.02	10	270	2	0.33	<2	2
G092469		4.18	10	<1	0.14	10	1.47	643	<1	0.05	49	1510	5	0.63	3	19
G092470		3.17	10	<1	0.23	20	1.07	313	<1	0.11	4	1000	6	0.03	<2	6
G092471		3.93	<10	<1	0.24	<10	0.27	4070	<1	0.02	10	240	5	0.10	<2	2
G092472		3.89	10	<1	0.38	20	1.09	136	<1	0.09	<1	1190	7	0.34	3	9
G092473		3.17	10	<1	0.85	10	0.92	1570	1	0.03	25	210	2	0.03	<2	5
G092474		1.49	<10	<1	0.15	<10	0.07	96	<1	0.04	<1	200	3	0.11	<2	1
G092475		5.34	<10	<1	0.17	<10	0.17	98	10	0.02	1	300	2	0.21	8	1
G092476		6.14	10	<1	0.29	10	0.93	1035	<1	0.01	23	300	<2	0.59	2	4
G092477		2.25	<10	<1	0.17	10	0.72	96	<1	0.11	6	850	<2	0.04	<2	13
G092478		4.53	10	<1	0.32	<10	2.70	239	<1	0.10	31	730	<2	0.15	<2	9
G092479		4.06	<10	<1	0.10	<10	0.22	35	<1	0.12	6	410	<2	0.38	7	3
G092480		9.02	10	<1	0.21	<10	0.66	85	<1	0.05	19	830	5	0.47	27	5
G092481		4.23	10	<1	0.07	<10	1.01	320	<1	0.53	68	600	<2	0.01	<2	6
G092482		3.69	10	<1	0.08	<10	1.42	267	<1	0.37	48	90	2	0.16	<2	6
G092483		3.71	10	<1	0.14	<10	2.58	564	<1	0.22	54	50	<2	0.07	3	27
G092484		1.77	<10	<1	0.11	<10	0.39	540	<1	0.02	22	30	<2	0.02	9	9
G092485		9.12	10	<1	0.07	10	2.78	1770	<1	0.05	146	150	4	0.02	5	26
G092486		3.96	10	<1	0.03	<10	1.30	290	1	0.12	32	470	<2	0.09	2	3
I068168		2.05	<10	<1	0.57	20	0.52	324	<1	0.04	12	230	<2	<0.01	<2	3
I068169		1.57	<10	<1	0.11	10	0.39	465	1	0.02	28	210	<2	<0.01	<2	4



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CERTIFICATE OF ANALYSIS VA10096670

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-OG46	Cu-OG46
		Sr	Th	Ti	Tl	U	V	W	Zn	Ag	Cu
		ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 1	% 0.001
I068159		196	<20	0.37	<10	<10	53	<10	6		
I068160		149	<20	<0.01	<10	<10	35	<10	24		
I068161		20	<20	0.20	<10	<10	81	<10	34		
I068162		12	<20	0.19	<10	<10	55	<10	38		
I068163		538	<20	<0.01	<10	<10	90	<10	63		
I068164		546	<20	<0.01	<10	<10	52	<10	19		
I068165		45	<20	0.26	<10	<10	66	<10	31		
I068166		91	<20	0.21	<10	<10	60	<10	21		
I068167		11	<20	0.06	<10	<10	43	<10	40		
G092458		9	<20	0.03	<10	<10	16	<10	19		
G092459		22	<20	0.05	<10	<10	30	<10	11		
G092460		320	<20	0.02	<10	<10	66	<10	39		
G092461		15	<20	0.03	<10	<10	54	<10	14		
G092462		33	<20	0.19	<10	<10	134	<10	52		
G092463		20	<20	0.13	<10	<10	113	<10	37		
G092464		405	<20	0.11	<10	<10	124	<10	38		
G092465		325	<20	0.12	<10	<10	175	<10	32		
G092466		13	<20	0.09	<10	<10	141	<10	15		
G092467		28	<20	0.35	<10	<10	106	<10	36		
G092468		7	<20	0.02	<10	<10	14	<10	11		
G092469		56	<20	0.03	<10	<10	97	<10	22		
G092470		68	<20	0.21	<10	<10	94	<10	22		
G092471		16	<20	0.05	<10	<10	49	<10	15		
G092472		33	<20	0.18	<10	<10	107	<10	14		
G092473		56	<20	0.13	<10	<10	61	<10	46		
G092474		6	<20	0.01	<10	<10	8	<10	4		
G092475		7	<20	0.01	<10	<10	8	<10	3		
G092476		4	<20	0.05	<10	<10	34	<10	28		
G092477		20	<20	0.81	<10	<10	116	<10	6		
G092478		23	<20	0.54	<10	<10	178	<10	21		
G092479		32	<20	0.21	<10	<10	63	<10	6		
G092480		16	<20	0.33	<10	<10	79	<10	7		
G092481		168	<20	0.30	<10	<10	206	<10	19		
G092482		51	<20	0.10	<10	<10	54	<10	32		
G092483		118	<20	0.03	<10	<10	84	<10	25		
G092484		27	<20	<0.01	<10	<10	30	<10	24		
G092485		29	<20	0.02	<10	<10	134	<10	104		
G092486		19	<20	0.24	<10	<10	228	<10	17		
I068168		8	<20	0.10	<10	<10	26	<10	22		
I068169		16	<20	0.01	<10	<10	16	<10	17		



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CERTIFICATE OF ANALYSIS VA10096670

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-GRA21 Au ppm 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
I068170		0.36	<0.005		<0.2	1.19	9	<10	20	<0.5	3	0.09	<0.5	5	17	15
I068171		0.56	<0.005		<0.2	3.89	17	<10	1250	0.6	3	0.40	<0.5	13	213	52
I068172		0.66	0.006		0.2	2.48	3	<10	10	<0.5	2	2.61	<0.5	16	99	69
I068173		0.62	0.104		0.3	0.96	170	<10	10	<0.5	16	0.79	<0.5	10	49	558
I068174		0.64	0.038		1.0	1.89	38	<10	30	<0.5	21	1.03	<0.5	7	102	139
I068175		0.26	0.006		0.2	0.13	12	<10	40	1.0	3	20.7	<0.5	3	2	14
I068176		0.52	<0.005		<0.2	0.64	135	<10	50	<0.5	4	0.19	<0.5	3	14	46
I068177		0.48	<0.005		<0.2	0.80	58	<10	60	0.6	3	0.08	<0.5	6	11	64
I068178		0.58	<0.005		0.2	0.42	18	<10	20	<0.5	3	0.80	<0.5	18	19	175
I068179		0.46	0.034		1.1	1.86	45	<10	10	<0.5	3	0.82	<0.5	14	95	284
I068180		1.34	<0.005		<0.2	0.60	43	<10	70	<0.5	3	0.15	<0.5	5	24	56
I068181		0.92	0.006		0.2	2.46	85	<10	20	<0.5	5	1.71	<0.5	13	75	106
I068182		0.62	<0.005		0.2	2.69	13	<10	30	<0.5	3	2.66	<0.5	16	120	85



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Sample Description	Method Analyte Units LOR	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
I068170		2.73	<10	<1	0.08	10	0.57	213	1	<0.01	11	310	<2	0.01	<2	3
I068171		5.03	10	<1	1.74	10	2.22	267	1	0.13	115	920	2	0.16	<2	13
I068172		2.25	10	<1	0.03	<10	1.22	339	1	0.09	46	340	<2	0.02	<2	4
I068173		2.79	<10	<1	0.12	<10	0.44	109	1	0.09	23	380	6	0.64	4	4
I068174		3.13	10	<1	0.29	<10	0.81	175	<1	0.20	17	350	<2	0.25	<2	5
I068175		1.99	<10	<1	0.02	<10	6.58	1145	1	0.01	2	20	<2	<0.01	<2	<1
I068176		3.02	10	<1	0.12	<10	0.30	309	1	<0.01	5	170	<2	0.04	2	1
I068177		2.03	<10	<1	0.06	10	0.22	270	1	<0.01	11	100	<2	0.03	<2	2
I068178		1.67	<10	<1	0.05	<10	0.37	64	1	0.06	118	300	<2	0.74	<2	1
I068179		6.08	10	<1	0.04	<10	1.88	218	17	0.11	19	660	5	1.85	4	14
I068180		1.03	<10	<1	0.10	<10	0.48	109	2	0.03	24	180	2	0.02	<2	3
I068181		2.41	10	<1	0.07	<10	0.77	178	1	0.31	38	670	2	0.24	6	7
I068182		2.97	10	<1	0.07	<10	1.77	340	<1	0.23	39	90	2	0.06	<2	14



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CERTIFICATE OF ANALYSIS VA10096670

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-OG46	Cu-OG46
		Sr	Th	Ti	Tl	U	V	W	Zn	Ag	Cu
		ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 1	% 0.001
I068170		3	<20	0.01	<10	<10	12	<10	25		
I068171		50	<20	0.22	<10	<10	147	<10	40		
I068172		9	<20	0.26	<10	<10	70	<10	22		
I068173		18	<20	0.27	<10	<10	51	<10	10		
I068174		36	<20	0.25	<10	<10	61	<10	15		
I068175		838	<20	<0.01	<10	<10	5	<10	3		
I068176		7	<20	0.01	<10	<10	20	<10	9		
I068177		5	<20	<0.01	<10	<10	12	<10	12		
I068178		18	<20	0.11	<10	<10	17	<10	5		
I068179		14	<20	0.50	<10	<10	177	<10	116		
I068180		7	<20	0.03	<10	<10	40	<10	10		
I068181		70	<20	0.29	<10	<10	84	<10	9		
I068182		51	<20	0.08	<10	<10	131	<10	22		



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CERTIFICATE VA10096398

Project: Tarsis White River

P.O. No.:

This report is for 199 Soil samples submitted to our lab in Vancouver, BC, Canada on 12-JUL-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER

BILL WENGZYNOWSKI

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
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ST44	Super Trace Au - 50g AR	ICP-MS
Au-OG44	Ore Grade Au - 50g AR	ICP-MS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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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To: ARCHER, CATHRO AND ASSOCIATES (1981)
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CERTIFICATE OF ANALYSIS VA10096398

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC84423		0.10	<0.2	1.68	7	<10	170	<0.5	<2	0.86	<0.5	12	38	25	3.23	10
CC84424		0.16	<0.2	2.26	53	<10	290	0.6	4	0.48	<0.5	21	44	71	4.32	10
CC84425		0.14	<0.2	1.49	12	<10	230	<0.5	2	1.09	<0.5	15	37	31	2.99	10
CC84426		0.12	<0.2	1.64	29	<10	190	0.5	2	0.70	<0.5	14	30	32	3.28	10
CC84427		0.16	0.2	1.40	17	<10	160	<0.5	<2	0.86	<0.5	15	34	28	2.87	10
CC84428		0.10	0.2	1.65	23	<10	190	0.6	<2	0.76	<0.5	15	31	31	3.11	10
CC84429		0.14	<0.2	2.55	49	<10	220	0.9	2	0.35	<0.5	17	45	57	4.77	10
CC84430		0.12	0.3	2.21	51	<10	230	0.8	3	0.82	<0.5	19	40	47	3.76	10
CC84431		0.16	0.2	1.60	13	<10	180	<0.5	<2	0.84	<0.5	16	36	36	3.05	10
CC84432		0.12	0.2	2.09	136	<10	300	0.8	4	0.61	<0.5	19	38	65	3.75	<10
CC84433		0.16	0.4	2.19	101	<10	310	0.7	4	0.78	<0.5	23	45	66	3.62	10
CC84434		0.18	0.2	1.43	27	<10	180	<0.5	<2	0.96	<0.5	14	29	34	2.53	10
CC84435		0.04	0.3	0.43	9	<10	120	<0.5	2	1.86	<0.5	5	17	22	0.87	<10
CC84436		0.16	<0.2	2.34	47	<10	370	0.7	<2	0.43	<0.5	18	75	62	3.11	10
CC84437		0.04	<0.2	0.44	6	<10	60	<0.5	<2	1.89	<0.5	5	14	24	0.85	<10
CC84438		0.10	0.2	2.05	42	<10	150	<0.5	2	1.63	<0.5	15	51	61	2.86	<10
CC84439		0.12	0.2	2.04	28	<10	160	<0.5	2	1.53	<0.5	17	58	55	2.80	10
CC84440		0.14	0.2	2.11	79	<10	180	<0.5	<2	0.95	<0.5	18	54	51	3.05	10
CC84441		0.18	0.3	2.07	25	<10	180	<0.5	<2	1.10	<0.5	22	57	53	3.13	10
CC84442		0.08	0.2	0.64	5	<10	70	<0.5	<2	0.46	<0.5	5	19	23	1.39	<10
CC84443		0.14	0.2	3.59	31	<10	190	<0.5	<2	0.96	<0.5	30	126	57	4.45	10
CC84444		0.10	0.2	1.49	17	<10	120	<0.5	<2	1.85	<0.5	10	29	44	2.30	<10
CC84445		0.20	0.2	1.86	18	<10	100	<0.5	<2	0.31	<0.5	8	40	28	4.02	10
CC84446		0.12	0.2	1.83	15	<10	70	<0.5	<2	0.51	<0.5	13	32	33	3.05	10
CC84447		0.14	<0.2	1.59	8	<10	120	<0.5	<2	0.60	<0.5	9	39	24	2.93	10
CC84448		0.08	0.2	1.89	13	<10	120	<0.5	<2	1.38	<0.5	15	43	48	2.88	<10
CC84449		0.06	0.2	0.84	7	<10	80	<0.5	<2	2.33	<0.5	7	20	33	1.46	<10
CC84450		0.10	0.3	1.91	12	<10	120	<0.5	<2	1.11	<0.5	15	35	51	2.96	10
CC84483		0.12	0.2	1.79	32	<10	170	0.6	2	0.70	<0.5	18	60	45	3.85	<10
CC84484		0.12	0.2	1.30	15	<10	210	<0.5	<2	1.13	<0.5	23	43	42	2.55	<10
CC84485		0.10	0.2	1.54	11	<10	140	<0.5	<2	0.72	<0.5	16	40	27	3.25	10
CC84486		0.10	<0.2	1.06	8	<10	180	<0.5	<2	1.16	<0.5	13	25	29	2.35	<10
CC84487		0.12	0.2	1.38	105	<10	250	0.5	2	0.44	<0.5	14	35	58	3.27	<10
CC84488		0.12	0.2	1.69	84	<10	250	0.5	5	0.73	<0.5	19	37	47	3.71	10
CC84489		0.10	0.3	1.64	72	<10	310	<0.5	<2	0.71	<0.5	19	44	70	3.58	10
CC84490		0.08	0.3	1.48	43	<10	170	0.5	<2	0.65	<0.5	14	32	58	2.90	<10
CC84491		0.14	<0.2	1.91	107	<10	280	0.7	<2	0.38	<0.5	16	48	74	4.20	10
CC84492		0.12	0.3	1.72	100	<10	300	0.6	3	0.81	<0.5	17	37	60	3.39	<10
CC84493		0.10	0.2	1.54	15	<10	150	<0.5	<2	0.62	<0.5	17	40	31	2.87	<10
CC84494		0.10	0.2	2.23	190	<10	200	0.5	<2	0.63	<0.5	22	79	52	3.60	10



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CERTIFICATE OF ANALYSIS VA10096398

Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC84423		<1	0.09	10	0.56	508	<1	0.08	21	630	4	0.08	<2	3	49	<20
CC84424		<1	0.32	10	0.80	518	1	0.07	56	470	5	0.10	5	5	54	<20
CC84425		<1	0.12	10	0.55	722	<1	0.07	22	810	4	0.12	<2	3	63	<20
CC84426		<1	0.20	10	0.58	659	<1	0.04	24	700	5	0.07	<2	3	41	<20
CC84427		<1	0.07	10	0.52	689	<1	0.06	20	750	4	0.10	<2	3	49	<20
CC84428		<1	0.11	10	0.44	632	<1	0.04	22	840	5	0.08	<2	3	47	<20
CC84429		<1	0.35	10	0.80	518	<1	0.03	38	610	4	0.06	3	4	59	<20
CC84430		<1	0.19	10	0.66	763	<1	0.04	31	850	4	0.10	<2	4	82	<20
CC84431		<1	0.08	10	0.60	1720	1	0.07	28	750	4	0.10	<2	3	51	<20
CC84432		<1	0.14	10	0.64	724	1	0.05	35	760	6	0.09	2	4	67	<20
CC84433		1	0.11	10	0.69	1430	1	0.05	33	870	7	0.08	5	5	51	<20
CC84434		<1	0.07	10	0.44	830	<1	0.05	23	900	3	0.11	<2	3	54	<20
CC84435		<1	0.06	<10	0.24	257	<1	0.04	14	630	<2	0.17	<2	1	54	<20
CC84436		<1	0.43	<10	1.14	464	<1	0.03	72	300	<2	0.01	2	5	34	<20
CC84437		<1	0.06	<10	0.22	202	<1	0.04	11	660	<2	0.15	<2	1	49	<20
CC84438		<1	0.08	10	0.82	533	<1	0.05	55	670	4	0.10	<2	4	56	<20
CC84439		<1	0.08	10	0.86	571	<1	0.06	75	720	3	0.08	<2	5	60	<20
CC84440		<1	0.09	10	0.89	501	<1	0.07	67	650	3	0.05	<2	6	53	<20
CC84441		<1	0.08	10	0.85	763	<1	0.06	72	770	5	0.07	<2	5	54	<20
CC84442		<1	0.05	10	0.10	90	<1	0.03	12	960	<2	0.19	<2	1	24	<20
CC84443		<1	0.11	10	1.98	559	<1	0.07	82	510	2	0.05	4	7	58	<20
CC84444		<1	0.07	10	0.51	413	<1	0.04	21	800	3	0.13	<2	3	56	<20
CC84445		<1	0.05	10	0.42	196	1	0.04	20	270	7	0.03	<2	4	26	<20
CC84446		<1	0.06	10	0.58	420	2	0.07	28	380	11	0.04	<2	3	29	<20
CC84447		1	0.05	10	0.53	271	1	0.06	25	450	7	0.04	<2	2	37	<20
CC84448		<1	0.07	10	0.79	434	1	0.05	42	850	5	0.10	<2	4	51	<20
CC84449		<1	0.05	10	0.37	555	1	0.05	19	750	2	0.18	<2	2	56	<20
CC84450		<1	0.06	10	0.65	503	1	0.05	27	970	4	0.10	<2	3	52	<20
CC84483		<1	0.15	10	0.71	1070	1	0.06	29	990	4	0.11	<2	5	47	<20
CC84484		<1	0.08	20	0.58	1815	2	0.05	40	840	4	0.11	<2	3	54	<20
CC84485		<1	0.10	10	0.53	773	1	0.06	21	850	6	0.08	<2	3	43	<20
CC84486		<1	0.06	10	0.44	674	1	0.06	20	830	4	0.14	<2	2	57	<20
CC84487		1	0.14	10	0.51	418	2	0.05	32	730	4	0.09	<2	2	39	<20
CC84488		<1	0.09	10	0.59	708	1	0.06	27	880	6	0.08	<2	3	46	<20
CC84489		<1	0.10	10	0.59	617	1	0.05	31	840	6	0.08	<2	3	44	<20
CC84490		<1	0.07	10	0.38	445	1	0.05	27	910	5	0.09	<2	2	39	<20
CC84491		<1	0.25	20	0.75	480	2	0.03	43	730	5	0.06	2	4	34	<20
CC84492		<1	0.15	10	0.63	561	1	0.05	34	790	5	0.09	<2	4	62	<20
CC84493		<1	0.07	10	0.54	680	1	0.07	22	650	6	0.06	<2	3	40	<20
CC84494		1	0.12	10	0.96	597	1	0.06	53	700	5	0.07	<2	5	50	<20



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Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC84423		0.08	<10	<10	67	<10	60	0.0028	
CC84424		0.11	<10	<10	70	<10	50	0.0069	
CC84425		0.06	<10	<10	57	<10	72	0.0029	
CC84426		0.05	<10	<10	51	<10	62	NSS	
CC84427		0.07	<10	<10	59	<10	62	0.0018	
CC84428		0.06	<10	<10	61	<10	57	NSS	
CC84429		0.06	<10	<10	54	<10	59	0.0022	
CC84430		0.07	<10	<10	67	<10	66	0.0053	
CC84431		0.06	<10	<10	60	<10	86	0.0026	
CC84432		0.07	<10	<10	70	<10	66	NSS	
CC84433		0.06	<10	<10	69	<10	83	0.0078	
CC84434		0.06	<10	<10	52	<10	56	0.0041	
CC84435		0.02	<10	<10	17	<10	29	NSS	
CC84436		0.10	<10	<10	72	<10	33	0.0143	
CC84437		0.02	<10	<10	16	<10	28	NSS	
CC84438		0.07	<10	<10	61	<10	66	NSS	
CC84439		0.09	<10	<10	68	<10	55	0.0053	
CC84440		0.12	<10	<10	78	<10	58	0.0049	
CC84441		0.10	<10	<10	80	<10	75	0.0038	
CC84442		0.03	<10	<10	27	<10	32	NSS	
CC84443		0.21	<10	<10	111	<10	66	0.0044	
CC84444		0.06	<10	<10	50	<10	46	NSS	
CC84445		0.12	<10	<10	105	<10	50	0.0017	
CC84446		0.09	<10	<10	66	<10	53	NSS	
CC84447		0.08	<10	<10	66	<10	54	0.0013	
CC84448		0.07	<10	<10	68	<10	70	NSS	
CC84449		0.04	<10	<10	27	<10	53	NSS	
CC84450		0.06	<10	<10	69	<10	65	NSS	
CC84483		0.06	<10	<10	68	<10	56	0.0022	
CC84484		0.05	<10	<10	52	<10	55	NSS	
CC84485		0.08	<10	<10	71	<10	67	NSS	
CC84486		0.05	<10	<10	48	<10	64	NSS	
CC84487		0.06	<10	<10	54	<10	54	0.0052	
CC84488		0.08	<10	<10	77	<10	66	0.0118	
CC84489		0.08	<10	<10	73	<10	68	NSS	
CC84490		0.05	<10	<10	58	<10	52	NSS	
CC84491		0.06	<10	<10	57	<10	51	NSS	
CC84492		0.07	<10	<10	60	<10	56	NSS	
CC84493		0.08	<10	<10	64	<10	79	NSS	
CC84494		0.11	<10	<10	88	<10	66	NSS	



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CERTIFICATE OF ANALYSIS VA10096398

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC84495		0.08	0.2	2.32	89	<10	180	0.5	<2	1.51	<0.5	17	65	84	3.20	10
CC84496		0.08	<0.2	1.06	10	<10	100	<0.5	<2	0.52	<0.5	8	27	23	2.27	<10
CC84497		0.10	0.2	2.33	56	<10	200	<0.5	<2	1.02	<0.5	18	68	60	3.14	10
CC84498		0.10	0.3	2.10	64	<10	130	<0.5	<2	1.67	<0.5	16	55	74	2.83	10
CC84499		0.10	0.3	2.02	69	<10	130	<0.5	<2	1.39	<0.5	17	65	67	3.46	<10
CC84500		0.10	0.4	1.96	55	<10	150	<0.5	<2	1.30	<0.5	19	54	58	2.98	10
CC84501		0.08	0.2	1.60	18	<10	150	<0.5	<2	1.61	<0.5	16	62	43	2.65	<10
CC84502		0.10	0.2	0.92	8	<10	110	<0.5	<2	0.80	<0.5	8	28	29	2.12	<10
CC84503		0.12	<0.2	1.85	11	<10	250	<0.5	<2	0.52	<0.5	14	44	38	3.01	10
CC84504		0.12	0.3	1.70	151	<10	170	<0.5	<2	0.83	<0.5	21	51	67	3.12	10
CC84505		0.14	0.5	1.97	72	<10	130	<0.5	2	1.58	<0.5	18	57	89	3.02	<10
CC84506		0.10	0.4	1.22	14	<10	90	<0.5	<2	1.09	<0.5	12	28	50	2.29	<10
CC84507		0.10	0.4	1.37	16	<10	120	<0.5	2	0.86	<0.5	17	31	29	2.52	<10
CC84508		0.14	0.2	1.67	18	<10	100	<0.5	<2	0.59	<0.5	13	40	27	3.22	10
CC84509		0.10	0.3	1.05	9	<10	80	<0.5	<2	0.60	<0.5	9	25	23	2.34	<10
CC84510		0.08	0.2	1.48	7	<10	120	<0.5	<2	0.88	<0.5	13	28	26	2.77	<10
CC84511		0.10	0.2	1.49	8	<10	110	<0.5	<2	0.89	<0.5	14	28	26	2.77	<10
CC84512		0.10	<0.2	1.36	6	<10	90	<0.5	<2	0.53	<0.5	7	29	18	2.61	<10
CC84513		0.14	0.2	1.81	13	<10	120	<0.5	<2	0.98	<0.5	15	31	39	3.03	10
CC84514		0.12	<0.2	2.22	13	<10	170	<0.5	<2	0.67	<0.5	18	39	40	3.55	10
CC84515		0.16	<0.2	2.35	12	<10	180	<0.5	<2	0.75	<0.5	18	37	37	3.23	10
CC84516		0.12	<0.2	1.61	13	<10	120	<0.5	2	0.91	<0.5	11	36	29	3.46	10
CC84517		0.08	<0.2	1.58	11	<10	130	<0.5	<2	0.89	<0.5	14	33	28	3.12	10
CC84518		0.08	<0.2	1.31	7	<10	100	<0.5	<2	1.23	<0.5	13	24	27	2.30	<10
CC84519		0.08	0.2	1.85	85	<10	90	<0.5	5	1.64	<0.5	16	49	115	2.90	<10
CC84520		0.08	<0.2	1.12	11	<10	90	<0.5	<2	1.45	<0.5	10	23	33	1.97	<10
CC84900		0.10	<0.2	3.23	253	<10	120	<0.5	2	1.88	<0.5	35	148	259	3.34	10
CC84901		0.16	<0.2	3.24	245	<10	130	<0.5	2	1.25	<0.5	37	119	166	3.57	10
CC84902		0.12	<0.2	1.81	103	<10	90	<0.5	<2	1.56	<0.5	21	61	79	2.63	<10
CC84903		0.14	<0.2	3.60	84	<10	110	<0.5	2	1.23	<0.5	33	158	142	3.72	10
CC84904		0.12	<0.2	3.49	74	<10	140	<0.5	<2	0.99	<0.5	30	124	139	3.82	10
CC84905		0.16	<0.2	4.33	26	<10	140	<0.5	2	1.42	<0.5	24	101	54	3.09	<10
CC84906		0.10	<0.2	1.53	21	<10	100	<0.5	<2	0.82	<0.5	15	39	41	2.72	<10
CC84907		0.16	<0.2	3.72	59	<10	200	<0.5	<2	1.41	<0.5	25	142	69	3.07	10
CC84908		0.12	<0.2	2.26	147	<10	100	<0.5	2	0.95	<0.5	14	96	74	2.67	10
CC84909		0.18	<0.2	4.12	69	<10	130	<0.5	2	1.20	<0.5	28	151	64	3.66	10
CC84910		0.14	<0.2	3.62	33	<10	110	<0.5	<2	1.34	<0.5	21	108	58	3.06	10
CC84911		0.14	<0.2	2.66	41	<10	110	<0.5	<2	1.12	<0.5	18	65	70	3.09	10
CC84912		0.14	0.2	3.11	50	<10	140	<0.5	3	1.05	<0.5	21	91	170	3.43	10
CC84913		0.10	<0.2	3.47	90	<10	120	<0.5	2	1.27	<0.5	25	129	183	3.52	10



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Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC84495		1	0.10	10	0.93	479	<1	0.06	55	730	5	0.09	<2	5	57	<20
CC84496		<1	0.06	10	0.30	241	1	0.05	17	620	4	0.07	<2	2	34	<20
CC84497		<1	0.09	10	0.87	524	1	0.05	55	680	5	0.07	<2	5	48	<20
CC84498		<1	0.07	10	0.87	492	1	0.05	61	880	5	0.11	<2	4	51	<20
CC84499		<1	0.08	10	0.90	520	1	0.06	67	640	4	0.08	<2	4	45	<20
CC84500		1	0.08	10	0.84	484	<1	0.06	76	700	4	0.07	<2	5	53	<20
CC84501		<1	0.07	10	0.85	487	1	0.06	62	760	3	0.09	<2	4	53	<20
CC84502		<1	0.07	10	0.36	319	1	0.06	17	780	2	0.10	<2	2	38	<20
CC84503		<1	0.07	10	0.75	490	1	0.06	30	860	5	0.09	<2	3	34	<20
CC84504		<1	0.12	10	0.68	476	1	0.07	30	750	5	0.07	<2	4	38	<20
CC84505		1	0.08	10	0.98	488	<1	0.05	63	690	6	0.07	<2	6	59	<20
CC84506		1	0.07	10	0.45	630	1	0.05	20	760	4	0.10	<2	2	47	<20
CC84507		<1	0.08	10	0.46	892	1	0.06	20	830	5	0.08	<2	3	46	<20
CC84508		<1	0.06	<10	0.67	359	1	0.05	26	340	6	0.02	<2	3	37	<20
CC84509		<1	0.05	<10	0.37	358	1	0.06	14	510	5	0.05	<2	2	34	<20
CC84510		<1	0.06	10	0.57	483	1	0.07	20	700	4	0.07	<2	2	56	<20
CC84511		<1	0.07	10	0.50	629	1	0.06	20	760	5	0.08	<2	2	44	<20
CC84512		<1	0.06	10	0.49	178	1	0.05	14	610	6	0.06	<2	2	35	<20
CC84513		<1	0.06	<10	0.88	464	<1	0.06	28	570	4	0.05	<2	4	56	<20
CC84514		1	0.07	10	0.78	738	<1	0.07	38	710	7	0.07	<2	4	47	<20
CC84515		<1	0.07	10	0.92	622	<1	0.06	36	580	3	0.05	<2	4	52	<20
CC84516		<1	0.07	10	0.60	407	1	0.05	22	870	6	0.10	<2	3	46	<20
CC84517		<1	0.08	10	0.58	528	<1	0.06	20	900	4	0.11	<2	3	44	<20
CC84518		<1	0.07	10	0.53	482	<1	0.06	20	930	3	0.13	2	2	56	<20
CC84519		<1	0.08	10	0.90	521	<1	0.05	91	930	4	0.14	5	5	47	<20
CC84520		<1	0.05	10	0.41	382	<1	0.07	22	950	3	0.16	3	2	48	<20
CC84900		<1	0.16	10	2.10	374	<1	0.05	108	660	2	0.12	5	6	58	<20
CC84901		<1	0.10	10	1.77	456	<1	0.07	79	670	3	0.09	3	6	62	<20
CC84902		<1	0.08	10	0.94	579	<1	0.06	70	920	3	0.16	2	3	43	<20
CC84903		1	0.11	10	2.74	490	<1	0.07	149	640	4	0.08	4	6	51	<20
CC84904		<1	0.09	10	2.16	570	<1	0.06	99	730	4	0.08	<2	6	47	<20
CC84905		<1	0.11	10	2.02	475	<1	0.09	89	460	<2	0.04	<2	5	133	<20
CC84906		<1	0.07	10	0.70	460	<1	0.07	29	660	3	0.12	<2	3	44	<20
CC84907		1	0.12	<10	2.11	433	<1	0.12	72	330	<2	0.04	3	8	167	<20
CC84908		<1	0.09	10	1.09	257	<1	0.06	43	590	2	0.12	<2	4	86	<20
CC84909		<1	0.14	<10	2.61	452	<1	0.08	90	180	2	0.02	4	10	81	<20
CC84910		<1	0.09	10	1.86	470	<1	0.10	73	370	2	0.05	<2	5	92	<20
CC84911		<1	0.06	10	1.38	519	<1	0.06	63	830	3	0.12	3	5	47	<20
CC84912		1	0.08	10	1.33	387	<1	0.09	64	690	4	0.07	4	6	60	<20
CC84913		1	0.09	10	1.83	387	<1	0.07	80	540	3	0.06	5	9	51	<20



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Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC84495		0.08	<10	<10	73	<10	55	NSS	
CC84496		0.06	<10	<10	53	<10	32	NSS	
CC84497		0.09	<10	<10	74	<10	57	NSS	
CC84498		0.06	<10	<10	64	<10	66	NSS	
CC84499		0.08	<10	<10	69	<10	57	NSS	
CC84500		0.09	<10	<10	73	<10	58	NSS	
CC84501		0.09	<10	<10	66	<10	40	NSS	
CC84502		0.06	<10	<10	54	<10	42	NSS	
CC84503		0.09	<10	<10	71	<10	66	0.0042	
CC84504		0.10	<10	<10	76	<10	43	NSS	
CC84505		0.07	<10	<10	74	<10	57	0.0048	
CC84506		0.06	<10	<10	51	<10	43	0.0020	
CC84507		0.07	<10	<10	53	<10	33	0.0017	
CC84508		0.11	<10	<10	87	<10	45	0.0010	
CC84509		0.07	<10	<10	60	<10	33	0.0015	
CC84510		0.06	<10	<10	64	<10	59	NSS	
CC84511		0.07	<10	<10	57	<10	60	NSS	
CC84512		0.07	<10	<10	62	<10	45	NSS	
CC84513		0.08	<10	<10	73	<10	51	0.0028	
CC84514		0.09	<10	<10	84	<10	74	0.0030	
CC84515		0.09	<10	<10	82	<10	52	0.0035	
CC84516		0.08	<10	<10	81	<10	72	NSS	
CC84517		0.07	<10	<10	73	<10	90	NSS	
CC84518		0.05	<10	<10	51	<10	60	NSS	
CC84519		0.05	<10	<10	67	<10	57	NSS	
CC84520		0.04	<10	<10	42	<10	43	NSS	
CC84900		0.06	<10	<10	62	<10	50	NSS	
CC84901		0.07	<10	<10	68	<10	55	0.0382	
CC84902		0.05	<10	<10	54	<10	58	NSS	
CC84903		0.06	<10	<10	61	<10	52	0.0104	
CC84904		0.06	<10	<10	71	<10	69	NSS	
CC84905		0.04	<10	<10	54	<10	46	0.0014	
CC84906		0.06	<10	<10	56	<10	61	0.0022	
CC84907		0.03	<10	<10	61	<10	39	0.0021	
CC84908		0.06	<10	<10	59	<10	45	NSS	
CC84909		0.05	<10	<10	67	<10	33	0.0047	
CC84910		0.04	<10	<10	49	<10	42	0.0022	
CC84911		0.04	<10	<10	57	<10	56	0.0090	
CC84912		0.07	<10	<10	68	<10	57	0.0147	
CC84913		0.04	<10	<10	64	<10	56	0.0302	



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC84914		0.12	<0.2	3.02	73	<10	150	0.5	<2	1.10	<0.5	20	62	88	3.62	10
CC84915		0.16	1.0	2.86	154	<10	180	<0.5	2	1.00	0.8	29	66	416	3.88	10
CC84916		0.12	<0.2	1.39	53	<10	110	<0.5	<2	1.77	<0.5	14	33	55	2.24	<10
CC84917		0.14	4.9	3.49	660	<10	110	<0.5	9	1.18	1.7	61	131	989	4.04	10
CC84918		0.12	<0.2	2.13	39	<10	90	<0.5	<2	0.84	<0.5	20	78	90	3.48	10
CC84919		0.16	<0.2	2.66	60	<10	230	<0.5	<2	0.93	<0.5	14	83	51	3.23	10
CC84920		0.12	<0.2	1.93	120	<10	200	0.5	<2	0.98	<0.5	27	59	74	3.08	10
CC84921		0.14	<0.2	2.70	102	<10	230	0.6	3	1.35	<0.5	21	99	46	3.57	10
CC84922		0.16	<0.2	4.13	252	<10	70	0.6	<2	1.93	<0.5	91	124	204	5.51	10
CC84923		0.16	<0.2	1.66	135	<10	170	1.3	2	0.56	<0.5	31	19	188	3.73	10
CC84924		0.16	<0.2	1.45	45	<10	210	0.7	3	0.51	<0.5	26	24	95	3.10	<10
CC84925		0.26	<0.2	1.12	5	<10	170	0.5	<2	0.19	<0.5	16	27	13	2.15	<10
CC84926		0.14	<0.2	1.80	44	<10	220	0.5	<2	0.55	<0.5	17	40	71	3.07	10
CC84927		0.10	<0.2	1.54	22	<10	210	0.5	2	1.08	<0.5	12	42	41	2.47	10
CC84928		0.10	<0.2	1.25	12	<10	210	<0.5	<2	1.16	<0.5	13	31	35	2.33	<10
CC84929		0.12	<0.2	2.11	54	<10	230	0.5	3	0.72	<0.5	18	115	60	3.13	10
CC84930		0.12	<0.2	2.34	15	<10	140	0.6	3	0.51	<0.5	19	167	50	3.04	10
CC84931		0.14	<0.2	2.69	23	<10	160	0.5	3	0.53	<0.5	24	261	49	3.38	10
CC84932		0.14	0.2	2.14	23	<10	210	0.6	5	0.69	<0.5	18	115	110	3.18	10
CC84933		0.12	<0.2	2.04	13	<10	250	0.7	4	0.97	<0.5	19	40	52	3.26	10
CC84934		0.16	<0.2	1.74	12	<10	210	<0.5	5	0.47	<0.5	17	39	34	3.20	10
CC84935		0.10	<0.2	2.16	15	<10	180	0.5	3	0.52	<0.5	17	39	32	3.51	10
CC84936		0.18	<0.2	0.92	157	<10	100	0.6	3	0.15	<0.5	12	23	248	1.57	<10
CC84937		0.12	0.3	2.09	38	<10	330	<0.5	3	1.08	<0.5	19	57	73	3.00	10
CC84938		0.16	<0.2	2.63	31	<10	410	0.6	4	0.60	<0.5	22	58	64	3.74	10
CC84939		0.16	<0.2	2.83	36	<10	300	0.5	3	0.63	<0.5	25	95	58	3.60	10
CC84940		0.12	<0.2	3.42	135	<10	230	0.8	5	0.72	<0.5	30	125	102	4.24	10
CC84941		0.16	0.4	2.66	237	<10	290	0.6	4	0.87	<0.5	46	93	162	3.41	10
CC84942		0.14	<0.2	2.05	34	<10	160	<0.5	5	1.38	<0.5	19	74	62	3.30	10
CC84943		0.18	2.4	3.67	1130	<10	110	<0.5	19	1.15	1.2	117	217	978	4.96	10
CC84944		0.08	0.3	3.14	615	<10	140	<0.5	11	0.92	<0.5	44	181	137	4.36	10
CC84945		0.12	0.2	1.48	45	<10	90	<0.5	5	0.67	<0.5	14	37	46	2.66	10
CC84804		0.06	0.2	2.15	218	<10	150	<0.5	5	1.49	<0.5	21	56	81	2.85	10
CC84805		0.12	0.4	2.30	136	<10	120	<0.5	5	0.61	<0.5	28	89	104	3.31	10
CC84806		0.08	0.4	3.09	277	<10	180	<0.5	5	1.10	<0.5	30	87	131	3.88	10
CC84807		0.12	0.2	2.41	93	<10	140	<0.5	4	0.58	<0.5	22	44	46	3.87	10
CC84808		0.08	0.5	2.91	73	<10	130	<0.5	5	1.41	<0.5	22	64	109	3.70	10
CC84809		0.08	0.8	2.22	39	<10	100	<0.5	4	1.47	0.6	19	60	139	2.76	<10
CC84810		0.10	<0.2	1.57	11	<10	110	<0.5	5	0.78	<0.5	15	36	30	2.86	<10
CC84811		0.08	0.4	1.98	11	<10	120	<0.5	4	0.75	0.7	14	37	115	1.73	<10



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Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC84914		1	0.07	10	1.10	566	<1	0.06	85	830	4	0.08	3	6	55	<20
CC84915		<1	0.07	10	1.13	588	<1	0.06	50	700	5	0.06	2	10	92	<20
CC84916		<1	0.06	10	0.65	354	<1	0.06	31	1160	2	0.16	<2	3	64	<20
CC84917		1	0.13	10	2.03	493	<1	0.07	89	660	5	0.11	5	7	53	<20
CC84918		1	0.07	10	1.25	508	<1	0.06	62	620	4	0.09	3	5	42	<20
CC84919		<1	0.07	10	1.23	307	<1	0.08	38	640	2	0.06	3	6	203	<20
CC84920		<1	0.12	10	0.91	490	<1	0.06	48	970	5	0.11	3	4	69	<20
CC84921		<1	0.09	10	1.86	688	<1	0.07	50	740	9	0.10	4	9	88	<20
CC84922		<1	0.25	<10	2.94	642	<1	0.03	96	790	<2	0.03	5	19	16	<20
CC84923		<1	0.17	20	1.74	1985	<1	0.02	56	310	3	0.02	23	3	11	<20
CC84924		<1	0.18	10	0.67	804	<1	0.03	33	650	2	0.06	5	3	26	<20
CC84925		<1	0.16	10	0.67	895	<1	0.01	33	280	<2	0.01	<2	2	14	<20
CC84926		<1	0.14	10	0.83	749	<1	0.04	37	580	2	0.04	2	4	26	<20
CC84927		<1	0.08	10	0.65	658	<1	0.05	32	960	3	0.12	<2	3	44	<20
CC84928		<1	0.08	10	0.53	736	1	0.06	27	1220	3	0.16	<2	2	58	<20
CC84929		1	0.18	10	1.31	562	2	0.04	91	570	6	0.04	<2	5	34	<20
CC84930		<1	0.14	10	1.55	386	1	0.03	110	590	5	0.04	<2	5	32	<20
CC84931		<1	0.15	10	2.26	483	1	0.03	178	580	4	0.04	<2	5	28	<20
CC84932		<1	0.15	10	1.20	407	2	0.06	74	940	4	0.13	<2	4	45	<20
CC84933		<1	0.10	20	0.74	899	2	0.04	31	1310	6	0.12	<2	3	51	<20
CC84934		1	0.11	10	0.65	823	2	0.03	27	690	4	0.05	<2	3	32	<20
CC84935		1	0.07	10	0.70	761	2	0.05	28	790	7	0.08	<2	3	39	<20
CC84936		<1	0.08	10	0.62	164	2	<0.01	41	230	4	<0.01	8	2	5	<20
CC84937		<1	0.06	10	1.14	509	1	0.08	34	730	4	0.07	<2	5	58	<20
CC84938		<1	0.17	10	1.13	666	2	0.04	52	620	7	0.05	<2	4	49	<20
CC84939		<1	0.27	10	1.51	455	1	0.05	83	440	5	0.03	<2	6	37	<20
CC84940		<1	0.10	10	2.09	765	1	0.03	72	510	3	0.02	2	10	51	<20
CC84941		1	0.20	10	1.67	433	1	0.05	60	490	3	0.01	<2	8	71	<20
CC84942		<1	0.12	<10	1.18	488	1	0.07	33	750	3	0.08	<2	7	47	<20
CC84943		1	0.20	10	2.48	434	1	0.08	144	360	5	0.07	5	9	51	<20
CC84944		1	0.10	10	2.29	582	1	0.07	194	430	6	0.06	<2	8	51	<20
CC84945		<1	0.08	10	0.49	592	1	0.07	24	420	4	0.04	<2	3	41	<20
CC84804		<1	0.07	10	0.91	556	1	0.05	89	930	4	0.11	<2	3	56	<20
CC84805		<1	0.07	10	1.13	903	2	0.06	66	610	5	0.07	<2	3	41	<20
CC84806		1	0.12	10	1.42	500	1	0.07	92	570	6	0.05	<2	7	68	<20
CC84807		<1	0.07	10	0.89	654	2	0.05	35	510	8	0.03	<2	5	34	<20
CC84808		<1	0.08	10	1.00	659	1	0.06	46	890	6	0.10	<2	9	58	<20
CC84809		<1	0.08	10	0.83	530	1	0.05	40	830	6	0.14	<2	4	54	<20
CC84810		<1	0.07	10	0.64	516	2	0.08	24	620	4	0.09	<2	3	47	<20
CC84811		<1	0.05	10	0.58	421	1	0.06	30	1070	5	0.18	<2	4	42	<20



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Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC84914		0.07	<10	<10	82	<10	70	0.0139	
CC84915		0.06	<10	<10	107	<10	63	NSS	
CC84916		0.04	<10	<10	56	<10	40	NSS	
CC84917		0.07	<10	<10	96	<10	90	NSS	
CC84918		0.08	<10	<10	93	<10	59	NSS	
CC84919		0.10	<10	<10	90	<10	30	0.0035	
CC84920		0.09	<10	<10	82	<10	43	0.0051	
CC84921		0.11	<10	<10	93	<10	50	0.0227	
CC84922		0.53	<10	<10	238	<10	29	0.0045	
CC84923		0.03	<10	<10	35	<10	38	0.0088	
CC84924		0.06	<10	<10	44	<10	41	0.0035	
CC84925		0.07	<10	<10	38	<10	38	0.0012	
CC84926		0.09	<10	<10	63	<10	49	0.0036	
CC84927		0.06	<10	<10	59	<10	43	NSS	
CC84928		0.05	<10	<10	53	<10	55	NSS	
CC84929		0.10	<10	<10	74	<10	59	0.0021	
CC84930		0.08	<10	<10	67	<10	63	0.0022	
CC84931		0.11	<10	<10	80	<10	55	0.0031	
CC84932		0.09	<10	<10	75	<10	52	NSS	
CC84933		0.06	<10	<10	71	<10	70	0.0021	
CC84934		0.08	<10	<10	69	<10	60	0.0017	
CC84935		0.08	<10	<10	78	<10	73	0.0018	
CC84936		<0.01	<10	<10	21	<10	17	0.0020	
CC84937		0.12	<10	<10	82	<10	52	0.0024	
CC84938		0.11	<10	<10	93	<10	65	0.0027	
CC84939		0.18	<10	<10	109	<10	50	0.0033	
CC84940		0.06	<10	<10	127	<10	35	0.0027	
CC84941		0.14	<10	<10	112	<10	24	0.0058	
CC84942		0.17	<10	<10	105	<10	46	0.0036	
CC84943		0.11	<10	<10	110	<10	66	>0.1000	0.31
CC84944		0.17	<10	<10	104	<10	54	NSS	
CC84945		0.08	<10	<10	61	<10	59	0.0099	
CC84804		0.06	<10	<10	64	<10	64	NSS	
CC84805		0.08	<10	<10	82	<10	45	NSS	
CC84806		0.12	<10	<10	94	<10	57	0.0159	
CC84807		0.09	<10	<10	101	<10	56	0.0040	
CC84808		0.05	<10	<10	100	<10	64	NSS	
CC84809		0.05	<10	<10	54	<10	62	NSS	
CC84810		0.08	<10	<10	63	<10	63	0.0029	
CC84811		0.06	<10	<10	51	<10	47	NSS	



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC84812		0.18	0.3	3.97	77	<10	150	0.5	4	1.02	<0.5	34	109	105	3.81	10
CC84813		0.14	<0.2	1.94	37	<10	300	<0.5	3	0.74	<0.5	14	49	53	2.74	10
CC84814		0.10	0.2	2.52	43	<10	160	<0.5	5	1.26	<0.5	21	66	54	3.13	10
CC84815		0.10	0.2	2.67	288	<10	180	<0.5	5	1.13	<0.5	29	90	71	3.48	10
CC84816		0.14	0.2	3.45	502	<10	190	1.3	4	1.10	<0.5	48	140	219	7.26	10
CC84817		0.12	0.3	2.55	122	<10	180	0.5	4	0.94	<0.5	30	58	70	3.66	10
CC84818		0.08	0.2	2.64	37	<10	200	0.5	4	0.83	<0.5	20	68	63	3.59	10
CC84819		0.10	<0.2	2.68	47	<10	230	0.6	3	0.77	<0.5	19	51	48	3.96	10
CC84820		0.10	<0.2	2.79	4310	<10	150	0.9	8	0.67	<0.5	473	341	156	3.50	10
CC84821		0.14	<0.2	2.59	87	<10	160	0.7	5	0.47	<0.5	23	269	55	3.00	10
CC84822		0.20	<0.2	3.25	53	<10	350	0.7	5	0.46	<0.5	24	292	78	3.73	10
CC84823		0.06	<0.2	1.77	17	<10	270	0.5	<2	1.06	<0.5	20	54	55	2.69	<10
CC84824		0.08	0.3	1.79	18	<10	330	0.6	<2	1.08	1.2	45	62	85	2.84	<10
CC84825		0.16	<0.2	2.23	21	<10	160	0.5	<2	0.41	<0.5	17	115	41	3.15	10
CC84826		0.14	<0.2	2.12	10	<10	130	0.7	<2	0.36	<0.5	15	46	35	3.86	10
CC84827		0.12	0.2	2.08	49	<10	150	0.9	<2	0.41	<0.5	14	38	40	3.39	<10
CC84828		0.08	0.5	1.36	8	<10	200	<0.5	<2	1.25	<0.5	12	40	49	2.35	<10
CC84829		0.24	<0.2	2.32	60	<10	140	0.5	<2	0.35	<0.5	19	175	64	2.96	10
CC84872		0.12	<0.2	1.91	49	<10	130	0.5	<2	0.31	<0.5	15	93	44	3.05	10
CC84873		0.26	<0.2	2.61	85	<10	160	0.5	<2	0.45	<0.5	23	317	86	3.33	10
CC84874		0.10	<0.2	1.56	10	<10	140	<0.5	<2	0.55	<0.5	13	43	22	2.96	<10
CC84875		0.16	<0.2	1.99	75	<10	130	0.6	<2	0.28	<0.5	18	62	38	3.31	10
CC84876		0.12	<0.2	2.10	205	<10	210	0.5	<2	0.40	<0.5	27	113	51	2.89	10
CC84877		0.10	<0.2	1.66	39	<10	170	<0.5	<2	0.62	<0.5	13	90	27	2.45	10
CC84878		0.08	<0.2	2.85	214	<10	320	0.5	<2	1.02	<0.5	31	74	89	4.08	10
CC84879		0.14	<0.2	2.31	174	<10	170	0.5	<2	0.34	<0.5	20	53	46	3.45	<10
CC84880		0.06	<0.2	1.38	24	<10	110	<0.5	<2	0.76	<0.5	12	42	30	2.80	<10
CC84881		0.12	<0.2	2.21	36	<10	180	0.5	<2	0.79	<0.5	23	143	45	3.27	10
CC84882		0.14	<0.2	3.20	62	<10	240	<0.5	<2	0.81	<0.5	32	410	68	3.56	10
CC84883		0.14	<0.2	1.95	92	<10	230	0.6	<2	0.57	<0.5	20	41	50	3.55	10
CC84884		0.12	<0.2	2.30	133	<10	250	0.6	2	0.66	<0.5	20	50	133	3.50	10
CC84751		0.20	<0.2	1.42	53	<10	310	0.7	<2	0.30	<0.5	14	28	56	2.24	10
CC84752		0.12	<0.2	1.48	42	<10	200	0.5	<2	0.76	<0.5	15	31	35	2.64	<10
CC84753		0.12	<0.2	1.93	42	<10	320	0.8	<2	1.28	<0.5	19	36	163	2.89	10
CC84754		0.16	<0.2	1.44	60	<10	290	0.5	<2	0.39	<0.5	15	24	94	2.43	<10
CC84755		0.14	<0.2	2.34	32	<10	210	0.6	<2	1.04	<0.5	23	59	115	3.64	<10
CC84756		0.12	<0.2	1.83	17	<10	130	<0.5	<2	0.87	<0.5	15	47	50	3.30	<10
CC84757		0.18	<0.2	2.54	20	<10	180	<0.5	<2	1.32	<0.5	25	80	109	4.00	10
CC84758		0.12	<0.2	2.03	12	<10	120	<0.5	<2	0.92	<0.5	17	57	51	3.38	<10
CC84759		0.10	<0.2	1.44	9	<10	110	<0.5	<2	0.69	<0.5	12	30	42	3.14	<10



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Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC84812		1	0.09	<10	1.84	793	1	0.08	76	160	4	0.01	<2	16	106	<20
CC84813		<1	0.23	10	0.86	484	1	0.06	33	430	2	0.02	<2	5	27	<20
CC84814		<1	0.10	<10	1.03	486	1	0.09	47	550	5	0.05	<2	5	119	<20
CC84815		1	0.08	<10	1.44	510	1	0.09	54	620	4	0.05	<2	8	76	<20
CC84816		1	0.11	<10	1.40	933	1	0.09	84	510	4	0.06	9	23	50	<20
CC84817		<1	0.10	10	1.11	608	1	0.07	43	800	6	0.08	<2	5	54	<20
CC84818		<1	0.11	10	1.03	627	2	0.08	37	830	5	0.07	<2	5	59	<20
CC84819		<1	0.12	10	1.07	670	1	0.07	35	790	5	0.06	<2	5	44	<20
CC84820		<1	0.13	10	3.05	248	1	0.02	292	620	4	0.02	9	8	32	<20
CC84821		1	0.31	10	2.61	453	1	0.02	200	460	3	0.01	<2	6	47	<20
CC84822		<1	0.62	10	2.66	342	1	0.03	180	520	2	0.02	<2	9	57	<20
CC84823		1	0.11	20	0.75	1340	2	0.06	54	1240	11	0.15	<2	3	61	<20
CC84824		<1	0.10	20	0.75	3610	4	0.07	57	1440	7	0.18	2	4	64	<20
CC84825		<1	0.13	10	1.33	712	1	0.03	68	550	5	0.02	4	5	29	<20
CC84826		<1	0.15	10	0.76	620	2	0.02	30	600	9	0.03	6	3	24	<20
CC84827		1	0.16	20	0.68	577	1	0.02	31	600	8	0.03	5	4	26	<20
CC84828		<1	0.08	20	0.54	791	2	0.07	32	1190	5	0.15	2	2	69	<20
CC84829		<1	0.19	10	1.78	246	1	0.02	123	580	4	0.01	5	6	32	<20
CC84872		<1	0.13	10	1.05	408	1	0.02	58	640	6	0.02	3	4	25	<20
CC84873		<1	0.29	10	2.58	189	1	0.02	195	540	4	<0.01	4	7	39	<20
CC84874		1	0.16	10	0.57	571	1	0.06	21	660	8	0.05	<2	3	36	<20
CC84875		1	0.22	20	0.89	431	1	0.02	56	520	7	0.02	4	4	21	<20
CC84876		1	0.12	10	1.31	486	1	0.02	77	460	6	0.01	4	4	24	<20
CC84877		<1	0.12	10	1.06	342	1	0.05	59	630	6	0.05	<2	3	34	<20
CC84878		<1	0.09	10	1.42	533	1	0.09	46	740	5	0.05	6	7	69	<20
CC84879		<1	0.17	10	1.00	480	1	0.02	44	560	6	0.02	2	4	26	<20
CC84880		1	0.09	10	0.62	495	1	0.08	20	710	6	0.08	<2	3	45	<20
CC84881		1	0.13	10	1.31	499	1	0.06	101	660	6	0.07	2	4	57	<20
CC84882		<1	0.41	10	3.28	323	1	0.05	278	560	3	0.11	3	6	38	<20
CC84883		<1	0.17	10	0.74	661	2	0.04	44	740	6	0.04	4	4	42	<20
CC84884		1	0.23	10	1.16	468	1	0.05	51	550	4	0.03	4	6	63	<20
CC84751		<1	0.22	10	0.94	761	2	0.01	31	300	7	<0.01	3	3	78	<20
CC84752		<1	0.11	10	0.68	611	1	0.05	21	630	7	0.05	<2	3	74	<20
CC84753		1	0.10	30	0.78	702	2	0.04	38	830	6	0.10	4	3	60	<20
CC84754		1	0.26	10	0.74	628	1	0.02	34	330	5	0.04	5	3	38	<20
CC84755		1	0.12	10	1.09	718	1	0.05	44	770	5	0.07	5	5	56	<20
CC84756		1	0.09	10	0.82	541	1	0.07	26	710	7	0.07	2	4	44	<20
CC84757		1	0.13	10	1.51	701	<1	0.07	43	660	5	0.03	3	8	54	<20
CC84758		<1	0.10	10	0.97	597	1	0.06	34	780	6	0.07	3	3	41	<20
CC84759		1	0.08	10	0.56	439	1	0.07	19	670	6	0.08	<2	3	40	<20



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Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC84812		0.02	<10	<10	77	<10	44	0.0045	
CC84813		0.14	<10	<10	75	<10	42	0.0026	
CC84814		0.13	<10	<10	82	<10	47	0.0050	
CC84815		0.13	<10	<10	103	<10	36	NSS	
CC84816		0.13	<10	<10	160	<10	37	0.0094	
CC84817		0.13	<10	<10	95	<10	60	0.0020	
CC84818		0.12	<10	<10	93	<10	64	0.0020	
CC84819		0.13	<10	<10	103	<10	67	0.0047	
CC84820		0.09	<10	<10	91	<10	19	>0.1000	0.35
CC84821		0.11	<10	<10	82	<10	28	0.0041	
CC84822		0.17	<10	<10	110	<10	26	0.0031	
CC84823		0.07	<10	<10	57	<10	57	0.0022	
CC84824		0.06	<10	<10	52	<10	55	0.0038	
CC84825		0.10	<10	<10	72	<10	35	0.0011	
CC84826		0.08	<10	<10	68	<10	61	0.0010	
CC84827		0.06	<10	<10	51	<10	51	0.0019	
CC84828		0.05	<10	<10	47	<10	71	0.0014	
CC84829		0.13	<10	<10	82	<10	33	0.0074	
CC84872		0.09	<10	<10	66	<10	39	0.0443	
CC84873		0.17	<10	<10	90	<10	30	0.0064	
CC84874		0.08	<10	<10	61	<10	54	0.0016	
CC84875		0.07	<10	<10	59	<10	48	0.0130	
CC84876		0.09	<10	<10	66	<10	39	0.0468	
CC84877		0.09	<10	<10	64	<10	41	0.0030	
CC84878		0.10	<10	<10	88	<10	50	0.0060	
CC84879		0.09	<10	<10	76	<10	42	0.0013	
CC84880		0.08	<10	<10	59	<10	62	0.0011	
CC84881		0.11	<10	<10	74	<10	60	0.0023	
CC84882		0.17	<10	<10	101	<10	41	0.0037	
CC84883		0.09	<10	<10	86	<10	50	0.0092	
CC84884		0.15	<10	<10	79	<10	33	0.0117	
CC84751		0.06	<10	<10	37	<10	30	0.0046	
CC84752		0.08	<10	<10	59	<10	46	0.0043	
CC84753		0.07	<10	<10	59	<10	55	0.0053	
CC84754		0.06	<10	<10	47	<10	32	0.0037	
CC84755		0.11	<10	<10	81	<10	58	0.0067	
CC84756		0.11	<10	<10	73	<10	66	0.0027	
CC84757		0.22	<10	<10	104	<10	47	0.0020	
CC84758		0.11	<10	<10	75	<10	71	0.0030	
CC84759		0.10	<10	<10	67	<10	70	0.0023	



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Project: Tarsis White River

CERTIFICATE OF ANALYSIS VA10096398

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC84760		0.14	<0.2	1.94	10	<10	220	<0.5	<2	0.69	<0.5	14	46	36	3.52	10
CC84761		0.12	<0.2	1.30	11	<10	120	<0.5	<2	1.40	<0.5	11	26	33	2.36	<10
CC84762		0.10	<0.2	1.65	10	<10	150	<0.5	<2	1.13	<0.5	15	33	31	2.94	<10
CC84763		0.12	<0.2	1.15	6	<10	150	<0.5	<2	1.73	<0.5	11	22	33	1.96	<10
CC84764		0.16	<0.2	2.11	66	<10	200	0.7	<2	0.46	<0.5	22	54	136	3.79	10
CC84765		0.18	<0.2	2.94	65	<10	210	0.6	<2	0.93	<0.5	26	123	108	4.76	10
CC84766		0.18	<0.2	2.34	38	<10	180	0.5	<2	1.00	<0.5	20	89	82	3.86	10
CC84767		0.12	<0.2	1.34	17	<10	140	0.5	<2	1.54	<0.5	11	34	58	2.42	<10
CC84768		0.10	0.8	3.07	609	<10	210	0.8	10	1.22	<0.5	30	73	168	4.67	10
CC84769		0.12	0.3	1.27	25	<10	110	0.5	<2	1.53	<0.5	12	27	38	2.27	<10
CC84770		0.12	<0.2	1.79	23	<10	190	<0.5	<2	0.71	<0.5	15	44	41	3.19	10
CC84771		0.12	<0.2	1.66	25	<10	130	<0.5	<2	0.76	<0.5	16	35	37	2.84	10
CC84772		0.12	0.4	1.50	15	<10	120	<0.5	<2	0.60	<0.5	15	28	30	2.85	<10
CC84773		0.14	<0.2	2.42	44	<10	460	0.5	<2	0.97	<0.5	24	82	125	3.77	10
CC84774		0.10	<0.2	1.47	13	<10	140	<0.5	<2	0.88	0.5	14	32	32	2.80	10
CC84775		0.12	<0.2	2.19	31	<10	110	<0.5	2	1.02	<0.5	17	57	87	4.19	10
CC84776		0.10	<0.2	2.14	93	<10	110	0.9	<2	1.10	<0.5	21	57	140	3.85	10
CC84777		0.18	<0.2	2.57	361	<10	250	0.5	3	1.09	<0.5	51	98	102	4.37	10
CC84778		0.14	0.2	2.34	254	<10	230	0.9	2	0.85	<0.5	38	56	135	4.35	10
CC84779		0.10	0.5	3.07	517	<10	250	1.1	2	1.25	<0.5	38	73	258	4.57	10
CC84780		0.10	1.4	2.93	692	<10	140	<0.5	11	1.71	0.6	42	135	431	4.19	10
CC84781		0.12	0.6	2.87	428	<10	190	<0.5	3	1.11	<0.5	33	111	170	3.75	10
CC84984		0.14	<0.2	2.14	40	<10	100	<0.5	<2	0.82	<0.5	19	40	42	4.12	10
CC84985		0.14	<0.2	4.23	849	<10	170	0.5	<2	0.96	<0.5	96	238	605	8.39	10
CC84986		0.12	<0.2	4.59	45	<10	150	<0.5	<2	1.87	<0.5	22	79	70	3.07	10
CC84987		0.16	<0.2	3.86	63	<10	150	<0.5	<2	0.99	<0.5	26	120	55	3.58	10
CC84988		0.12	0.5	2.84	67	<10	120	0.5	2	1.31	<0.5	27	91	137	3.77	10
CC84989		0.12	0.2	2.34	18	<10	160	<0.5	<2	0.92	<0.5	12	72	48	2.71	<10
CC84990		0.12	<0.2	3.86	24	<10	150	<0.5	<2	1.19	<0.5	25	129	81	3.75	10
CC84991		0.12	0.2	2.10	14	<10	130	<0.5	<2	0.73	<0.5	18	43	45	3.46	<10
CC84992		0.14	<0.2	2.26	25	<10	140	<0.5	<2	0.80	<0.5	19	52	49	3.57	10
CC84993		0.12	0.4	3.86	171	<10	130	<0.5	<2	1.61	<0.5	30	141	229	3.55	10
CC84994		0.14	0.9	2.61	299	<10	100	<0.5	2	1.01	0.5	56	115	264	3.35	10
CC84995		0.14	0.3	4.09	384	<10	70	<0.5	4	1.28	<0.5	46	275	156	4.44	10
CC84996		0.16	0.2	2.97	321	<10	100	<0.5	2	0.89	<0.5	43	283	133	4.21	10
CC84997		0.16	0.8	2.59	470	<10	140	<0.5	3	0.95	<0.5	54	135	371	4.30	10
CC84998		0.10	0.3	1.92	125	<10	280	0.6	2	0.71	<0.5	20	39	136	3.15	10
CC84999		0.14	<0.2	1.85	220	<10	280	0.7	<2	0.59	<0.5	22	43	78	3.04	<10
CC85000		0.14	<0.2	1.33	109	<10	120	<0.5	<2	0.40	<0.5	19	27	85	3.08	10



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CERTIFICATE OF ANALYSIS VA10096398

Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC84760		1	0.11	10	0.86	485	1	0.05	29	730	7	0.08	2	4	45	<20
CC84761		<1	0.06	10	0.50	487	1	0.05	20	870	6	0.12	<2	2	55	<20
CC84762		<1	0.08	10	0.67	615	1	0.07	23	770	7	0.10	2	3	56	<20
CC84763		<1	0.06	10	0.46	473	1	0.05	17	1060	5	0.15	<2	2	67	<20
CC84764		1	0.40	20	1.01	271	2	0.04	31	600	4	0.19	6	4	45	<20
CC84765		<1	0.25	10	2.22	592	<1	0.05	80	630	5	0.05	13	9	50	<20
CC84766		1	0.27	10	1.42	435	<1	0.08	60	450	3	0.01	6	8	33	<20
CC84767		1	0.09	10	0.61	518	2	0.05	34	1010	8	0.14	2	2	57	<20
CC84768		<1	0.10	10	1.27	942	1	0.05	55	1130	10	0.11	4	7	56	<20
CC84769		1	0.06	10	0.49	582	1	0.06	22	840	5	0.15	3	2	53	<20
CC84770		1	0.10	10	0.81	535	1	0.07	28	680	7	0.07	2	4	47	<20
CC84771		1	0.06	10	0.56	597	1	0.07	21	660	6	0.07	<2	3	43	<20
CC84772		<1	0.08	10	0.58	667	1	0.05	24	730	7	0.07	3	2	35	<20
CC84773		<1	0.34	10	1.32	461	1	0.07	52	560	4	0.05	2	6	43	<20
CC84774		1	0.10	10	0.60	548	1	0.06	21	780	6	0.10	<2	3	48	<20
CC84775		1	0.18	10	1.11	540	1	0.06	30	660	6	0.06	3	5	67	<20
CC84776		1	0.12	10	1.06	622	1	0.06	34	870	9	0.10	3	5	57	<20
CC84777		<1	0.20	<10	1.85	834	1	0.08	51	530	4	0.04	5	9	48	<20
CC84778		<1	0.10	10	0.96	732	2	0.06	42	1010	8	0.13	5	5	62	<20
CC84779		<1	0.12	10	1.56	890	1	0.04	61	920	14	0.08	6	7	84	<20
CC84780		1	0.14	10	2.06	527	1	0.06	145	780	5	0.12	8	8	63	<20
CC84781		1	0.14	10	1.75	378	<1	0.06	87	760	4	0.08	3	5	54	<20
CC84984		1	0.07	10	1.02	947	1	0.05	28	750	6	0.08	2	5	38	<20
CC84985		<1	0.12	<10	2.33	470	1	0.07	116	240	4	0.09	25	13	49	<20
CC84986		<1	0.18	10	1.48	465	<1	0.11	76	450	6	0.02	3	5	187	<20
CC84987		1	0.09	10	1.85	496	<1	0.07	72	250	5	0.01	4	6	74	<20
CC84988		1	0.08	10	1.41	538	<1	0.08	56	640	7	0.05	3	7	50	<20
CC84989		1	0.06	10	1.16	252	<1	0.06	33	790	7	0.09	<2	3	55	<20
CC84990		1	0.10	10	2.19	537	<1	0.10	77	430	5	0.03	4	7	59	<20
CC84991		1	0.08	10	0.79	690	1	0.07	33	870	8	0.08	<2	3	44	<20
CC84992		1	0.08	10	0.96	721	1	0.07	37	700	7	0.07	<2	3	44	<20
CC84993		1	0.14	10	2.24	443	<1	0.10	84	560	4	0.08	3	6	71	<20
CC84994		1	0.07	10	1.42	457	1	0.06	51	680	7	0.09	3	4	50	<20
CC84995		1	0.12	<10	3.51	547	<1	0.08	156	340	4	0.03	6	12	63	<20
CC84996		<1	0.10	<10	3.68	493	<1	0.04	283	420	3	0.03	11	8	27	<20
CC84997		1	0.11	10	2.21	456	1	0.07	136	810	4	0.05	7	8	55	<20
CC84998		1	0.09	10	0.82	837	1	0.06	31	620	9	0.06	2	4	60	<20
CC84999		1	0.13	10	1.02	727	1	0.03	40	510	12	0.04	4	4	56	<20
CC85000		1	0.11	10	0.63	535	1	0.04	28	500	6	0.05	3	3	28	<20



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CERTIFICATE OF ANALYSIS VA10096398

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-ST44 Au ppm	Au-OG44 Au ppm
		0.01	10	10	1	10	2	0.0001	0.01
CC84760		0.10	<10	<10	81	<10	71	0.0020	
CC84761		0.06	<10	<10	47	<10	49	0.0069	
CC84762		0.08	<10	<10	63	<10	66	0.0021	
CC84763		0.06	<10	<10	39	<10	44	0.0013	
CC84764		0.10	<10	<10	77	<10	50	0.0042	
CC84765		0.16	<10	<10	128	<10	54	0.0029	
CC84766		0.23	<10	<10	101	<10	64	0.0047	
CC84767		0.06	<10	<10	48	<10	42	0.0024	
CC84768		0.09	<10	<10	99	<10	75	0.0339	
CC84769		0.06	<10	<10	44	<10	57	0.0040	
CC84770		0.11	<10	<10	81	<10	70	0.0030	
CC84771		0.09	<10	<10	62	<10	58	0.0035	
CC84772		0.07	<10	<10	52	<10	61	0.0026	
CC84773		0.18	<10	<10	107	<10	45	0.0050	
CC84774		0.09	<10	<10	63	<10	67	0.0022	
CC84775		0.18	<10	<10	94	<10	65	0.0041	
CC84776		0.10	<10	<10	82	<10	69	0.0105	
CC84777		0.22	<10	<10	118	<10	36	0.0238	
CC84778		0.11	<10	<10	88	<10	72	0.0198	
CC84779		0.07	<10	<10	93	<10	83	0.0240	
CC84780		0.10	<10	<10	90	<10	57	0.0679	
CC84781		0.10	<10	<10	80	<10	53	>0.1000	0.38
CC84984		0.06	<10	<10	112	<10	60	0.0067	
CC84985		0.05	<10	<10	92	<10	44	0.0441	
CC84986		0.06	<10	<10	55	<10	37	0.0070	
CC84987		0.05	<10	<10	60	<10	41	0.0076	
CC84988		0.08	<10	<10	71	<10	67	0.0120	
CC84989		0.05	<10	<10	54	<10	49	0.0029	
CC84990		0.05	<10	<10	61	<10	47	0.0057	
CC84991		0.09	<10	<10	71	<10	70	0.0040	
CC84992		0.08	<10	<10	71	<10	74	0.0099	
CC84993		0.05	<10	<10	57	<10	50	0.0347	
CC84994		0.07	<10	<10	66	<10	60	0.0718	
CC84995		0.08	<10	<10	98	<10	37	0.0943	
CC84996		0.13	<10	<10	108	<10	29	0.0572	
CC84997		0.13	<10	<10	96	<10	46	0.0540	
CC84998		0.07	<10	<10	57	<10	53	0.0074	
CC84999		0.05	<10	<10	52	<10	48	0.0566	
CC85000		0.07	<10	<10	50	<10	41	0.0075	



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Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.



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CERTIFICATE VA10096397

Project: Tarsis White River

P.O. No.:

This report is for 189 Soil samples submitted to our lab in Vancouver, BC, Canada on 12-JUL-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER

BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ST44	Super Trace Au - 50g AR	ICP-MS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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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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Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm
Sample Description	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
CC84581	0.08	0.2	1.14	6	<10	130	<0.5	2	1.50	<0.5	10	22	26	2.12	<10
CC84582	0.14	<0.2	1.55	8	<10	130	<0.5	<2	0.81	<0.5	15	28	25	2.84	10
CC84583	0.10	<0.2	1.34	4	<10	100	<0.5	<2	0.96	<0.5	14	25	28	2.65	10
CC84584	0.10	<0.2	1.63	8	<10	170	<0.5	<2	0.91	<0.5	15	36	33	3.12	10
CC84585	0.10	0.2	1.36	8	<10	140	<0.5	<2	0.95	<0.5	13	27	27	2.77	<10
CC84586	0.14	0.2	1.33	8	<10	140	<0.5	<2	1.14	<0.5	14	23	42	2.59	<10
CC84587	0.10	<0.2	2.01	19	<10	230	0.7	<2	0.95	0.5	21	39	61	3.56	10
CC84588	0.10	0.2	1.12	7	<10	210	<0.5	<2	1.40	<0.5	11	20	40	2.18	<10
CC84589	0.12	0.2	1.87	33	<10	220	0.5	<2	1.05	<0.5	16	33	43	3.06	10
CC84590	0.06	<0.2	1.01	6	<10	140	<0.5	<2	1.17	<0.5	11	21	23	2.18	<10
CC84591	0.08	<0.2	0.93	19	<10	110	<0.5	<2	0.65	<0.5	8	22	21	2.15	10
CC84592	0.06	<0.2	0.77	7	<10	70	<0.5	<2	0.39	<0.5	5	21	17	1.83	<10
CC84593	0.16	0.2	2.06	213	<10	180	1.0	2	0.62	<0.5	19	65	50	3.88	10
CC84594	0.12	0.2	1.26	124	<10	160	<0.5	<2	1.45	<0.5	13	40	39	2.46	<10
CC84595	0.06	<0.2	0.75	22	<10	90	<0.5	<2	0.87	<0.5	5	19	24	1.58	<10
CC84596	0.06	<0.2	0.82	14	<10	190	<0.5	<2	0.36	<0.5	5	19	25	1.90	<10
CC84597	0.06	0.2	0.96	25	<10	180	<0.5	<2	1.47	<0.5	11	60	26	1.59	<10
CC84598	0.08	<0.2	1.71	42	<10	150	<0.5	2	1.17	<0.5	14	44	42	2.74	<10
CC84599	0.16	<0.2	1.93	41	<10	150	<0.5	2	1.74	<0.5	15	50	65	2.74	<10
CC84600	0.16	0.2	2.18	26	<10	170	<0.5	<2	1.57	<0.5	17	53	57	2.96	10
CC84601	0.06	0.2	1.85	44	<10	130	<0.5	2	1.48	<0.5	16	40	54	3.15	10
CC84602	0.10	0.3	2.51	198	<10	120	<0.5	2	1.99	<0.5	17	48	66	3.30	10
CC84603	0.08	<0.2	1.77	11	<10	110	<0.5	<2	1.22	<0.5	12	45	48	2.54	<10
CC84604	0.10	<0.2	1.22	9	<10	100	<0.5	2	1.00	<0.5	15	32	29	2.66	<10
CC84605	0.10	0.2	2.46	17	<10	80	<0.5	<2	0.87	<0.5	24	179	38	3.73	10
CC84606	0.10	0.2	1.83	17	<10	90	<0.5	<2	1.01	<0.5	11	52	36	2.72	10
CC84607	0.10	0.3	3.13	97	<10	130	<0.5	2	1.41	<0.5	21	123	119	3.76	10
CC84608	0.12	<0.2	2.33	56	<10	200	<0.5	2	0.70	<0.5	15	62	38	3.36	10
CC84609	0.12	<0.2	2.91	49	<10	630	<0.5	<2	1.16	<0.5	18	96	61	3.66	10
CC84610	0.12	<0.2	2.51	80	<10	160	<0.5	<2	1.45	<0.5	18	65	66	3.20	10
CC84611	0.10	0.3	2.50	64	<10	140	<0.5	<2	1.30	<0.5	18	62	60	3.28	10
CC84612	0.10	0.3	2.66	42	<10	200	<0.5	<2	1.41	<0.5	19	60	76	3.50	10
CC84613	0.10	0.2	2.62	72	<10	200	0.5	<2	1.39	<0.5	18	65	72	3.53	10
CC84614	0.10	<0.2	1.87	114	<10	170	<0.5	4	0.57	<0.5	14	56	53	3.15	10
CC84615	0.12	0.2	1.52	78	<10	230	<0.5	2	1.33	0.5	15	35	56	2.69	<10
CC84616	0.12	0.2	2.14	358	<10	240	0.5	3	0.82	<0.5	18	87	54	3.89	10
CC84617	0.14	<0.2	1.28	22	<10	170	<0.5	2	0.75	<0.5	11	33	23	2.67	<10
CC84618	0.12	0.2	1.91	73	<10	180	<0.5	<2	0.69	<0.5	16	70	27	3.79	10
CC84619	0.14	<0.2	1.05	8	<10	100	<0.5	<2	0.58	<0.5	8	23	20	2.43	10
CC84620	0.10	<0.2	1.72	103	<10	180	<0.5	3	0.85	<0.5	18	54	37	3.35	10



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CERTIFICATE OF ANALYSIS VA10096397

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC84581		<1	0.07	10	0.47	581	<1	0.05	17	920	3	0.13	<2	3	61
CC84582		<1	0.06	10	0.56	662	<1	0.07	21	650	4	0.07	<2	2	46
CC84583		<1	0.08	10	0.46	460	1	0.07	17	860	5	0.09	<2	2	49
CC84584		<1	0.12	10	0.61	609	1	0.06	23	980	5	0.10	<2	3	55
CC84585		<1	0.07	10	0.53	607	1	0.07	22	710	3	0.09	<2	2	51
CC84586		<1	0.07	20	0.44	1355	1	0.06	20	1000	4	0.12	<2	3	60
CC84587		<1	0.09	20	0.76	951	1	0.06	42	1030	6	0.10	2	3	56
CC84588		<1	0.08	10	0.39	535	1	0.05	23	970	2	0.14	3	2	71
CC84589		<1	0.10	10	0.60	1065	1	0.05	27	970	6	0.10	<2	4	64
CC84590		<1	0.08	10	0.37	539	<1	0.07	17	760	3	0.10	<2	2	59
CC84591		<1	0.07	10	0.29	336	<1	0.06	13	650	4	0.08	<2	2	42
CC84592		<1	0.07	10	0.19	239	<1	0.06	10	890	2	0.11	<2	2	26
CC84593		<1	0.28	20	0.77	806	<1	0.06	38	670	3	0.04	3	5	54
CC84594		<1	0.13	10	0.51	555	<1	0.06	24	880	4	0.11	<2	3	88
CC84595		<1	0.07	10	0.25	176	<1	0.06	14	790	2	0.14	<2	2	49
CC84596		<1	0.13	10	0.20	178	<1	0.04	17	1000	2	0.17	<2	1	22
CC84597		<1	0.10	<10	0.59	724	<1	0.05	50	680	2	0.10	<2	2	57
CC84598		<1	0.09	10	0.67	504	<1	0.06	36	720	4	0.09	<2	4	51
CC84599		<1	0.07	10	0.77	787	<1	0.05	53	750	3	0.09	2	4	60
CC84600		<1	0.08	10	0.82	643	<1	0.05	74	720	4	0.07	<2	5	57
CC84601		<1	0.06	10	0.73	829	<1	0.07	33	850	6	0.11	2	5	54
CC84602		<1	0.07	10	1.11	548	<1	0.07	39	810	4	0.08	2	7	70
CC84603		<1	0.08	10	0.69	415	<1	0.08	30	860	2	0.10	<2	3	56
CC84604		<1	0.07	10	0.50	638	1	0.06	41	700	4	0.11	<2	3	45
CC84605		<1	0.07	10	3.03	457	<1	0.05	179	530	2	0.05	<2	4	28
CC84606		<1	0.07	10	0.79	294	<1	0.07	44	710	3	0.09	<2	3	43
CC84607		<1	0.09	10	1.71	498	<1	0.06	142	710	3	0.06	2	6	49
CC84608		<1	0.11	10	0.86	363	<1	0.06	51	420	4	0.03	<2	5	45
CC84609		<1	0.36	<10	1.61	352	<1	0.10	53	510	3	0.08	2	9	65
CC84610		<1	0.08	10	1.03	458	<1	0.06	56	670	5	0.05	2	5	70
CC84611		<1	0.08	10	0.99	556	<1	0.05	63	920	5	0.09	2	5	52
CC84612		<1	0.09	10	1.04	568	<1	0.06	84	830	4	0.07	2	5	62
CC84613		<1	0.12	10	1.13	504	<1	0.06	94	780	5	0.09	3	5	60
CC84614		<1	0.13	10	0.66	442	1	0.06	35	570	5	0.06	<2	4	44
CC84615		<1	0.07	10	0.53	840	<1	0.06	29	930	4	0.12	<2	3	66
CC84616		<1	0.14	10	1.14	630	1	0.05	54	730	4	0.09	2	5	54
CC84617		<1	0.07	10	0.48	479	1	0.06	21	630	2	0.09	<2	3	44
CC84618		<1	0.13	10	1.06	638	<1	0.07	40	580	5	0.06	<2	4	44
CC84619		<1	0.06	10	0.31	245	<1	0.06	14	510	3	0.07	<2	2	37
CC84620		<1	0.14	10	0.79	531	1	0.07	37	760	3	0.12	<2	3	52



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CERTIFICATE OF ANALYSIS VA10096397

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ST44
		Ti	Ti	U	V	W	Zn	Au
		%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2	0.0001
CC84581		0.05	<10	<10	43	<10	44	0.0052
CC84582		0.06	<10	<10	58	<10	76	0.0018
CC84583		0.06	<10	<10	56	<10	61	0.0020
CC84584		0.07	<10	<10	67	<10	64	0.0026
CC84585		0.06	<10	<10	56	<10	63	0.0029
CC84586		0.05	<10	<10	43	<10	54	0.0026
CC84587		0.06	<10	<10	65	<10	74	0.0056
CC84588		0.04	<10	<10	38	<10	53	0.0018
CC84589		0.07	<10	<10	63	<10	73	0.0039
CC84590		0.06	<10	<10	45	<10	57	0.0013
CC84591		0.06	<10	<10	51	<10	56	0.0027
CC84592		0.05	<10	<10	42	<10	30	0.0039
CC84593		0.05	<10	<10	59	<10	57	0.0054
CC84594		0.06	<10	<10	50	<10	56	0.0041
CC84595		0.04	<10	<10	29	<10	47	NSS
CC84596		0.03	<10	<10	29	<10	45	0.0019
CC84597		0.05	<10	<10	34	<10	35	NSS
CC84598		0.07	<10	<10	60	<10	48	0.0032
CC84599		0.07	<10	<10	61	<10	65	0.0048
CC84600		0.08	<10	<10	66	<10	71	0.0048
CC84601		0.05	<10	<10	66	<10	59	0.0045
CC84602		0.05	<10	<10	79	<10	61	0.0042
CC84603		0.06	<10	<10	50	<10	55	0.0041
CC84604		0.06	<10	<10	60	<10	54	0.0016
CC84605		0.13	<10	<10	88	<10	66	0.0030
CC84606		0.06	<10	<10	61	<10	58	0.0049
CC84607		0.08	<10	<10	75	<10	64	0.0065
CC84608		0.10	<10	<10	76	<10	53	0.0038
CC84609		0.16	<10	<10	113	<10	49	0.0035
CC84610		0.08	<10	<10	73	<10	56	0.0042
CC84611		0.06	<10	<10	72	<10	63	0.0044
CC84612		0.08	<10	<10	79	<10	62	0.0031
CC84613		0.09	<10	<10	79	<10	70	0.0030
CC84614		0.08	<10	<10	68	<10	43	0.0066
CC84615		0.06	<10	<10	57	<10	55	0.0036
CC84616		0.09	<10	<10	86	<10	63	0.0068
CC84617		0.07	<10	<10	60	<10	62	0.0023
CC84618		0.11	<10	<10	87	<10	80	0.0026
CC84619		0.07	<10	<10	56	<10	52	0.0021
CC84620		0.08	<10	<10	65	<10	70	0.0056



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Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC84621		0.10	<0.2	1.64	34	<10	230	<0.5	<2	0.74	<0.5	12	74	26	3.10
CC84622		0.16	<0.2	1.75	18	<10	300	0.6	6	0.34	<0.5	13	39	28	3.38
CC84623		0.14	<0.2	2.09	52	<10	250	0.7	2	0.57	<0.5	19	50	34	4.13
CC84624		0.10	<0.2	1.97	9	<10	240	0.5	<2	0.66	<0.5	15	49	30	3.95
CC84625		0.08	0.2	1.86	9	<10	230	0.5	<2	0.67	<0.5	33	37	27	3.88
CC84626		0.12	<0.2	2.75	65	<10	390	0.8	4	0.40	<0.5	20	99	39	5.10
CC84627		0.08	0.3	1.45	12	<10	140	<0.5	<2	0.70	<0.5	11	26	24	2.75
CC84628		0.10	0.2	1.65	39	<10	230	<0.5	2	0.79	<0.5	25	32	34	3.20
CC84629		0.10	<0.2	2.93	62	<10	290	0.5	3	0.43	<0.5	17	145	96	7.62
CC84630		0.08	<0.2	1.47	12	<10	140	<0.5	<2	0.84	<0.5	15	28	26	2.89
CC84631		0.10	<0.2	1.62	45	<10	170	<0.5	<2	0.86	<0.5	12	43	27	2.86
CC84632		0.12	<0.2	1.66	11	<10	150	<0.5	<2	0.82	<0.5	14	32	29	3.04
CC84633		0.16	0.3	2.49	517	<10	520	0.5	15	0.52	<0.5	19	88	96	4.43
CC84634		0.10	<0.2	1.28	17	<10	160	<0.5	<2	1.00	<0.5	13	27	26	2.66
CC84635		0.16	<0.2	2.16	324	<10	280	<0.5	2	0.48	<0.5	20	141	64	4.10
CC84636		0.14	0.2	2.02	179	<10	230	<0.5	4	0.60	<0.5	15	75	55	3.86
CC84637		0.16	1.0	2.36	470	<10	250	0.6	4	0.62	<0.5	20	68	162	4.59
CC84638		0.08	<0.2	1.05	12	<10	140	<0.5	<2	0.82	<0.5	8	24	22	2.18
CC84639		0.06	<0.2	1.52	35	<10	140	<0.5	<2	0.95	<0.5	24	35	43	2.84
CC84640		0.08	0.2	1.82	44	<10	130	<0.5	<2	1.42	<0.5	16	47	52	2.76
CC84641		0.08	0.2	2.72	49	<10	210	0.5	<2	1.24	<0.5	19	61	71	3.60
CC84642		0.10	0.3	1.75	27	<10	140	<0.5	<2	1.24	<0.5	16	40	48	2.98
CC84643		0.10	0.2	2.48	83	<10	130	<0.5	<2	1.48	<0.5	18	69	66	3.00
CC84644		0.10	0.2	1.75	32	<10	70	<0.5	<2	0.44	<0.5	9	36	24	3.81
CC84645		0.10	0.2	1.48	19	<10	140	<0.5	3	1.04	<0.5	12	30	26	2.63
CC84646		0.08	0.4	2.49	67	<10	100	<0.5	2	1.53	<0.5	18	113	78	2.68
CC84647		0.12	0.2	2.94	30	<10	100	<0.5	2	1.40	<0.5	18	90	67	3.35
CC84648		0.10	0.3	2.71	25	<10	90	<0.5	<2	1.28	<0.5	16	80	86	3.25
CC84649		0.10	0.4	2.83	28	<10	100	<0.5	<2	1.40	<0.5	18	74	85	3.20
CC84650		0.12	0.2	3.13	42	<10	80	<0.5	<2	1.48	<0.5	25	68	70	4.40
CC84651		0.12	0.2	2.72	37	<10	110	<0.5	<2	1.19	<0.5	21	69	50	3.58
CC84652		0.12	0.7	3.51	402	<10	100	0.6	<2	0.97	<0.5	35	103	98	6.19
CC84653		0.12	0.2	1.64	16	<10	140	<0.5	<2	1.62	<0.5	16	38	30	2.91
CC84654		0.10	0.7	1.97	41	<10	110	<0.5	3	1.26	<0.5	29	199	41	3.42
CC84655		0.10	0.8	2.03	103	<10	100	<0.5	3	1.34	<0.5	24	129	52	3.53
CC84656		0.10	0.5	2.00	37	<10	110	<0.5	<2	1.37	0.5	22	42	111	3.39
CC84657		0.12	<0.2	1.33	11	<10	160	<0.5	<2	1.32	<0.5	12	27	30	2.48
CC84658		0.10	<0.2	2.04	15	<10	190	<0.5	<2	0.82	<0.5	18	42	26	4.24
CC84659		0.10	0.2	2.32	23	<10	180	<0.5	<2	0.73	<0.5	20	45	50	4.04
CC84660		0.10	<0.2	2.42	18	<10	150	<0.5	<2	0.78	<0.5	20	84	43	4.20



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		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC84621		<1	0.10	10	0.75	332	<1	0.08	43	800	3	0.09	<2	3	50
CC84622		<1	0.34	20	0.70	344	<1	0.02	31	550	3	0.03	5	3	51
CC84623		<1	0.27	10	0.86	475	<1	0.04	39	780	4	0.09	3	4	57
CC84624		<1	0.10	10	0.80	515	1	0.06	31	840	5	0.06	<2	3	49
CC84625		<1	0.07	10	0.50	1910	1	0.05	22	870	9	0.07	<2	2	45
CC84626		<1	0.45	20	1.24	645	<1	0.04	66	490	4	0.07	9	7	39
CC84627		<1	0.08	10	0.42	607	1	0.06	16	870	5	0.09	<2	2	42
CC84628		<1	0.08	10	0.60	1370	1	0.06	25	1150	6	0.11	<2	2	51
CC84629		<1	0.37	10	1.06	793	<1	0.05	41	740	3	0.17	29	6	36
CC84630		<1	0.06	10	0.49	705	<1	0.07	20	590	4	0.09	<2	3	49
CC84631		<1	0.10	10	0.68	397	<1	0.07	25	710	3	0.10	<2	3	52
CC84632		<1	0.08	10	0.52	634	<1	0.08	21	640	3	0.09	<2	3	51
CC84633		1	0.56	10	1.52	575	<1	0.05	56	460	4	0.07	4	8	70
CC84634		<1	0.08	10	0.48	699	<1	0.06	19	760	3	0.11	<2	2	51
CC84635		<1	0.27	10	1.59	526	<1	0.04	94	370	<2	0.05	4	6	45
CC84636		<1	0.22	10	1.13	428	<1	0.04	49	540	3	0.05	2	6	55
CC84637		<1	0.30	10	1.02	394	1	0.06	57	660	4	0.14	3	7	71
CC84638		<1	0.07	10	0.30	334	<1	0.07	16	670	2	0.09	<2	2	47
CC84639		<1	0.07	10	0.54	918	1	0.07	26	820	5	0.10	<2	3	53
CC84640		<1	0.08	10	0.81	508	<1	0.06	57	880	4	0.11	<2	3	57
CC84641		<1	0.10	10	1.06	587	<1	0.06	89	840	2	0.08	<2	5	59
CC84642		<1	0.07	10	0.62	795	<1	0.06	42	860	4	0.09	<2	3	53
CC84643		<1	0.07	10	1.04	461	<1	0.05	61	780	4	0.10	<2	5	55
CC84644		<1	0.06	10	0.45	438	1	0.04	17	510	6	0.05	<2	3	32
CC84645		<1	0.05	10	0.45	547	<1	0.06	20	800	3	0.10	<2	3	49
CC84646		<1	0.08	10	1.48	412	<1	0.06	121	710	2	0.09	2	5	58
CC84647		<1	0.09	10	1.46	468	<1	0.07	82	570	3	0.07	2	7	54
CC84648		<1	0.08	10	1.33	478	<1	0.06	51	670	2	0.10	<2	6	52
CC84649		<1	0.08	10	1.37	500	1	0.10	50	660	7	0.09	<2	7	52
CC84650		<1	0.09	<10	1.71	690	<1	0.11	48	510	5	0.05	<2	13	53
CC84651		<1	0.07	10	1.37	618	<1	0.12	37	540	6	0.07	<2	8	73
CC84652		<1	0.10	<10	2.32	1090	<1	0.07	55	370	22	0.04	41	20	40
CC84653		<1	0.06	10	0.61	758	1	0.07	27	800	7	0.10	<2	4	57
CC84654		<1	0.06	10	2.47	562	<1	0.06	202	780	7	0.11	<2	5	43
CC84655		<1	0.06	10	1.83	521	<1	0.05	203	1200	7	0.14	2	6	40
CC84656		<1	0.07	10	0.82	756	1	0.06	35	1240	6	0.16	<2	4	50
CC84657		<1	0.05	10	0.52	563	1	0.06	25	780	5	0.14	<2	3	63
CC84658		1	0.06	10	0.82	850	1	0.06	27	640	7	0.06	<2	3	48
CC84659		<1	0.08	10	0.89	682	1	0.06	35	1000	8	0.09	<2	4	70
CC84660		<1	0.08	10	1.29	627	1	0.07	43	770	6	0.07	<2	5	43



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ST44
		Ti	Ti	U	V	W	Zn	Au
		%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2	0.0001
CC84621		0.08	<10	<10	71	<10	51	0.0022
CC84622		0.04	<10	<10	37	<10	48	0.0099
CC84623		0.06	<10	<10	61	<10	63	0.0028
CC84624		0.10	<10	<10	85	<10	58	0.0017
CC84625		0.07	<10	<10	87	<10	58	0.0014
CC84626		0.08	<10	<10	79	<10	66	0.0047
CC84627		0.06	<10	<10	54	<10	40	0.0025
CC84628		0.05	<10	<10	64	<10	82	0.0024
CC84629		0.09	<10	<10	93	<10	61	0.0027
CC84630		0.07	<10	<10	55	<10	72	0.0030
CC84631		0.07	<10	<10	63	<10	62	0.0028
CC84632		0.07	<10	<10	62	<10	71	0.0038
CC84633		0.11	<10	<10	90	<10	55	0.0218
CC84634		0.06	<10	<10	57	<10	70	0.0051
CC84635		0.09	<10	<10	77	<10	50	0.0052
CC84636		0.11	<10	<10	77	<10	49	0.0112
CC84637		0.09	<10	<10	85	<10	47	0.0082
CC84638		0.06	<10	<10	48	<10	56	0.0081
CC84639		0.07	<10	<10	62	<10	43	0.0041
CC84640		0.06	<10	<10	60	<10	42	0.0038
CC84641		0.09	<10	<10	82	<10	70	0.0034
CC84642		0.07	<10	<10	68	<10	43	0.0030
CC84643		0.05	<10	<10	64	<10	59	0.0049
CC84644		0.10	<10	<10	88	<10	42	0.0033
CC84645		0.06	<10	<10	56	<10	46	0.0034
CC84646		0.05	<10	<10	54	<10	42	0.0073
CC84647		0.06	<10	<10	75	<10	52	0.0139
CC84648		0.05	<10	<10	69	<10	55	0.0054
CC84649		0.06	<10	<10	71	<10	52	0.0046
CC84650		0.10	<10	<10	151	<10	51	0.0046
CC84651		0.08	<10	<10	108	<10	51	0.0027
CC84652		0.04	<10	<10	144	<10	62	0.0488
CC84653		0.07	<10	<10	63	<10	48	0.0020
CC84654		0.06	<10	<10	67	<10	51	0.0052
CC84655		0.05	<10	<10	78	<10	59	0.0070
CC84656		0.05	<10	<10	80	<10	66	0.0041
CC84657		0.06	<10	<10	48	<10	50	0.0025
CC84658		0.10	<10	<10	96	<10	73	0.0013
CC84659		0.08	<10	<10	87	<10	94	0.0032
CC84660		0.09	<10	<10	100	<10	77	0.0017



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CERTIFICATE OF ANALYSIS VA10096397

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
CC84661		0.12	0.2	1.47	11	<10	120	<0.5	<2	0.96	<0.5	11	33	42	2.87	10
CC84662		0.08	0.3	2.17	16	<10	160	<0.5	<2	0.93	<0.5	18	44	42	3.70	10
CC84663		0.12	0.4	2.01	25	<10	140	<0.5	<2	0.85	<0.5	17	50	50	3.69	10
CC84664		0.12	0.3	3.69	47	<10	140	<0.5	<2	1.14	<0.5	28	67	60	4.18	10
CC84665		0.14	0.5	2.82	60	<10	120	0.5	<2	1.45	<0.5	25	61	72	4.17	10
CC84666		0.10	0.3	2.75	29	<10	120	<0.5	<2	1.58	<0.5	19	67	97	3.30	10
CC84667		0.10	<0.2	2.56	35	<10	100	<0.5	<2	1.66	<0.5	16	60	60	3.26	10
CC84668		0.10	0.4	4.19	61	<10	130	<0.5	<2	1.55	<0.5	22	126	80	3.89	10
CC84669		0.10	0.3	3.69	60	<10	150	<0.5	<2	1.24	<0.5	26	160	68	3.68	10
CC84670		0.08	0.5	3.21	73	<10	170	0.5	<2	1.33	<0.5	25	91	75	3.77	10
CC84671		0.10	0.2	1.91	27	<10	110	<0.5	<2	0.92	<0.5	19	45	41	3.46	10
CC84672		0.08	<0.2	1.64	34	<10	120	<0.5	<2	1.47	<0.5	14	42	49	2.73	10
CC84673		0.08	0.4	1.64	21	<10	100	<0.5	<2	1.68	<0.5	15	43	64	2.67	<10
CC84674		0.10	0.2	3.06	92	<10	170	<0.5	<2	1.46	<0.5	24	85	87	3.77	10
CC84675		0.12	0.2	1.40	21	<10	120	<0.5	<2	1.74	<0.5	12	29	45	2.27	<10
CC84676		0.14	0.2	2.25	77	<10	150	<0.5	<2	1.50	<0.5	20	62	85	3.06	10
CC84677		0.14	0.3	1.34	13	<10	130	<0.5	<2	0.71	<0.5	12	30	25	2.82	<10
CC84678		0.14	0.3	2.31	111	<10	270	0.6	<2	0.92	<0.5	23	77	87	3.86	10
CC84679		0.14	<0.2	2.83	85	<10	350	0.7	<2	0.77	<0.5	29	106	65	4.66	10
CC84680		0.12	0.2	2.02	40	<10	290	0.5	<2	0.69	<0.5	18	65	56	3.97	10
CC84681		0.10	0.3	2.54	75	<10	200	0.5	<2	1.22	<0.5	24	69	132	4.26	10
CC84682		0.08	0.2	2.95	154	<10	200	0.8	<2	1.05	<0.5	25	132	86	4.78	10
CC84683		0.08	0.2	1.25	100	<10	120	<0.5	<2	0.68	<0.5	12	31	31	2.94	10
CC84684		0.16	1.1	2.08	1045	<10	180	<0.5	7	0.75	0.6	22	50	184	4.10	10
CC84685		0.10	0.2	1.44	8	<10	100	<0.5	<2	0.56	<0.5	12	33	33	3.18	10
CC84686		0.10	0.3	1.67	42	<10	180	<0.5	<2	0.51	<0.5	15	41	89	3.91	10
CC84687		0.12	0.2	2.40	13	<10	780	0.5	<2	0.43	<0.5	16	58	50	3.72	10
CC84688		0.12	0.2	1.24	5	<10	190	<0.5	<2	0.93	<0.5	18	32	26	2.48	<10
CC84689		0.14	0.2	1.10	8	<10	100	<0.5	<2	0.46	<0.5	6	28	20	2.20	<10
CC84690		0.12	0.2	1.27	8	<10	160	<0.5	<2	0.77	<0.5	14	34	20	2.55	<10
CC84691		0.10	0.2	1.40	21	<10	130	<0.5	<2	1.54	<0.5	13	33	37	2.27	<10
CC84692		0.12	0.2	1.97	45	<10	160	<0.5	<2	0.94	<0.5	19	62	41	2.90	10
CC84693		0.12	0.2	0.83	10	<10	50	<0.5	<2	0.37	<0.5	6	29	25	2.12	<10
CC84694		0.14	<0.2	0.70	11	<10	90	<0.5	<2	0.84	<0.5	7	25	24	1.60	<10
CC84695		0.08	<0.2	1.08	7	<10	90	<0.5	<2	0.50	<0.5	13	25	26	2.34	<10
CC84696		0.06	0.3	1.14	9	<10	110	<0.5	<2	1.12	<0.5	11	28	28	2.07	<10
CC84697		0.12	0.2	1.15	8	<10	80	<0.5	<2	1.49	<0.5	13	24	27	2.32	<10
CC84698		0.10	<0.2	1.06	6	<10	60	<0.5	<2	0.40	<0.5	7	29	23	2.20	<10
CC84699		0.14	0.2	2.19	13	<10	220	<0.5	<2	0.72	<0.5	16	37	40	3.46	10
CC84700		0.08	<0.2	2.03	13	<10	140	<0.5	<2	0.99	<0.5	18	56	38	3.12	<10



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC84661		<1	0.06	10	0.59	341	1	0.08	22	900	4	0.13	<2	3	49
CC84662		1	0.09	10	0.96	655	1	0.07	36	850	8	0.11	<2	4	49
CC84663		<1	0.07	10	0.90	646	1	0.08	32	770	6	0.09	<2	4	50
CC84664		1	0.11	<10	1.88	740	<1	0.08	57	470	6	0.03	<2	8	171
CC84665		1	0.10	10	1.41	911	1	0.06	59	1120	7	0.13	<2	6	44
CC84666		<1	0.08	10	1.25	637	1	0.05	54	1050	5	0.14	<2	5	57
CC84667		1	0.08	10	1.16	545	<1	0.08	39	830	6	0.09	<2	6	54
CC84668		1	0.10	10	2.00	493	<1	0.07	83	690	5	0.08	<2	8	54
CC84669		<1	0.10	10	2.46	529	<1	0.11	145	590	7	0.05	<2	7	55
CC84670		1	0.08	10	1.37	626	<1	0.07	85	880	6	0.09	<2	6	54
CC84671		<1	0.07	10	0.61	576	1	0.07	33	880	7	0.10	<2	4	50
CC84672		<1	0.08	10	0.75	422	1	0.07	41	1050	5	0.13	<2	3	55
CC84673		<1	0.07	10	0.72	653	1	0.07	42	1080	4	0.16	<2	3	49
CC84674		1	0.09	10	1.61	585	1	0.08	155	850	4	0.09	<2	6	59
CC84675		<1	0.05	10	0.53	502	1	0.05	26	1140	3	0.17	<2	2	65
CC84676		<1	0.09	10	1.11	559	1	0.07	74	1050	3	0.13	<2	4	57
CC84677		<1	0.07	10	0.41	741	1	0.08	18	660	3	0.08	<2	3	47
CC84678		<1	0.14	10	0.90	482	1	0.07	54	780	4	0.11	<2	5	89
CC84679		1	0.26	10	1.10	645	1	0.08	88	770	5	0.08	<2	6	84
CC84680		1	0.12	10	0.94	578	1	0.07	40	840	5	0.09	<2	5	51
CC84681		1	0.11	10	1.31	715	1	0.07	49	990	5	0.11	<2	7	54
CC84682		<1	0.23	10	2.20	662	1	0.05	83	680	5	0.05	2	9	31
CC84683		<1	0.07	10	0.51	499	1	0.08	18	610	5	0.09	<2	3	40
CC84684		<1	0.11	10	0.80	706	1	0.08	29	840	12	0.13	<2	5	51
CC84685		<1	0.07	10	0.56	539	1	0.06	26	590	7	0.09	<2	3	37
CC84686		<1	0.13	10	0.63	634	1	0.04	28	680	5	0.10	<2	3	32
CC84687		<1	0.11	10	1.07	1020	1	0.05	42	510	5	0.04	<2	6	26
CC84688		<1	0.08	10	0.46	791	1	0.06	20	980	5	0.11	<2	2	53
CC84689		<1	0.07	10	0.35	192	1	0.05	16	630	4	0.07	<2	2	31
CC84690		<1	0.08	10	0.51	763	1	0.07	18	750	4	0.08	<2	2	53
CC84691		<1	0.07	10	0.57	440	1	0.05	40	730	4	0.11	<2	3	54
CC84692		1	0.08	10	0.98	622	1	0.06	73	590	5	0.06	<2	5	48
CC84693		<1	0.05	<10	0.28	329	1	0.04	16	710	3	0.11	<2	1	21
CC84694		<1	0.07	<10	0.25	540	1	0.04	18	910	3	0.16	<2	1	39
CC84695		<1	0.06	10	0.28	600	1	0.04	14	800	5	0.09	<2	2	28
CC84696		<1	0.06	10	0.36	478	1	0.05	16	920	4	0.14	<2	2	52
CC84697		<1	0.05	10	0.47	667	1	0.05	17	690	5	0.13	<2	3	66
CC84698		<1	0.06	10	0.28	211	1	0.04	15	820	4	0.11	<2	2	28
CC84699		<1	0.06	10	0.79	581	1	0.06	38	640	5	0.07	<2	4	60
CC84700		1	0.07	10	0.93	713	1	0.06	50	600	6	0.08	<2	4	52



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ST44
		Ti	Ti	U	V	W	Zn	Au
		%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2	0.0001
CC84661		0.07	<10	<10	64	<10	62	0.0038
CC84662		0.08	<10	<10	77	<10	71	0.0030
CC84663		0.09	<10	<10	82	<10	82	0.0023
CC84664		0.06	<10	<10	81	<10	57	NSS
CC84665		0.06	<10	<10	80	<10	76	NSS
CC84666		0.04	<10	<10	64	<10	62	NSS
CC84667		0.06	<10	<10	77	<10	63	NSS
CC84668		0.06	<10	<10	74	<10	59	0.0035
CC84669		0.06	<10	<10	74	<10	59	0.0047
CC84670		0.06	<10	<10	78	<10	61	0.0047
CC84671		0.07	<10	<10	73	<10	46	0.0029
CC84672		0.06	<10	<10	60	<10	55	0.0031
CC84673		0.06	<10	<10	57	<10	46	0.0032
CC84674		0.08	<10	<10	83	<10	61	0.0045
CC84675		0.05	<10	<10	49	<10	37	0.0031
CC84676		0.06	<10	<10	65	<10	57	0.0054
CC84677		0.08	<10	<10	66	<10	57	NSS
CC84678		0.08	<10	<10	83	<10	84	NSS
CC84679		0.11	<10	<10	98	<10	68	NSS
CC84680		0.10	<10	<10	95	<10	78	NSS
CC84681		0.12	<10	<10	103	<10	69	NSS
CC84682		0.18	<10	<10	125	<10	60	NSS
CC84683		0.10	<10	<10	67	<10	68	NSS
CC84684		0.10	<10	<10	88	<10	81	NSS
CC84685		0.08	<10	<10	72	<10	75	NSS
CC84686		0.07	<10	<10	69	<10	60	NSS
CC84687		0.09	<10	<10	97	<10	64	0.0024
CC84688		0.06	<10	<10	52	<10	52	NSS
CC84689		0.06	<10	<10	50	<10	33	NSS
CC84690		0.07	<10	<10	56	<10	46	NSS
CC84691		0.06	<10	<10	53	<10	57	NSS
CC84692		0.09	<10	<10	75	<10	62	NSS
CC84693		0.06	<10	<10	51	<10	32	NSS
CC84694		0.04	<10	<10	33	<10	46	NSS
CC84695		0.06	<10	<10	53	<10	28	NSS
CC84696		0.05	<10	<10	43	<10	37	NSS
CC84697		0.06	<10	<10	48	<10	39	NSS
CC84698		0.05	<10	<10	49	<10	32	NSS
CC84699		0.09	<10	<10	75	<10	68	0.0034
CC84700		0.08	<10	<10	72	<10	64	0.0034



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Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
		kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
CC84701		0.16	0.2	0.88	6	<10	80	<0.5	<2	0.60	<0.5	7	24	20	2.04	<10
CC84702		0.10	0.3	1.10	4	<10	90	<0.5	<2	1.55	<0.5	10	26	37	2.01	<10
CC84703		0.08	0.3	1.70	8	<10	110	<0.5	<2	1.24	<0.5	13	36	37	2.60	<10
CC84704		0.12	<0.2	1.26	8	<10	100	<0.5	<2	1.15	<0.5	11	31	27	2.47	<10
CC84705		0.10	0.3	1.81	13	<10	90	<0.5	<2	1.84	<0.5	17	69	72	2.60	<10
CC84706		0.10	0.2	1.92	73	<10	120	<0.5	<2	1.29	<0.5	19	59	67	3.23	10
CC84707		0.14	0.4	2.86	64	<10	150	<0.5	<2	1.17	<0.5	19	69	80	3.29	10
CC84708		0.14	0.8	3.75	211	<10	140	<0.5	<2	1.31	<0.5	31	114	183	3.83	10
CC84709		0.12	0.5	2.05	49	<10	130	<0.5	<2	1.44	<0.5	19	44	101	3.10	10
CC84710		0.12	0.2	1.44	15	<10	140	<0.5	<2	0.86	<0.5	14	40	27	2.83	10
CC84711		0.06	0.4	1.42	118	<10	120	<0.5	<2	0.80	<0.5	18	37	44	2.67	<10
CC84712		0.10	0.7	3.67	253	<10	110	<0.5	<2	1.24	<0.5	34	104	196	3.39	10
CC84713		0.12	0.3	1.48	21	<10	150	<0.5	<2	1.31	<0.5	15	32	44	2.43	<10
CC84714		0.16	0.2	1.68	13	<10	120	<0.5	<2	0.89	<0.5	15	47	35	2.88	<10
CC84715		0.10	<0.2	2.28	20	<10	110	<0.5	<2	0.47	<0.5	32	399	32	3.72	10
CC84716		0.20	0.2	2.66	92	10	100	<0.5	<2	1.11	<0.5	33	286	71	3.78	10
CC84717		0.20	0.2	2.02	23	<10	130	<0.5	<2	0.93	<0.5	27	59	42	4.10	10
CC84718		0.10	0.2	2.37	1145	<10	180	0.6	<2	0.96	<0.5	80	129	114	3.73	10
CC84719		0.12	0.3	1.87	151	<10	220	0.5	<2	0.99	<0.5	35	60	89	3.18	10
CC84720		0.12	0.2	1.67	174	<10	120	0.9	<2	0.97	<0.5	25	52	67	2.82	<10
CC84721		0.14	0.2	1.37	56	<10	120	<0.5	<2	1.02	<0.5	18	35	46	2.66	<10
CC84722		0.18	0.2	1.94	85	<10	250	<0.5	<2	0.77	<0.5	28	61	80	3.53	10
CC84723		0.18	<0.2	1.29	65	<10	280	0.5	<2	0.62	<0.5	17	41	92	2.58	<10
CC84724		0.18	<0.2	1.11	9	<10	210	0.5	<2	0.17	<0.5	15	19	38	2.11	<10
CC84725		0.14	<0.2	1.76	9	<10	1160	0.6	<2	0.32	<0.5	18	44	87	2.83	10
CC84726		0.20	<0.2	1.27	6	<10	390	0.6	<2	0.19	<0.5	19	21	57	2.34	10
CC84727		0.12	<0.2	1.33	20	<10	170	0.8	<2	0.28	<0.5	24	30	19	2.65	<10
CC84728		0.16	<0.2	1.22	11	<10	680	<0.5	<2	0.18	<0.5	13	24	63	2.07	<10
CC84729		0.18	0.2	1.85	10	<10	170	<0.5	<2	1.17	<0.5	15	41	40	3.03	<10
CC84730		0.16	0.2	1.83	9	<10	180	<0.5	<2	0.86	<0.5	19	54	33	3.33	10
CC84731		0.14	<0.2	1.19	34	<10	300	<0.5	<2	0.36	<0.5	8	48	56	2.11	<10
CC84732		0.14	0.3	1.79	36	<10	160	<0.5	<2	0.74	<0.5	18	40	41	3.12	10
CC84733		0.12	0.2	1.67	14	<10	270	0.5	<2	0.84	<0.5	13	43	41	3.04	10
CC84734		0.14	0.2	2.30	30	<10	310	0.7	<2	0.60	<0.5	19	96	53	3.56	10
CC84735		0.16	<0.2	2.37	48	<10	280	0.6	<2	0.64	<0.5	18	109	63	3.76	10
CC84736		0.20	0.2	2.22	57	<10	250	0.7	<2	0.67	<0.5	21	125	63	3.91	10
CC84951		0.22	0.3	2.30	16	<10	150	<0.5	<2	0.84	<0.5	19	66	39	3.73	10
CC84952		0.10	0.3	1.67	11	<10	140	<0.5	<2	0.76	<0.5	17	36	33	3.17	<10
CC84953		0.08	0.2	3.20	20	<10	130	<0.5	<2	0.62	<0.5	27	203	55	4.19	10
CC84954		0.12	0.4	1.71	20	<10	80	<0.5	<2	0.76	<0.5	15	39	50	2.93	<10



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Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
Sample Description															
CC84701	<1	0.06	10	0.32	174	1	0.05	15	730	3	0.11	<2	2	33	<20
CC84702	<1	0.05	10	0.43	446	1	0.05	20	980	3	0.15	<2	2	56	<20
CC84703	<1	0.06	10	0.73	461	1	0.06	24	830	4	0.09	<2	4	53	<20
CC84704	<1	0.06	10	0.48	364	1	0.06	20	710	4	0.11	<2	2	47	<20
CC84705	1	0.06	10	1.08	569	1	0.04	90	890	4	0.13	<2	5	40	<20
CC84706	<1	0.08	10	0.78	629	1	0.06	31	770	5	0.10	<2	3	52	<20
CC84707	1	0.10	10	1.11	487	<1	0.07	56	670	5	0.06	<2	5	58	<20
CC84708	1	0.10	10	1.92	462	<1	0.05	89	700	6	0.08	<2	6	66	<20
CC84709	<1	0.09	10	0.83	685	1	0.05	36	1190	5	0.13	<2	5	62	<20
CC84710	<1	0.06	10	0.58	498	1	0.07	21	790	5	0.10	<2	3	53	<20
CC84711	<1	0.06	10	0.68	501	1	0.06	24	720	3	0.10	<2	2	46	<20
CC84712	<1	0.09	10	2.10	435	<1	0.06	91	660	5	0.07	<2	5	76	<20
CC84713	<1	0.07	10	0.65	650	1	0.07	28	690	4	0.12	<2	3	59	<20
CC84714	<1	0.06	10	0.73	492	1	0.06	30	700	5	0.11	<2	3	48	<20
CC84715	<1	0.04	<10	3.64	505	<1	0.04	330	460	3	0.04	<2	4	24	<20
CC84716	<1	0.11	<10	3.61	361	<1	0.07	386	500	<2	0.06	2	6	42	<20
CC84717	<1	0.07	10	1.05	699	1	0.07	43	830	5	0.09	<2	4	43	<20
CC84718	<1	0.10	10	1.69	418	1	0.05	68	870	5	0.09	2	7	109	<20
CC84719	<1	0.10	10	1.01	502	1	0.06	45	780	4	0.10	<2	4	89	<20
CC84720	<1	0.08	10	0.91	891	1	0.05	32	780	28	0.08	<2	4	64	<20
CC84721	1	0.07	10	0.65	549	1	0.06	28	800	7	0.12	<2	3	73	<20
CC84722	<1	0.11	10	0.99	468	1	0.06	46	650	6	0.09	<2	4	84	<20
CC84723	<1	0.14	10	0.73	680	1	0.05	30	480	4	0.05	<2	3	34	<20
CC84724	<1	0.30	10	0.61	685	<1	0.03	25	270	<2	0.02	<2	2	17	<20
CC84725	<1	0.30	10	1.14	1380	<1	0.07	30	460	3	0.03	<2	5	16	<20
CC84726	<1	0.35	10	0.82	931	<1	0.02	41	330	2	0.01	<2	3	14	<20
CC84727	<1	0.15	10	0.89	1170	<1	0.02	35	320	2	0.02	<2	3	11	<20
CC84728	<1	0.25	10	0.66	723	1	0.02	38	220	<2	0.01	<2	3	18	<20
CC84729	<1	0.07	10	0.80	521	1	0.06	33	820	6	0.10	<2	3	55	<20
CC84730	<1	0.08	10	0.91	898	1	0.08	31	660	5	0.06	<2	4	46	<20
CC84731	<1	0.25	10	0.59	290	1	0.02	27	240	<2	0.02	2	3	24	<20
CC84732	<1	0.07	10	0.71	648	1	0.06	27	920	5	0.09	<2	3	39	<20
CC84733	<1	0.14	10	0.76	618	1	0.04	27	860	5	0.08	<2	3	38	<20
CC84734	<1	0.19	10	1.37	763	<1	0.03	74	720	4	0.05	<2	5	28	<20
CC84735	<1	0.23	10	1.39	662	<1	0.05	79	600	5	0.04	3	6	34	<20
CC84736	<1	0.27	10	1.55	632	1	0.04	105	630	3	0.04	7	6	31	<20
CC84951	1	0.07	10	0.94	660	1	0.07	40	700	7	0.07	<2	4	53	<20
CC84952	<1	0.06	10	0.64	621	1	0.06	27	700	6	0.10	<2	3	46	<20
CC84953	<1	0.09	<10	2.43	736	<1	0.05	77	490	4	0.04	<2	9	30	<20
CC84954	<1	0.07	10	0.71	543	1	0.06	26	800	4	0.13	<2	3	44	<20



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ST44
		Ti	Ti	U	V	W	Zn	Au
		%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2	0.0001
CC84701		0.05	<10	<10	46	<10	31	0.0026
CC84702		0.05	<10	<10	42	<10	41	0.0028
CC84703		0.06	<10	<10	61	<10	69	0.0023
CC84704		0.06	<10	<10	52	<10	72	0.0031
CC84705		0.06	<10	<10	64	<10	58	0.0045
CC84706		0.07	<10	<10	68	<10	60	0.0094
CC84707		0.06	<10	<10	66	<10	63	0.0104
CC84708		0.04	<10	<10	63	<10	67	0.0216
CC84709		0.05	<10	<10	73	<10	63	0.0040
CC84710		0.07	<10	<10	71	<10	57	0.0042
CC84711		0.06	<10	<10	57	<10	63	0.0123
CC84712		0.04	<10	<10	56	<10	53	0.0237
CC84713		0.06	<10	<10	63	<10	60	0.0031
CC84714		0.07	<10	<10	63	<10	58	0.0038
CC84715		0.08	<10	<10	77	<10	43	0.0028
CC84716		0.18	<10	<10	92	<10	28	0.0219
CC84717		0.12	<10	<10	98	<10	71	0.0044
CC84718		0.10	<10	<10	96	<10	30	0.0217
CC84719		0.08	<10	<10	79	<10	46	0.0083
CC84720		0.06	<10	<10	60	<10	93	0.0130
CC84721		0.06	<10	<10	59	<10	69	0.0038
CC84722		0.11	<10	<10	86	<10	62	0.0085
CC84723		0.05	<10	<10	47	<10	53	0.0046
CC84724		0.07	<10	<10	30	<10	37	0.0015
CC84725		0.07	<10	<10	53	<10	50	0.0029
CC84726		0.07	<10	<10	33	<10	39	0.0012
CC84727		0.02	<10	<10	27	<10	30	0.0019
CC84728		0.08	<10	<10	33	<10	34	0.0024
CC84729		0.07	<10	<10	62	<10	69	0.0027
CC84730		0.10	<10	<10	81	<10	71	0.0021
CC84731		0.07	<10	<10	45	<10	20	0.0028
CC84732		0.09	<10	<10	71	<10	55	0.0030
CC84733		0.08	<10	<10	71	<10	57	0.0023
CC84734		0.09	<10	<10	85	<10	58	0.0024
CC84735		0.13	<10	<10	93	<10	65	0.0028
CC84736		0.10	<10	<10	84	<10	56	0.0027
CC84951		0.08	<10	<10	87	<10	69	0.0021
CC84952		0.07	<10	<10	67	<10	85	0.0023
CC84953		0.05	<10	<10	107	<10	66	0.0048
CC84954		0.06	<10	<10	60	<10	59	0.0044



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Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC84955		0.10	0.4	2.77	35	<10	120	<0.5	<2	1.26	<0.5	20	62	78	3.13
CC84956		0.12	1.2	3.56	81	<10	140	<0.5	5	1.25	<0.5	31	91	70	4.01
CC84957		0.10	<0.2	2.00	19	<10	100	<0.5	<2	0.62	<0.5	17	49	41	3.20
CC84958		0.12	0.2	3.31	33	<10	130	<0.5	<2	1.38	<0.5	19	94	58	3.31
CC84959		0.08	4.5	4.00	127	<10	120	<0.5	8	1.35	0.8	37	151	476	3.96
CC84960		0.12	0.4	2.17	45	<10	120	<0.5	<2	1.27	<0.5	19	55	59	2.87
CC84961		0.12	0.4	3.43	76	<10	150	<0.5	<2	1.24	<0.5	26	124	112	3.73
CC84962		0.08	<0.2	3.10	54	<10	110	<0.5	<2	1.07	<0.5	32	146	90	3.81
CC84963		0.08	0.3	2.82	37	<10	140	<0.5	<2	1.17	<0.5	24	85	71	3.83
CC84964		0.12	0.2	1.70	19	<10	140	<0.5	<2	1.48	<0.5	15	57	54	2.68
CC84965		0.10	0.3	3.00	57	<10	170	0.5	<2	1.50	<0.5	25	88	128	3.63
CC84966		0.12	0.3	2.90	210	<10	180	0.5	<2	1.36	<0.5	23	77	133	3.87
CC84967		0.10	0.5	3.67	258	<10	150	<0.5	<2	1.52	<0.5	41	192	242	3.68
CC84968		0.12	0.3	2.33	194	<10	140	<0.5	<2	0.96	<0.5	25	104	143	3.41
CC84969		0.08	0.3	2.00	148	<10	220	0.5	<2	1.04	<0.5	27	64	78	3.50
CC84970		0.14	0.2	1.43	16	<10	100	<0.5	<2	0.58	<0.5	13	33	28	2.84
CC84971		0.10	0.2	2.49	33	<10	130	0.5	<2	0.88	<0.5	34	50	81	4.32
CC84972		0.10	<0.2	3.03	26	<10	90	<0.5	<2	1.56	<0.5	27	74	78	4.21
CC84973		0.10	4.6	1.85	89	<10	110	<0.5	6	0.66	0.9	19	45	764	4.68
CC84974		0.12	0.4	1.68	343	<10	110	<0.5	2	0.70	<0.5	33	41	116	3.83
CC84975		0.12	0.6	2.87	259	<10	80	<0.5	9	1.57	<0.5	38	44	248	5.16
CC84976		0.10	0.2	1.98	16	<10	130	<0.5	<2	0.91	<0.5	18	41	44	3.69
CC84977		0.10	0.2	1.65	9	<10	130	<0.5	<2	0.75	<0.5	13	43	34	3.35
CC84978		0.12	<0.2	2.37	12	<10	120	<0.5	<2	0.99	<0.5	20	67	47	4.08
CC84979		0.12	0.2	1.50	9	<10	170	<0.5	<2	1.18	<0.5	13	37	29	2.86
CC84980		0.10	0.3	2.49	27	<10	180	0.5	<2	1.09	<0.5	19	89	35	4.41
CC84981		0.10	0.2	2.79	31	<10	280	0.6	<2	1.18	<0.5	21	179	66	4.35
CC84982		0.12	<0.2	2.48	35	<10	200	0.7	<2	0.51	0.5	26	97	262	4.54
CC84983		0.10	0.5	2.38	27	<10	260	0.6	<2	1.01	<0.5	17	102	83	3.65



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CERTIFICATE OF ANALYSIS VA10096397

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC84955		<1	0.09	10	1.03	647	<1	0.08	48	750	4	0.09	<2	5	59
CC84956		1	0.10	<10	1.95	670	<1	0.14	92	510	9	0.03	<2	5	83
CC84957		<1	0.08	10	0.82	545	1	0.10	34	520	6	0.08	<2	4	42
CC84958		<1	0.09	10	1.53	498	<1	0.12	54	640	4	0.07	<2	5	64
CC84959		1	0.10	10	2.23	643	<1	0.06	102	530	25	0.08	<2	10	66
CC84960		<1	0.07	10	0.90	415	1	0.06	41	930	5	0.14	<2	3	52
CC84961		1	0.14	10	2.04	536	<1	0.07	115	670	6	0.07	<2	5	67
CC84962		1	0.09	<10	2.79	533	<1	0.07	233	480	3	0.04	<2	7	72
CC84963		1	0.08	10	1.61	582	<1	0.08	74	720	3	0.07	<2	7	68
CC84964		<1	0.06	10	0.79	527	1	0.06	45	970	4	0.12	<2	3	58
CC84965		1	0.10	10	1.49	583	<1	0.06	97	840	5	0.09	<2	6	61
CC84966		<1	0.19	10	1.45	452	<1	0.07	52	650	4	0.09	<2	7	105
CC84967		<1	0.20	<10	2.65	394	<1	0.09	144	370	3	0.07	<2	7	79
CC84968		<1	0.12	10	1.55	435	<1	0.06	105	510	4	0.04	<2	5	32
CC84969		<1	0.11	10	1.00	559	1	0.08	36	820	4	0.09	<2	5	58
CC84970		<1	0.06	10	0.48	448	1	0.06	20	560	5	0.09	<2	3	36
CC84971		<1	0.09	10	0.96	680	1	0.06	44	930	5	0.10	<2	4	51
CC84972		<1	0.12	<10	1.57	519	<1	0.09	51	530	2	0.04	<2	8	60
CC84973		<1	0.12	10	0.78	503	<1	0.08	27	610	5	0.09	<2	4	39
CC84974		<1	0.09	10	0.68	545	1	0.06	22	740	5	0.09	<2	4	39
CC84975		<1	0.07	<10	1.16	759	<1	0.10	48	610	6	0.06	5	8	86
CC84976		<1	0.07	10	0.84	625	<1	0.09	32	620	4	0.08	<2	4	49
CC84977		<1	0.08	10	0.62	497	1	0.07	22	850	3	0.10	<2	3	47
CC84978		<1	0.05	<10	1.30	629	<1	0.07	37	700	3	0.05	<2	7	42
CC84979		<1	0.06	10	0.53	629	1	0.06	21	900	3	0.13	<2	3	45
CC84980		<1	0.09	10	1.34	666	<1	0.09	37	730	3	0.10	3	7	44
CC84981		<1	0.13	10	1.69	648	<1	0.06	108	840	4	0.10	4	6	59
CC84982		<1	0.26	10	1.36	706	<1	0.04	76	580	3	0.03	<2	7	25
CC84983		<1	0.12	10	1.18	713	<1	0.07	61	890	4	0.10	<2	5	57



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CERTIFICATE OF ANALYSIS VA10096397

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ST44
		Ti	Ti	U	V	W	Zn	Au
		%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2	0.0001
CC84955		0.07	<10	<10	64	<10	77	0.0086
CC84956		0.07	<10	<10	70	<10	57	0.0247
CC84957		0.09	<10	<10	67	<10	75	0.0027
CC84958		0.07	<10	<10	68	<10	56	0.0033
CC84959		0.03	<10	<10	74	<10	64	0.0202
CC84960		0.05	<10	<10	54	<10	58	0.0050
CC84961		0.07	<10	<10	75	<10	61	0.0057
CC84962		0.11	<10	<10	86	<10	48	0.0042
CC84963		0.08	<10	<10	90	<10	53	0.0025
CC84964		0.05	<10	<10	62	<10	48	0.0027
CC84965		0.07	<10	<10	80	<10	57	0.0052
CC84966		0.11	<10	<10	96	<10	48	0.0178
CC84967		0.08	<10	<10	71	<10	44	0.0438
CC84968		0.11	<10	<10	83	<10	40	0.0101
CC84969		0.10	<10	<10	84	<10	61	0.0063
CC84970		0.08	<10	<10	64	<10	55	0.0052
CC84971		0.11	<10	<10	88	<10	119	0.0034
CC84972		0.26	<10	<10	115	<10	60	0.0024
CC84973		0.11	<10	<10	74	<10	77	0.0134
CC84974		0.09	<10	<10	84	<10	76	0.0051
CC84975		0.19	<10	<10	111	<10	58	0.0196
CC84976		0.11	<10	<10	82	<10	73	0.0029
CC84977		0.08	<10	<10	74	<10	60	0.0037
CC84978		0.22	<10	<10	112	<10	56	0.0026
CC84979		0.06	<10	<10	60	<10	48	0.0026
CC84980		0.14	<10	<10	101	<10	55	0.0018
CC84981		0.11	<10	<10	101	<10	88	0.0025
CC84982		0.11	<10	<10	87	<10	63	0.0029
CC84983		0.10	<10	<10	82	<10	67	0.0051



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CERTIFICATE OF ANALYSIS VA10096397

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.



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Finalized Date: 19-JUL-2010
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CERTIFICATE VA10094040

Project: Tarsis White River

P.O. No.:

This report is for 15 Rock samples submitted to our lab in Vancouver, BC, Canada on 12-JUL-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER

BILL WENGZYNOWSKI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
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

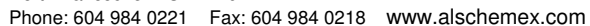
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Ag-OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
Au-AA23	Au 30g FA-AA finish	AAS

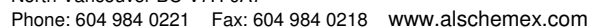
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ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager

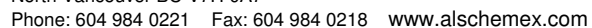
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Account: TARCAP

CERTIFICATE VA10092829

Project: T401

P.O. No.:

This report is for 16 Rock samples submitted to our lab in Vancouver, BC, Canada on 9-JUL-2010.

The following have access to data associated with this certificate:

MARC BLYTHE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
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	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Au-AA23	Au 30g FA-AA finish	AAS

To: TARSIS RESOURCES LTD.

ATTN: MARC BLYTHE

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Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS VA10092829

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
I068101		0.18	0.581	>100	1.30	9080	20	0.07	589	0.11	48.6	2.41	366	13	1.54
I068102		0.12	0.007	4.13	8.22	258	260	0.24	1.55	7.27	5.80	1.50	58.8	136	7.06
I068103		0.82	0.005	4.05	4.27	36	120	0.43	1.57	12.40	2.38	15.00	45.4	87	2.27
I068104		0.86	<0.005	0.81	6.83	45.8	180	0.58	0.59	2.37	0.31	16.30	23.8	119	2.31
I068105		1.02	0.009	1.69	1.42	117.5	1120	0.54	3.34	0.04	0.04	16.35	16.0	17	1.11
I068106		0.30	<0.005	0.24	2.59	15.8	2650	0.91	0.62	0.03	<0.02	11.15	5.1	26	0.74
17323		0.18	0.029	3.83	6.33	4.2	1980	1.99	0.28	2.28	6.67	69.4	6.0	11	3.24
17155		0.46	<0.005	0.25	7.95	102.5	250	0.25	0.38	5.49	2.94	1.43	54.0	133	7.12
17190		0.78	0.021	1.16	6.03	51.9	140	0.40	1.00	2.69	0.12	11.00	17.4	113	1.32
17191		0.54	<0.005	0.06	2.23	36	80	0.40	0.07	21.3	0.03	4.82	11.1	67	0.94
17192		0.46	<0.005	0.08	6.16	136	30	0.50	0.08	15.25	0.03	1.14	31.9	102	0.72
17193		0.34	0.014	0.15	6.28	224	50	0.43	0.05	10.95	0.08	1.08	13.7	87	2.80
17194		0.48	<0.005	1.21	8.08	28.0	390	0.69	1.47	5.26	0.24	38.3	23.6	245	1.90
17195		0.26	0.028	1.53	3.58	43.2	80	0.35	1.07	8.27	5.64	9.13	64.3	86	2.34
17196		0.40	<0.005	0.06	1.38	28	40	0.37	0.05	25.8	0.06	3.83	8.2	36	0.61
17305A		0.30	<0.005	0.03	4.58	19	50	0.58	0.02	22.6	0.05	1.12	7.2	161	4.53



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CERTIFICATE OF ANALYSIS VA10092829

Sample Description	Method Analyte Units LOR	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I068101		38.9	2.20	0.66	<0.1	22.3	0.51	1.4	0.6	0.06	17	42.0	1.04	0.4	85.3	30
I068102		3.92	14.55	0.12	0.3	0.127	1.92	0.5	25.0	2.98	513	0.37	0.93	0.3	127.0	60
I068103		6.18	10.85	0.16	1.0	0.100	0.15	4.7	37.6	2.38	1310	5.08	1.39	1.9	96.0	430
I068104		9.19	18.95	0.22	1.6	0.091	0.42	4.1	35.3	4.50	496	3.60	2.52	3.4	18.6	730
I068105		16.65	8.47	0.26	0.5	0.035	0.48	7.5	4.3	0.07	314	0.54	0.02	2.6	16.7	700
I068106		6.16	16.70	0.13	0.7	0.035	1.05	4.8	4.7	0.10	266	0.69	0.05	5.4	7.8	220
17323		5.56	17.30	0.21	1.8	0.275	2.91	29.9	19.6	0.96	1080	19.65	1.50	7.3	2.8	880
17155		4.14	15.85	0.12	0.3	0.030	1.71	0.5	46.0	2.81	556	0.15	1.40	0.5	93.7	60
17190		9.47	15.50	0.22	1.7	0.033	0.24	3.3	23.8	3.25	374	4.93	2.95	3.5	13.8	670
17191		1.81	5.46	<0.05	0.3	0.020	0.03	1.6	28.5	0.61	2110	0.31	0.01	1.1	27.1	150
17192		3.78	7.91	0.05	0.2	0.012	0.06	<0.5	26.1	2.62	524	0.16	<0.01	0.5	153.0	40
17193		1.65	9.96	<0.05	0.2	0.012	0.30	0.5	28.9	0.18	351	0.19	0.01	0.4	69.5	150
17194		6.05	16.90	0.23	2.1	0.105	0.69	19.6	20.4	3.59	579	0.21	2.93	8.2	53.4	770
17195		5.64	8.51	0.13	1.3	0.033	0.09	3.3	36.8	1.49	995	46.1	1.45	1.7	138.5	320
17196		1.65	3.96	<0.05	0.2	0.012	0.03	1.4	16.7	0.58	1840	0.28	<0.01	0.8	14.9	100
17305A		1.43	4.90	<0.05	0.2	0.010	0.14	0.5	22.1	1.25	556	0.13	<0.01	0.6	44.2	30



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Project: T401

CERTIFICATE OF ANALYSIS VA10092829

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
I068101		202	30.1	0.003	2.23	22.3	1.6	64	98.5	99.5	<0.05	10.95	<0.2	0.018	1.03	0.1
I068102		7.9	59.1	<0.002	0.03	6.42	12.6	1	3.8	202	<0.05	<0.05	<0.2	0.132	2.47	0.1
I068103		2.8	10.3	0.003	1.78	8.19	23.9	3	1.5	151.5	0.13	<0.05	<0.2	0.559	0.33	0.5
I068104		2.9	31.1	0.003	0.76	8.56	46.7	3	2.7	102.5	0.24	0.05	0.2	1.020	0.48	0.5
I068105		2.4	24.2	0.002	0.11	36.7	4.6	3	2.5	8.6	0.20	0.09	3.2	0.096	0.31	0.5
I068106		1.5	41.3	0.002	0.04	9.28	8.1	4	3.9	17.8	0.49	<0.05	5.2	0.143	0.24	0.5
17323		64.2	109.0	0.007	0.02	2.48	10.2	2	4.5	669	0.50	<0.05	6.7	0.281	0.43	2.2
17155		5.4	37.6	<0.002	0.01	5.82	12.1	1	5.7	230	<0.05	<0.05	<0.2	0.134	2.08	0.1
17190		6.2	14.7	0.004	1.92	7.85	44.4	4	2.1	94.2	0.21	0.08	0.2	0.965	0.30	0.5
17191		0.5	2.3	<0.002	0.23	6.67	12.0	1	0.3	109.5	0.05	<0.05	<0.2	0.229	0.11	0.1
17192		0.9	4.4	<0.002	0.03	35.2	9.7	1	0.3	122.0	<0.05	<0.05	<0.2	0.071	0.10	<0.1
17193		0.9	11.1	<0.002	0.01	21.0	7.8	1	0.2	26.9	<0.05	<0.05	<0.2	0.076	0.31	0.2
17194		3.2	43.9	<0.002	0.14	8.38	47.5	4	9.8	388	0.51	0.06	0.5	0.996	0.60	1.1
17195		6.8	6.7	0.004	2.57	12.35	20.0	5	1.0	217	0.10	<0.05	<0.2	0.427	0.77	3.8
17196		1.1	1.7	<0.002	0.07	5.33	8.4	1	0.2	90.9	<0.05	<0.05	<0.2	0.139	0.06	0.2
17305A		1.0	11.1	<0.002	0.01	11.10	10.5	1	0.2	230	<0.05	<0.05	<0.2	0.080	0.08	<0.1



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1103 - 750 W PENDER ST.

VANCOUVER BC V6C 2T8

Page: 2 - D

Total # Pages: 2 (A - D)

Plus Appendix Pages

Finalized Date: 17-JUL-2010

Account: TARCAP

Project: T401

CERTIFICATE OF ANALYSIS VA10092829

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Cu-OG62 Cu % 0.001
I068101		11	8.9	1.6	456	1.5	1120	1.925
I068102		71	0.5	6.2	99	10.4		
I068103		188	1.5	32.5	311	25.8		
I068104		342	1.0	37.5	104	39.6		
I068105		35	4.1	7.3	10	21.6		
I068106		35	4.0	5.9	5	29.4		
17323		90	8.1	19.5	363	56.3		
17155		67	20.9	4.4	112	8.1		
17190		330	0.7	31.4	79	33.3		
17191		80	0.8	17.1	14	5.4		
17192		46	0.4	2.6	27	3.8		
17193		37	3.3	2.3	29	5.2		
17194		322	3.0	33.6	29	41.0		
17195		163	0.4	22.1	801	37.5		
17196		52	0.8	11.4	16	4.4		
17305A		43	1.0	2.9	13	4.4		



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Page: Appendix 1

Total # Appendix Pages: 1

Finalized Date: 17-JUL-2010

Account: TARCAP

Project: T401

CERTIFICATE OF ANALYSIS VA10092829

Method	CERTIFICATE COMMENTS
ME-MS61 ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in this method.



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North Vancouver BC V7H 0A7
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To: **TARSIS RESOURCES LTD.**
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Page: 1
Finalized Date: 21- AUG- 2010
Account: TARCAP

CERTIFICATE VA10089912

Project: White River

P.O. No.:

This report is for 10 Rock samples submitted to our lab in Vancouver, BC, Canada on 14- AUG- 2010.

The following have access to data associated with this certificate:

MARC BLYTHE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- QC	Crushing 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	
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Au- AA23	Au 30g FA- AA finish	AAS

To: **TARSIS RESOURCES LTD.**
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

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



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
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To: TARSIS RESOURCES LTD.
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 Total # Pages: 2 (A - D)
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 Finalized Date: 21- AUG- 2010
 Account: TARCAP

Project: White River

CERTIFICATE OF ANALYSIS VA10089912

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA23 Au ppm 0.005	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
17187		0.20	<0.005	0.18	5.07	5.2	710	1.67	0.27	3.30	1.00	114.0	16.4	255	5.69	10.9
17242		0.56	0.792	>100	5.80	>10000	240	0.57	352	0.33	42.0	13.00	191.0	102	4.77	2300
17243		0.46	0.070	1.82	1.22	1740	120	0.19	2.39	0.17	0.16	6.14	3.5	18	0.91	507
I068099		0.40	0.216	2.22	8.42	128.0	40	0.33	3.06	6.76	2.58	35.6	411	357	1.00	9930
I068074		0.30	1.025	36.0	8.96	4670	150	0.97	49.4	0.21	25.0	6.41	191.5	47	1.65	1870
I068103		1.48	0.009	0.41	4.54	23	90	0.33	0.49	13.95	1.08	11.25	35.2	90	2.04	974
I068104		0.76	0.021	1.60	6.33	69.9	210	0.34	0.91	1.96	0.11	9.41	11.8	119	1.21	449
I068105		1.26	0.009	0.26	1.91	127.5	1530	0.41	3.13	0.05	<0.02	11.20	19.7	18	1.16	190.5
I068106		0.60	<0.005	0.18	1.74	57.4	1500	0.54	1.57	0.02	<0.02	16.15	14.2	23	0.62	237
G092489		0.42	<0.005	0.20	1.36	27.3	170	0.44	1.04	0.14	0.07	21.7	21.3	28	2.54	158.0



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Page: 2 - B
 Total # Pages: 2 (A - D)
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 Finalized Date: 21- AUG- 2010
 Account: TARCAP

Project: White River

CERTIFICATE OF ANALYSIS VA10089912

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
17187		3.46	13.95	0.20	3.7	0.056	3.07	56.0	16.5	1.98	1020	0.85	0.05	32.5	59.2	1120
17242		25.6	11.30	0.62	0.1	4.39	1.20	8.7	2.5	0.20	46	8.40	2.55	0.8	50.0	150
17243		19.80	6.85	0.32	0.5	0.031	0.32	3.0	3.9	0.10	96	6.62	0.12	4.3	5.2	260
I068099		6.11	18.90	0.19	0.6	0.129	0.49	24.3	24.0	4.56	686	0.18	2.29	0.8	163.0	60
I068074		11.60	7.47	0.24	0.1	2.28	0.89	4.1	4.7	0.11	24	2.35	5.52	0.5	58.3	40
I068103		6.13	11.30	0.13	1.9	0.063	0.11	4.0	36.4	2.52	1280	6.18	1.41	2.3	60.5	480
I068104		9.04	17.55	0.21	3.1	0.061	0.34	2.8	17.8	2.88	301	6.38	3.18	3.7	8.5	700
I068105		20.2	10.30	0.31	1.7	0.021	0.66	6.3	4.3	0.07	344	0.54	0.04	3.1	18.7	760
I068106		11.25	13.85	0.22	1.8	0.021	0.63	8.2	3.5	0.06	278	1.71	0.03	4.1	18.7	230
G092489		2.09	5.56	<0.05	0.5	0.022	0.42	9.6	16.8	0.44	5180	1.17	0.11	2.5	58.9	90



ALS Canada Ltd.
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Project: White River

CERTIFICATE OF ANALYSIS VA10089912

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
17187		35.4	107.0	<0.002	3.00	0.61	11.9	2	1.8	64.8	1.85	<0.05	12.7	0.606	0.50	2.2
17242		305	94.2	<0.002	1.55	75.4	4.2	17	43.3	153.0	<0.05	7.92	<0.2	0.028	1.51	1.1
17243		8.2	23.9	<0.002	0.07	15.20	1.8	14	2.2	20.1	0.30	2.38	2.8	0.122	0.19	1.8
I068099		2.3	32.5	<0.002	0.06	6.52	29.9	2	19.3	55.1	0.05	0.13	<0.2	0.284	0.43	0.7
I068074		53.0	55.3	<0.002	0.53	15.55	2.2	3	14.3	188.5	<0.05	1.66	<0.2	0.019	0.63	0.7
I068103		3.1	8.6	0.003	1.75	9.19	24.4	3	1.3	155.5	0.14	<0.05	<0.2	0.628	0.39	0.6
I068104		11.7	24.5	0.002	0.82	17.15	38.9	6	3.5	107.0	0.25	0.11	0.2	1.070	0.49	0.6
I068105		2.4	30.8	0.003	0.12	36.9	5.1	3	3.4	9.6	0.23	0.07	3.5	0.116	0.35	0.8
I068106		2.3	30.2	0.002	0.06	29.5	5.2	8	2.8	9.9	0.28	0.06	4.3	0.110	0.22	0.9
G092489		3.6	35.7	<0.002	0.31	4.91	3.7	1	1.0	8.2	0.15	0.37	1.9	0.072	0.28	0.7



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Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21- AUG- 2010
Account: TARCAP

Project: White River

CERTIFICATE OF ANALYSIS VA10089912

Sample Description	Method Analyte Units LOR	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Ag- OG62
		V	W	Y	Zn	Zr	Ag
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 1
17187		102	1.6	24.2	133	139.0	174
17242		32	0.7	2.0	1440	2.6	
17243		28	122.5	3.5	14	17.9	
I068099		148	2.3	9.4	823	15.1	
I068074		14	0.9	1.6	216	2.7	
I068103		198	1.1	28.5	224	59.1	
I068104		329	0.8	26.3	63	98.4	
I068105		36	5.6	7.3	10	51.0	
I068106		28	4.0	9.0	8	61.2	
G092489		63	0.8	6.1	30	21.4	

***** See Appendix Page for comments regarding this certificate *****



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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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21- AUG- 2010
Account: TARCAP

Project: White River

CERTIFICATE OF ANALYSIS VA10089912

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 West Hastings Street
Vancouver, B.C. V6B 1L8

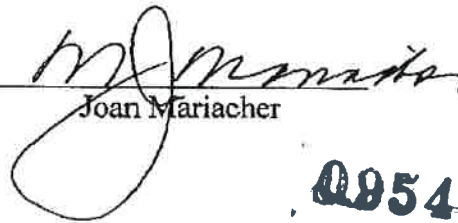
Telephone: 604-688-2568

Fax: 604-688-2578

AFFIDAVIT

I, Joan Mariacher, of Vancouver, B.C. make oath and say:

That to the best of my knowledge the attached Statement of
Expenditures for exploration work on the White 1-308 mineral claims
on Claim Sheet 115K/1 is accurate.

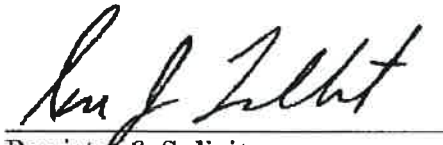

Joan Mariacher

095494

Sworn before me at Vancouver, B.C.

this 9th day of September 2011.

095494


Barrister & Solicitor

IAN J. TALBOT
Barrister & Solicitor
281 East 5th Street
North Vancouver
British Columbia
Canada V7L 1L8

Statement of Expenditures
White 1-308 Mineral Claims
September 9, 2011

Labour

Lamont Leatherman	\$ 4,368.00
Rio Minerals Limited	66,984.75
Skivik Holdings Ltd.	7,840.00
Michael Cooly Consulting	1,680.00
Andrew Molnar	<u>8,114.25</u>
	88,987.00

Expense

Discovery Yukon Lodging	15,080.93
Capital Helicopters	10,654.08
Smart Map Services	1,234.80
ALS Chemex	29,491.27
Moonraker Multimedia Inc.	1,764.00
Trans North Helicopters	<u>14,812.89</u>
	73,037.97

Total	<u>\$162,024.97</u>
-------	---------------------

<u>Claim</u> <u>Number</u>	<u>Number of</u> <u>Samples</u>	<u>Cost</u>	<u>Claim</u> <u>Number</u>	<u>Number of</u> <u>Samples</u>	<u>Cost</u>
White 1	4	\$ 440.29	White 176	10	\$ 1,100.71
3	6	660.43	177	4	440.29
4	1	110.07	178	9	990.64
5	57	6,274.06	179	11	1,210.78
6	14	1,541.00	180	10	1,100.71
7	81	8,915.78	183	1	110.07
8	20	2,201.43	185	4	440.29
9	99	10,897.06	202	1	110.07
10	18	1,981.28	204	12	1,320.86
11	16	1,761.14	205	4	440.29
12	4	440.29	206	16	1,761.14
21	35	3,852.50	207	15	1,651.07
22	63	6,934.49	208	12	1,320.86
23	40	4,402.85	209	20	2,201.43
24	79	8,695.63	211	15	1,651.07
26	82	9,025.85	212	13	1,430.93
28	16	1,761.14	214	10	1,100.71
35	4	440.29	215	6	660.43
37	36	3,962.57	216	12	1,320.86
39	36	3,962.57	233	1	110.07
41	28	3,082.00	234	10	1,100.71
53	8	880.57	235	5	550.36
54	30	3,302.14	237	10	1,100.71
55	15	1,651.07	238	11	1,210.78
56	50	5,503.57	240	1	110.07
68	4	440.29	242	11	1,210.78
70	36	3,962.57	257	7	770.50
72	36	3,962.57	258	9	990.64
74	28	3,082.00			
89	27	2,971.93			
90	27	2,971.93			
91	45	4,953.21			
92	45	4,953.21			
97	27	2,971.93			
98	21	2,311.50			
99	45	4,953.21			
100	35	3,852.50			
174	4	440.29			
Total			1,472 \$ 162,024.97		

continue on next table

LEATHERMAN
GEOLOGICAL
CONSULTING

LAMONT LEATHERMAN
1438 Mt Newton Xrd Saanichton,
BC. V8M 1S1
Phone: 250-652-9035
Email: lleatherman.lgc@gmail.com

Tarsis Resources
Attn: Marc Blythe

Invoice No.: TCC_6_17_11
Date: June_17_2011

				HST
June 7, 2011	Travel-Black Hills to White River	Prospecting in area	\$ 650.00	\$ 78.00
June 8, 2011	White River Area - Mapping and Prospecting		\$ 650.00	\$ 78.00
June 9, 2011	White River Area - Mapping and Prospecting		\$ 650.00	\$ 78.00
June 10, 2011	Burwash - Rosie Property - Prospecting		\$ 650.00	\$ 78.00
June 11, 2011	Burwash - Rosie Property - Prospecting		\$ 650.00	\$ 78.00
June 12, 2011	Haines Junc - Burns Property-Mapping and Prospecting		\$ 650.00	\$ 78.00
June 13, 2011	Haines Junc - Burns Property-Mapping and Prospecting		\$ 650.00	\$ 78.00
June 14, 2011	Haines Junc - Burns Property-Mapping and Prospecting		\$ 650.00	\$ 78.00
	Travel - Hains Junc to Victoria			

SUBTOTAL	\$ 5,200.00	
GST (86052 6599 RT0001)	\$ 624.00	
TOTAL	\$ 5,824.00	CAD

NOTE: Please make cheques payable to Lamont Leatherman

POSTED

White River 291V.

LEATHERMAN
GEOLOGICAL
CONSULTING

LAMONT LEATHERMAN
1438 Mt Newton Xrd Saanichton,
BC. V8M 1S1
Phone: 250-852-8035
Email: lleatherman.lgc@gmail.com

Tarsis Resources
Attn: Marc Blythe

Invoice No.: TCC_8_23_11
Date: August_23_2011

			HST
August 15, 2011	Travel-Black Hills to White River	\$	-
August 16, 2011	White River Area - Prospecting	\$ 650.00	\$ 78.00
August 17, 2011	Travel to Burwash - Prospecting	\$ 650.00	\$ 78.00
August 18, 2011	Burwash - Prospecting	\$ 650.00	\$ 78.00
August 19, 2011	Burwash - Prospecting	\$ 650.00	\$ 78.00
August 20, 2011	Burwash - Prospecting	\$ 650.00	\$ 78.00
August 21, 2011	Prospecting, travel to Whitehorse and on to Victoria	\$ 650.00	\$ 78.00

SUBTOTAL	\$ 3,900.00	
GST (86052 6599 RT0001)	\$ 468.00	
TOTAL	\$ 4,368.00	CAD

NOTE: Please make check payable to Lamont Leatherman

White River - 1456.

STED

①

Rio Minerals Limited

Mineral Exploration and Development

910 - 475 Howe Street
Vancouver, British Columbia
Canada. V6C 2B3
email: info@riominerals.com
Telephone: (604) 671-2245
Fax: (604) 871-0231

INVOICE

Date: June 15, 2011
Company: Tarsis Resources Ltd.
Project: Yukon projects - 11
Invoice No. 034-11

Charges:

Time Charges:	42.0 @ 450/day	22 wk	\$ 18900.00
Vehicles:	21.0 @ 105/day	11 wk	\$ 2205.00
Sub-total:			\$ 21105.00
GST:	05%		\$ 1055.25
Sub total:			\$ 22160.25
Expenses:			\$ 4821.17
Sub total:			\$ 26981.42
Advance:			\$ 25000.00
<u>Amount Due Cdn:</u>			\$ 1981.42

paid \$1508.92
= \$472.50

White River - 11607.75

THANK YOU

THIS PROFESSIONAL ACCOUNT IS DUE ON PRESENTATION
PLEASE MAKE CHEQUES PAYABLE TO RIO MINERALS LIMITED.
OVERDUE ACCOUNTS WILL INCUR INTEREST CHARGES. E. & O.E.

**Rio Minerals Limited – Tarsis Resources Ltd.
Yukon Projects Personnel Sheet — June 01-15, 2011**

Legend

Name	Letter Code
Robert Paeseler	RP
Neil Johnson	NJ
Lyle Gregory	LG
Andrew Molnar	AM
Bruce Brownlee	BB
Victor Mowatt	VM
Brandon Johnson	BJ
Derrick Strickland P. Geo	DS
Vehicles	
GMC 1	G-1
Dodge	D
Chevy	C

Date	Field Crew	Project	Mandays	Truck	Project	Mandays	Truck
June 1							
June 2							
June 3							
June 4							
June 5							
June 6							
June 7	RP, NJ	W.R.	2.0		-	-	1.0
June 8	RP, NJ	W.R.	2.0		-	-	1.0
June 9	AM, RP, BB, NJ	Burns	2.0	1.0	White River	2.0	1.0
June 10	AM, RP, BB, NJ	Quarry	2.0	1.0	White River	2.0	1.0
June 11	AM, RP, BB, NJ, VM, BJ	Rosie	4.0	1.0	White River	2.0	2.0
June 12	AM, RP, BB, NJ, VM, BJ	Burns	4.0	1.0	White River	2.0	3.0
June 13	AM, RP, BB, NJ, VM, BJ	Burns	4.0	1.0	White River	2.0	2.0
June 14	AM, RP, BB, NJ, VM, BJ	W.R.	4.0	-	Rouge	2.0	2.0
June 15	AM, RP, BB, NJ, VM, BJ	W.R.	4.0	-	Rouge	2.0	3.0
June 16							
June 17							
June 18							
June 19							
June 20							
June 21							
June 22							
June 23							
June 24							
June 25							
June 26							
June 27							
June 28							
June 29							
June 30							
Totals			28.0	5.0		14.0	16.0

WR 22 + 11

Burns 10 + 3

Rogue 4 + 5

Rosie 4 + 1

Quarry 2 + 1 - (not announced)

Rio Minerals Limited

Mineral Exploration and Development

910 - 475 Howe Street
 Vancouver, British Columbia
 Canada. V6C 2B3
 email: info@riominerals.com
 Telephone: (604) 671-2245
 Fax: (604) 871-0231

INVOICE

Date: June 30, 2011
 Company: Tarsis Resources Ltd.
 Project: Yukon projects - 11
 Invoice No. 037-11

Charges:

Time Charges:	75.0 @ 450/day	<i>white paper</i> 67	\$ 33750.00	30/50-
Vehicles:	24.0 @ 105/day	18	\$ 2310.00	1890.
Sub-total:			\$ 36060.00	<u>32040</u>
GST:	05%		\$ 1803.00	
Sub total:			\$ 37863.00	33642.
Expenses:			\$ -	
Sub total:			\$ 37863.00	
<u>Amount Due Cdn:</u>		POSTED <i>sub</i>	\$ 37863.00	✓

THANK YOU

THIS PROFESSIONAL ACCOUNT IS DUE ON PRESENTATION
 PLEASE MAKE CHEQUES PAYABLE TO RIO MINERALS LIMITED.
 OVERDUE ACCOUNTS WILL INCUR INTEREST CHARGES. E. & O.E.

**Rio Minerals Limited – Tarsis Resources Ltd.
Yukon Projects Personnel Sheet — June 16-31, 2011**

Legend

Name	Letter Code
Robert Paeseler	RP
Neil Johnson	NJ
Lyle Gregory	LG
Andrew Molnar	AM
Bruce Brownlee	BB
Victor Mowatt	VM
Brandon Johnson	BJ
Craig Morrison	CM
Derrick Strickland P. Geo	DS
Vehicles	
GMC 1	G-1
Dodge	D
Chevy	C

Date	Field Crew	Project	Mandays	Truck	Project	Mandays	Truck
June 1							
June 2							
June 3							
June 4							
June 5							
June 6							
June 7							
June 8							
June 9							
June 10							
June 11							
June 12							
June 13							
June 14							
June 15							
June 16	RP, BB, NJ, VM, BJ	Faro	2.0	1.0	W.R.	3.0	1.0
June 17	RP, BB, NJ, VM, BJ	Faro	2.0	1.0	W.R.	3.0	1.0
June 18	RP, BB, NJ, VM, BJ	Faro	2.0	1.0	W.R.	3.0	1.0
June 19	RP, BB, NJ, VM, BJ	Faro	2.0	1.0	W.R.	3.0	1.0
June 20	RP, BB, NJ, VM, BJ	-	-		W.R.	5.0	2.0
June 21	RP, BB, NJ, VM, BJ	-	-		W.R.	5.0	2.0
June 22	RP, BB, NJ, VM, CM	-	-		W.R.	5.0	2.0
June 23	RP, BB, NJ, VM, CM	-	-		W.R.	5.0	1.0
June 24	RP, BB, NJ, VM, CM	-	-		W.R.	5.0	1.0
June 25	RP, BB, NJ, VM, CM	-	-		W.R.	5.0	1.0
June 26	RP, BB, NJ, VM, CM	-	-		W.R.	5.0	1.0
June 27	RP, BB, NJ, VM, CM	-	-		W.R.	5.0	1.0
June 28	RP, BB, NJ, VM, CM	-	-		W.R.	5.0	1.0
June 29	RP, BB, NJ, VM, CM	-	-		W.R.	5.0	1.0
June 30	RP, BB, NJ, VM, CM	-	-		W.R.	5.0	1.0
Totals			8.0	4.0		67.0	18.0

WR 67+18

(Regre) Faro 8+4

Rio Minerals Limited

Mineral Exploration and Development

910 - 475 Howe Street
 Vancouver, British Columbia
 Canada. V6C 2B3
 email: info@riominerals.com
 Telephone: (604) 671-2245
 Fax: (604) 871-0231

INVOICE

Date: July 15, 2011
 Company: Tarsis Resources Ltd.
 Project: Yukon Projects - 11
 Invoice No. 042-11

Charges:

Time Charges:	67.0 @ 450/day	\$ 30150.00
Vehicles:	26.0 @ 105/day	\$ 2730.00
Sub-total:		\$ 32880.00
GST:	05%	\$ 1644.00
Sub total:		\$ 34524.00
Expenses:		\$ -
Sub total:		\$ 34524.00
<u>Amount Due Cdn:</u>		\$ <u>34524.00</u>

WR 20700.00 ✓
 Resid 9450.00
 WR 1680 ✓
 Resid 1050

POSTED

White River
 21700.00

(Handwritten signature)

THANK YOU

THIS PROFESSIONAL ACCOUNT IS DUE ON PRESENTATION
 PLEASE MAKE CHEQUES PAYABLE TO RIO MINERALS LIMITED.
 OVERDUE ACCOUNTS WILL INCUR INTEREST CHARGES. E. & O.E.

**Rio Minerals Limited – Tarsis Resources Ltd.
Yukon Projects Personnel Sheet — July 01-31, 2011**

Legend

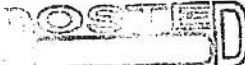
Name	Letter Code
Robert Paeseler	RP
Neil Johnson	NJ
Craig Morrison	CM
Andrew Molnar	AM
Bruce Brownlee	BB
Victor Mowatt	VM
Brandon Johnson	BJ
Derrick Strickland P. Geo	DS
Vehicles	
GMC 1	G-1
Dodge	D
Chevy	C

Date	Field Crew	Project	Mandays	Truck	Project	Mandays	Truck
July 1	RP, BB, NJ, VM, CM	White River	5.0	1.0	-	-	-
July 2	RP, BB, NJ, VM, CM	White River	5.0	1.0	-	-	-
July 3	RP, BB, NJ, VM, CM	White River	5.0	1.0	-	-	-
July 4	RP, BB, NJ, VM, CM	White River	5.0	1.0	-	-	-
July 5	RP, BB, NJ, VM, CM	White River	5.0	1.0	-	-	-
July 6	RP, BB, NJ, VM, CM	White River	5.0	1.0	-	-	-
July 7	RP, BB, NJ, VM, CM	White River	5.0	1.0	-	-	-
July 8	RP, BB, NJ, VM, CM	White River	5.0	3.0	-	-	-
July 9	RP, BB, NJ, VM, CM	White River	2.0	2.0	Rosie	3.0	2.0
July 10	RP, BB, NJ, VM, CM	White River	2.0	2.0	Rosie	3.0	2.0
July 11	RP, BB, NJ, VM, CM	White River	2.0	2.0	Rosie	3.0	2.0
July 12	NJ, VM, CM	-	-	-	Rosie	3.0	1.0
July 13	NJ, VM, CM	-	-	-	Rosie	3.0	1.0
July 14	NJ, VM, CM	-	-	-	Rosie	3.0	1.0
July 15	NJ, VM, CM	-	-	-	Rosie	3.0	1.0
July 16							
July 17							
July 18							
July 19							
July 20							
July 21							
July 22							
July 23							
July 24							
July 25							
July 26							
July 27							
July 28							
July 29							
July 30							
July 31							
Totals			46.0	16.0		21.0	10.0

e-mail copies sent July 3rd**Skivik Holding Corporation Limited**301 Fairway Drive
North Vancouver BC
V7G 1L4**Invoice**

Date	Invoice #
03/07/2011	67

Invoice ToTarsis Resources Ltd
Suite 1103
750 West Pender Street
Vancouver BC V6C 2T8
Canada

Description	Amount
geological consultation for June 1st to 30th 2011, 28 hours at \$125/hour	3,500.00
HST (BC) on sales	420.00
	

Phone #

604-990-4889

E-mail

mhartvik@telus.net

Total

\$3,920.00

GST/HST No.

855920989

Skivik Holding Corporation Limited

301 Fairway Drive
North Vancouver BC
V7G 1L4

Invoice

Date	Invoice #
02/08/2011	69

Invoice To

Tarsis Resources Ltd
Suite 1103
750 West Pender Street
Vancouver BC V6C 2T8
Canada

Description	Amount
geological consultation for July 1st to 31st 2011	3,500.00
HST (BC) on sales	420.00
	

Phone #

604-990-4889

E-mail

mhartvik@telus.net

Total**\$3,920.00****GST/HST No.**

855920989



Michael Cooley Consulting

52 Wolfe Street, Kingston, ON K7M 1H5

613-544-8581 613-483-1245 (cell)

cooleyconsulting@sympatico.ca

macooley@geologist.com

GST # 861327963RT0001

Invoice # 23-08-11

Date: August 23, 2011

Bill To:

Tarsis Resources
1103 - 750 West Pender Street
Vancouver, BC, V6C 2T8
Telephone: +1-604-689-7644

Attention:

Marc Blythe
President and C. E. O.
Tarsis Resources

Description	# Days	Daily Rate	Amount
Prospecting and property evaluation of various targets in SW Yukon during the period August 16 to August 22, 2011.	7	\$800.00	\$5,600.00
<i>2 days for white river 1680.</i> POSTED			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
		Subtotal	\$5,600.00
		GST (5%)	\$280.00
		HST	
		Total	\$5,880.00

88

EXPENSE STATEMENT

Taris Resources		Project		White River		Pay Period				
Yukon Projects - 11		Client		Taris		From				
Taris expenses		Manager		Andrew Mohar		To				
Description	Accom	Transport	Rentals	Fuel	Per diem	Meals	Rentals	Supplies	HST/GST	TOTAL
supplies	\$1,800.70	T.						\$321.14	\$17.28	\$338.40
accommodation									\$95.39	\$1,896.09
truck										
Food				\$4,140.83		\$522.02			\$10.81	\$532.83
Fuel									\$180.90	\$4,301.73
parking										
Wages										
copies										
phone										
Per diem 10x45					\$450.00					\$450.00
Rentals										\$595.20
transport										
airfare										
bank charges										
fees										
shipping										
Taxi										
	\$1,800.70			\$4,140.83	\$450.00	\$522.02	\$595.20	\$321.14	\$284.38	\$8,114.25
									Sub Total	\$8,114.25
									TOTAL	\$8,114.25

Notes

please make checks payable to Andrew Molnar

Reimbursement

Payment Needed

satellite phone

1818892

 $+150.$

7838.81

01/01/2010 06:31 FAX 18678627408

WHITERVRY

002

INVOICE

42289 Yukon Inc. dba Discovery Yukon Lodgings
Mile 1169 Alaska Highway, Beaver Creek
Yukon Y0B 1A0

Phone: (867) 862 7408**BN: 84261 0099**

Tarsis Resources 1103 -750 Pender Street Vancouver BC V6C 2T8
--

12th July 2011
Invoice No: 11/05

Accommodation & Meals 6 th June to 8 th July 2011	14,362.80
As per attached spread sheet	

GST 5%	<u>718.13</u>
--------	---------------

Total Due


\$15,080.93

Terms: Nett 7 days

CAPITAL HELICOPTERS (1995) INC.

Suite 3 - 25 Pilgrim Place, Whitehorse, Y.T. Y1A 8E8
Phone: (867) 668-6200 Fax: (867) 668-6201
capitalhcl@polarroom.com



Charter and
Contract Service

INVOICE

NO. 11551

DATE 15/06/2011

PAGE 1 of 2

SOLD
TO

Tarsis Resources Ltd.
1103-750 W Pender Street
Vancouver, BC V6C 2T8

SHIP
TO

Tarsis Resources Ltd.
1103-750 W Pender Street
Vancouver, BC V6C 2T8

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	GST PST	UNIT PRICE	AMOUNT
June 7	4.1	hrs	YXY-White River-s/o-recci-Mt Koldem area-White River-p/u recci-White River	G	1,025.00	4,202.50
June 8	1.7	hrs	White R-Mt Koldem-Donjeck-Pick Handle-Ik area-Mt Koldem-White R	G	1,025.00	1,742.50
June 9	4.1	hrs	White R-Mt Koldem-s/o-White R-Mt Koldem-Burwash	G	1,025.00	4,202.50
June 10	1.9	hrs	Burwash-Tyrell ck area-s/o-recci-move crew-Burwash	G	1,025.00	1,947.50
June 11	7.9	hrs	Burwash-Tyrell area-s/o-move crew-recci-Ryollite ck area-p/u-Burwash-Haines Jct	G	1,025.00	8,097.50
June 12	4.5	hrs	Haines Jct-Aishinik headwaters-s/o-recci-shuttle crew-p/u-Haines Jct	G	1,025.00	4,612.50
June 13	4.2	hrs	Haines Jct-shuttle-w Aishinik R-recci-shuttle-p/u-Haines Jct	G	1,025.00	4,305.00
June 14	3.8	hrs	Haines Jct-shuttle-w Aishinik-s/o-recci-p/u-Haines Jct-Whitehorse	G	1,025.00	3,895.00
	285.0	hrs	fuel@YXY	G		493.05
			G - GST 5.00% GST			1,674.93
Thank You! Your Business Is Appreciated! Fuel Price Includes Federal and Yukon Tax						Continued...
TOTAL						

White River - 10654.88

SMART MAP**Smart Map Services**

649 East Keith Road
North Vancouver, B.C.
V7L 1W4
Tel: 980-3252

Invoice Date: August 31, 2011

Client: Tarsis Resources

Project: White River Compilation

Project-ID: TAR-085-2011- White_River

Invoice for GIS Compilation White River

Time Period: July, August, 2011

Staff	Hours	Rate	Total
Bob Plummer	10.5	\$105.00	\$1102.50

FEES TOTAL **\$1,102.50**

Plotting	\$0.00
Scanning	\$0.00

Total (Fees and Plotting, scanning) **\$1,102.50**

HST TOTAL **\$132.30**

Invoice Total **\$1,234.80**

GST Number: RT000186903 1864

Please make cheque payable to Smart Map Services upon receipt of invoice. Thank-you.
**Net due on receipt. Interest at 18% per annum charged monthly on
overdue accounts.**

Thanks for the work.

Page 1 of 1

To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218

www.alsglobal.com



minerals

INVOICE NUMBER 2328136

BILLING INFORMATION	
Certificate:	WH11114317
Sample Type:	Soil
Account:	TARCAP
Date:	11-JUL-2011
Project:	Y - 11
P.O. No.:	
Quote:	Due on Receipt
Terms:	CI
Comments:	

QUANTITY	CODE	ANALYSED FOR	DESCRIPTION	UNIT	PRICE	TOTAL
52	PREP-41		Dry, Sieve (180 um) Soil	1.40		72.80
18.53	PREP-41		Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.25		41.69
52	AU-AA23		Au 30g FA-AA finish	15.30		795.60
52	ME-MS41		51 anal. aqua regia ICPMS	18.55		964.60
52	GEO-AR01		Aqua regia digestion	3.50		182.00

W. L. R. R. R.

POSTED

SUBTOTAL (CAD) \$ 2,056.69
R100938885 HST BC \$ 246.80
TOTAL PAYABLE (CAD) \$ 2,303.49

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYCCAT2
Address: Vancouver, BC, CAN
Account: 003-00010-1001098
Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To:
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218

www.alsglobal.com



minerals

INVOICE NUMBER 2328354

BILLING INFORMATION	
Certificate:	WH11107537
Sample Type:	Sediment
Account:	TARCAP
Date:	7-JUL-2011
Project:	Y-11
P.O. No.:	
Quote:	
Terms:	Due on Receipt
Comments:	C1

QUANTITY	CODE	ANALYSED FOR DESCRIPTION	UNIT PRICE	TOTAL
74	PREP-41	Dry, Sieve (180 um) Soil	1.40	103.60
43.06	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.25	96.89
74	Au-AA23	Au 30g FA- AA finish	15.30	1,132.20
74	ME-MS41	51 anal. aqua regia ICPMS	18.55	1,372.70
74	GEO-AR01	Aqua regia digestion	3.50	259.00

POSTED

SUBTOTAL (CAD) \$ 2,964.39
R100938885 HST BC \$ 355.73
TOTAL PAYABLE (CAD) \$ 3,320.12

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYCCAT2
Address: Vancouver, BC, CAN
Account: 003-00010-1001098
Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To:
ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7



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

To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Page 1 of 1

INVOICE NUMBER 2327191 ✓

BILLING INFORMATION

Certificate: WH11107535
Sample Type: Sediment
Account: TARCAP
Date: 8-JUL-2011
Project: Y-11

P.O. No.:
Quote:
Terms:
Comments:

Due on Receipt

CI

ANALYSED FOR

QUANTITY	CODE	DESCRIPTION	UNIT PRICE	TOTAL
54	PREP-41	Dry, Sieve (180 um) Soil	1.40	75.60
29.42	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.25	66.20
54	ME-MS41	51 anal. aqua regia ICPMS	18.55	1,001.70
54	GEO-AR01	Aqua regia digestion	3.50	189.00
54	Au-AA23	Au 30g FA-AA finish	15.30	826.20

Wife

POSTED
P. 11/11/11

SUBTOTAL (CAD) \$ 2,158.70

R100938885 HST BC \$ 259.04

TOTAL PAYABLE (CAD) \$ 2,417.74

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYCCAT2
Address: Vancouver, BC, CAN
Account: 003-00010-1001088

Please send payment info to accounting.canusa@alsglobal.com

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Please Remit Payments To:
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7



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

To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

INVOICE NUMBER 2327333

BILLING INFORMATION

Certificate: WH11107534
Sample Type: Sediment
Account: TARCAP
Date: 9-JUL-2011
Project: Y-11
P.O. No.:
Quote:
Terms: Due on Receipt
Comments: C1

ANALYSED FOR		QUANTITY	CODE	DESCRIPTION	UNIT PRICE	TOTAL
52	PREP-41	29.06		Dry, Sieve (180 um) Soil	1.40	72.80
52	ME-MS41			Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.25	65.39
52	GEO-AR01			51 anal. aqua regia ICPMS	18.55	964.60
52	Au-AA23			Aqua regia digestion	3.50	182.00
				Au 30g FA-AA finish	15.30	795.60

Wet line

POSTED

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

SUBTOTAL (CAD) \$ 2,080.39
R100938885 HST BC \$ 249.65
TOTAL PAYABLE (CAD) \$ 2,330.04

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYCCAT2
Address: Vancouver, BC, CAN
Account: 003-00010-1001098
Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To:
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218

www.alsglobal.com



minerals

INVOICE NUMBER 2327130

BILLING INFORMATION		ANALYSED FOR	
Certificate:	WH11107532	QUANTITY	CODE
Sample Type:	Sediment	14	PREP-41
Account:	TARCAP	35.38	PREP-41
Date:	7-JUL-2011	14	ME-MS41
Project:	Y-11	14	GEO-AR01
P.O. No.:		14	Au-AA23
Quote:			
Terms:	Due on Receipt		
Comments:	C1		

SUBTOTAL (CAD) \$ 622.11
R100938885 HST BC \$ 74.65
TOTAL PAYABLE (CAD) \$ 696.76

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYCCAT2
Address: Vancouver, BC, CAN
Account: 003-00010-1001098
Please send payment info to accounting.canusa@alsglobal.com

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Please Remit Payments To:
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

Page 1 of 1

To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

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



minerals

INVOICE NUMBER 2327125

BILLING INFORMATION	
Certificate:	WH11107533
Sample Type:	Sediment
Account:	TARCAP
Date:	7-JUL-2011
Project:	Y-11
P.O. No.:	
Quote:	
Terms:	Due on Receipt
Comments:	C1

ANALYSED FOR		DESCRIPTION	UNIT PRICE	TOTAL
QUANTITY	CODE			
13	PREP-41	Dry, Sieve (180 um) Soil	1.40	18.20
35.92	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.25	80.82
13	ME-MS41	51 anal. aqua regia ICPMS	18.55	241.15
13	GEO-AR01	Aqua regia digestion	3.50	45.50
13	Au-AA23	Au 30g FA-AA finish	15.30	198.90

POSTED

write back

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

SUBTOTAL (CAD) \$ 584.57
R100938885 HST BC \$ 70.15
TOTAL PAYABLE (CAD) \$ 654.72

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYCCATZ
Address: Vancouver, BC, CAN
Account: 003-00010-1001098
Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To :
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218

www.alsglobal.com



minerals

INVOICE NUMBER 2327135

BILLING INFORMATION	
Certificate:	WH11107536
Sample Type:	Sediment
Account:	TARCAP
Date:	7-JUL-2011
Project:	Y-11
P.O. No.:	
Quote:	
Terms:	Due on Receipt
Comments:	CI

ANALYSED FOR			UNIT	PRICE	TOTAL
QUANTITY	CODE	DESCRIPTION			
15	PREP-41	Dry, Sieve (180 um) Soil	1.40		21.00
41.28	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.25		92.88
15	ME-MS41	51 anal. aqua regia ICPMS	18.55		278.25
15	GEO-AR01	Aqua regia digestion	3.50		52.50
15	Au-AA23	Au 30g FA-AA finish	15.30		229.50

see below

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

SUBTOTAL (CAD) \$ 674.13
R100938885 HST BC \$ 80.90
TOTAL PAYABLE (CAD) \$ 755.03

POSTED
unf

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYCCAT2
Address: Vancouver, BC, CAN
Account: 003-00010-1001098
Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To:
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

Page 1 of 1

To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218

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minerals

INVOICE NUMBER 2322667

BILLING INFORMATION		ANALYSED FOR		UNIT	TOTAL
QUANTITY	CODE	DESCRIPTION	PRICE		
24	PREP-31	Crush, Split, Pulverize	7.10		170.40
18.00	PREP-31	Weight Charge (kg) - Crush, Split, Pulverize	0.65		11.70
24	ME-MS41	51 anal. aqua regia ICPMS	18.55		445.20
24	GEO-AR01	Aqua regia digestion	3.50		84.00
24	AU-AA23	Au 30g FA-AA finish	15.30		367.20
		<i>fine pure</i>			

Certificate: WH11108543

Sample Type: Rock

Account: TARCAP

Date: 7-JUL-2011

Project: Y-11

P.O. No.:

Quote:

Terms: Due on Receipt

Comments:

C1

SUBTOTAL (CAD) \$ 1,078.50

R100938885 HST BC \$ 129.42

TOTAL PAYABLE (CAD) \$ 1,207.92

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYCCAT2
Address: Vancouver, BC, CAN
Account: 003-00010-1001088
Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To:
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218

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minerals

To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

BILLING INFORMATION

Certificate: WH11107538

Sample Type: Rock

Account: TARCAP

Date: 8-JUL-2011

Project: Y-11

P.O. No.:

Quote:

Terms: Due on Receipt

Comments:

C1

INVOICE NUMBER 2322401 ✓

QUANTITY	CODE	ANALYSED FOR DESCRIPTION	UNIT PRICE	TOTAL
1	BAT-01	Administration Fee	30.00	30.00
16	PREP-31	Crush, Split, Pulverize	7.10	113.60
16.48	PREP-31	Weight Charge (kg) - Crush, Split, Pulverize	0.65	10.71
16	ME-MS41	51 anal. aqua regia ICPMS	18.55	296.80
16	GEO-AR01	Aqua regia digestion	3.50	56.00
1	Ag-OG46	Ore Grade Ag - Aqua Regia	2.35	2.35
2	ME-OG46	Ore Grade Elements - AquaRegia	2.35	4.70
2	ASY-AR01	Assay Aqua Regia Digestion	5.90	11.80
2	Cu-OG46	Ore Grade Cu - Aqua Regia	2.35	4.70
16	AU-AA23	Au 30g FA-AA finish	15.30	244.80

POSTED

SUBTOTAL (CAD) \$ 775.46
 R100938885 HST BC \$ 93.06
 TOTAL PAYABLE (CAD) \$ 868.52

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name:

Bank: ALS Canada Ltd.

SWIFT: Royal Bank of Canada

Address: ROYCCAT2

Account: Vancouver, BC, CAN

003-00010-1001098

Please send payment info to accounting.canusa@alsglobal.com

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Please Remit Payments To:

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7

To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

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



INVOICE NUMBER 2337774

BILLING INFORMATION	
Certificate:	WH11111301
Sample Type:	Rock
Account:	TARCAP
Date:	24-JUL-2011
Project:	Y-11
P.O. No.:	
Quote:	
Terms:	Due on Receipt
Comments:	CT

QUANTITY	CODE	ANALYSED FOR DESCRIPTION	UNIT PRICE	TOTAL
9	PREP-31	Crush, Split, Pulverize	7.10	63.90
10.26	PREP-31	Weight Charge (kg) - Crush, Split, Pulverize	0.65	6.67
9	Au-AA23	Au 30g FA-AA finish	15.30	137.70
9	ME-MS41	51 anal. aqua regia ICPMS	18.55	166.95
9	GEO-AR01	Aqua regia digestion	3.50	31.50

See Report



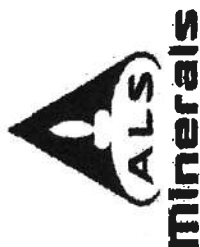
SUBTOTAL (CAD) \$ 406.72
R100938885 HST BC \$ 48.81
TOTAL PAYABLE (CAD) \$ 455.53

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYCCAT2
Address: Vancouver, BC, CAN
Account: 003-00010-1001098
Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To:
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7



ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218

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To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
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Page 1 of 1

INVOICE NUMBER 2348940

BILLING INFORMATION	
Certificate:	WH11136329
Sample Type:	Rock
Account:	TARCAP
Date:	28-JUL-2011
Project:	White River
P.O. No.:	
Quote:	
Terms:	Due on Receipt
Comments:	CT

QUANTITY	CODE	ANALYSED FOR	DESCRIPTION	UNIT PRICE	TOTAL
1	BAT-01		Administration Fee	31.50	31.50
13	PREP-31		Crush, Split, Pulverize Rush Charges X 2.0	14.20	184.60
5.51	PREP-31		Weight Charge (kg) - Crush, Split, Pulverize Rush Charge	1.30	7.16
13	AU-AA23		Au 30g FA-AA finish Rush Charges X 2.0	30.60	397.80
13	ME-MS41		51 anal. aqua regia ICPMS Rush Charges X 2.0	37.10	482.30
1	ME-OC46		Ore Grade Elements - AquaRegia Rush Charges X 2.0	4.70	4.70
1	Cu-OC46		Ore Grade Cu - Aqua Regia Rush Charges X 2.0	4.70	4.70
13	GEO-AR01		Aqua regia digestion Rush Charges X 2.0	7.00	91.00
1	ASY-AR01		Assay Aqua Regia Digestion Rush Charges X 2.0	11.80	11.80

white river

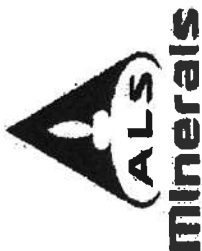
To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8Please Remit Payments To :
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYCCAT2
Address: Vancouver, BC, CAN
Account: 003-00010-1001098
Please send payment info to accounting.canusa@alsglobal.comSUBTOTAL (CAD) \$ 1,215.56
R100938885 HST BC \$ 145.87
TOTAL PAYABLE (CAD) \$ 1,361.43

To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

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



INVOICE NUMBER 2341029

BILLING INFORMATION	
Certificate:	WH11114164
Sample Type:	Soil
Account:	TARCAP
Date:	29-JUL-2011
Project:	Y-11
P.O. No.:	
Quote:	
Terms:	Due on Receipt
Comments:	C1

QUANTITY	CODE	ANALYSED FOR	DESCRIPTION	UNIT PRICE	TOTAL
47	PREP-41		Dry, Sieve (180 um) Soil	1.40	65.80
18.62	PREP-41		Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.25	41.90
47	Au-AA23		Au 30g FA-AA finish	15.30	719.10
47	ME-MS41		51 anal. aqua regia ICPMS	18.55	871.85
47	GEO-AR01		Aqua regia digestion	3.50	164.50

SUBTOTAL (CAD) \$ 1,863.15
R100938885 HST BC \$ 223.58
TOTAL PAYABLE (CAD) \$ 2,086.73

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYCCAT2
Address: Vancouver, BC, CAN
Account: 003-00010-1001088
Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To:
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

ALS Canada Ltd.

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



minerals

INVOICE NUMBER 2340847

BILLING INFORMATION		ANALYSED FOR		UNIT	TOTAL
Certificate:	WH11114165	QUANTITY	CODE	PRICE	
Sample Type:	Soil	47	PREP-41	1.40	65.80
Account:	TARCAP	19.12	PREP-41	2.25	43.02
Date:	31-JUL-2011	46	Au-AA23	15.30	703.80
Project:	Y-11	46	ME-MS41	18.55	853.30
P.O. No.:		46	GEO-AR01	3.50	161.00
Quote:		Dry, Sieve (180 um) Soil			
Terms:	Due on Receipt	Weight Charge (kg) - Dry, Sieve (180 um) Soil			
Comments:	C1	Au 30g FA-AA finish			
		51 anal. aqua regia ICPMS			
		Aqua regia digestion			

POSTED

SUBTOTAL (CAD) \$ 1,826.92
R100938885 HST BC \$ 219.23
TOTAL PAYABLE (CAD) \$ 2,046.15

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYCCAT2
Address: Vancouver, BC, CAN
Account: 003-00010-1001098
Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To :
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

Page 1 of 1

To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

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



INVOICE NUMBER 2340745

BILLING INFORMATION	
Certificate:	WH11114161
Sample Type:	Soil
Account:	TARCAP
Date:	27-JUL-2011
Project:	Y-11
P.O. No.:	
Quote:	
Terms:	Due on Receipt
Comments:	CI

QUANTITY	CODE	ANALYSED FOR DESCRIPTION	UNIT PRICE	TOTAL
47	PREP-41	Dry, Sieve (180 um) Soil	1.40	65.80
18.42	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.25	41.45
47	AU-AA23	Au 30g FA-AA finish	15.30	719.10
47	ME-MS41	51 anal. aqua regia ICPMS	18.55	871.85
47	GEO-AR01	Aqua regia digestion	3.50	164.50

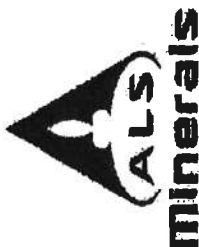
SUBTOTAL (CAD) \$ 1,862.70
R100938885 HST BC \$ 223.52
TOTAL PAYABLE (CAD) \$ 2,086.22

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYGCAT2
Address: Vancouver, BC, CAN
Account: 003-00010-1001098
Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To :
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218
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To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Page 1 of 1

INVOICE NUMBER 2340666

BILLING INFORMATION	
Certificate:	WH11114169
Sample Type:	Soil
Account:	TARCAP
Date:	28-JUL-2011
Project:	Y-11
P.O. No.:	7
Quote:	
Terms:	Due on Receipt C1
Comments:	

QUANTITY	CODE	ANALYSED FOR DESCRIPTION	UNIT PRICE	TOTAL
47	PREP-41	Dry, Sieve (180 um) Soil	1.40	65.80
17.96	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.25	40.41
47	Au-AA23	Au 30g FA-AA finish	15.30	719.10
47	ME-MS41	51 anal. aqua regia ICPMS	18.55	871.85
47	CEO-AR01	Aqua regia digestion	3.50	164.50

pure
mine

2340666

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

SUBTOTAL (CAD) \$ 1,861.66
R100938885 HST BC \$ 223.40
TOTAL PAYABLE (CAD) \$ 2,085.06

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYCCAT2
Address: Vancouver, BC, CAN
Account: 003-00010-1001098
Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To:
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218
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To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Page 1 of 1

INVOICE NUMBER 2340649

BILLING INFORMATION	
Certificate:	WH11120090
Sample Type:	Soil
Account:	TARCAP
Date:	31-JUL-2011
Project:	Y-11
P.O. No.:	
Quote:	Due on Receipt
Terms:	CI
Comments:	

QUANTITY	CODE	ANALYSED FOR DESCRIPTION	UNIT PRICE	TOTAL
56	PREP-41	Dry, Sieve (180 um) Soil	1.40	78.40
28.96	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.25	65.16
56	Au-AA23	Au 30g FA-AA finish	15.30	856.80
56	ME-MS41	51 anal. aqua regia ICPMS	18.55	1,038.80
56	GEO-AR01	Aqua regia digestion	3.50	196.00

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

SUBTOTAL (CAD) \$ 2,235.16
R100938885 HST BC \$ 268.22
TOTAL PAYABLE (CAD) \$ 2,503.38

Payment may be made by: Cheque or Bank Transfer

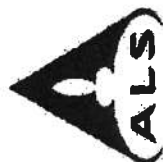
Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYCCAT2
Address: Vancouver, BC, CAN
Account: 003-00010-1001098
Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To:
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

To: TARSIS RESOURCES LTD.
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

ALS Canada Ltd.

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



minerals

INVOICE NUMBER 2337836

BILLING INFORMATION	
Certificate:	WH11114117
Sample Type:	Soil
Account:	TARCAP
Date:	28-JUL-2011
Project:	Y-11
P.O. No.:	
Quote:	
Terms:	Due on Receipt
Comments:	C1

QUANTITY	CODE	ANALYSED FOR DESCRIPTION	UNIT PRICE	TOTAL
52	PREP-41	Dry, Sieve (180 um) Soil	1.40	72.80
22.08	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.25	49.68
52	AU-AA23	Au 30g FA-AA finish	15.30	795.60
52	ME-MS41	51 anal. aqua regia ICPMS	18.55	964.60
52	GEO-AR01	Aqua regia digestion	3.50	182.00

analyse



SUBTOTAL (CAD) \$ 2,064.68
R100938885 HST BC \$ 247.76
TOTAL PAYABLE (CAD) \$ 2,312.44

To: TARSIS RESOURCES LTD.
ATTN: MARC BLYTHE
1103 - 750 W PENDER ST.
VANCOUVER BC V6C 2T8

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
Bank: Royal Bank of Canada
SWIFT: ROYCCAT2
Address: Vancouver, BC, CAN
Account: 003-00010-1001088
Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To :
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

**Moonraker Multimedia Inc**

13077 Summerhill Cres.

Surrey, BC

V4A 7X9

Invoice

Date	Invoice #
25/07/2011	TCC110725

Phone #

604-535-6453

Address changed from
 5970-165th Street
 Surrey, BC
 V3S 4N9.

Invoice To

Tarsis Capital Corp
 1103 - 750 West Pender Street
 Vancouver, BC
 V6C 2T8

Period Covered: Jun 21 to July 25, 2011

Hours	Description	Rate \$/hr	Amount - \$
11.25	Erika Property - GIS	75.00	843.75
8	White River Property - GIS	75.00	600.00
	GST on sales	12.00%	173.25
	urb		
	White River - 67r.		

GST/HST No. 824133615

Total**\$1,617.00**



Moonraker Multimedia Inc
 13077 Summerhill Cres.
 Surrey, BC
 V4A 7X9

Invoice

Date	Invoice #
20/06/2011	TCC110620

Phone #	604-535-6453
Fax #	Fax 604-536-64...

Invoice To
Tarsis Capital Corp 1103 - 750 West Pender Street Vancouver, BC V6C 2T8

Period Covered: Jan 29 to Jun 20, 2011

Hours	Description	Rate \$/hr	Amount - \$
13	White River Property - GIS and Presentation Work	75.00	975.00
	GST on sales	12.00%	117.00
POSTED			

GST/HST No. 824133615

	Total	\$1,092.00
--	--------------	-------------------



TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.
P.O. Box 8, 115 Range Rd.
Whitehorse, Yukon Canada Y1A 0X9
Tel: (867) 668-2177 - Fax: (867) 668-3420

Tarsis Resources
1103-750 Pender Street
Vancouver, B.C.
V6C 2T8

FUEL & OIL X TNTA CUST.		TNTA FUEL USED		HRS./LITRES		FROM		FLIGHT DATE		DAY		MONTH		YEAR					
X		JP4				~~7/1~~				02		07		11					
HOOK INSURANCE										DECLINED		☐		INT					
VALUE										ACCEPTED		☐							
FROM										TNTA'S TARIFF LIMITS THAT TNTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 50¢ PER LB.									
WHITE RIVER										UP		DOWN		HOURS		REMARKS NO. OF PASS			
TO																			

0833	1631	1.0	Set Out 5 pax Pick Up 5 pax
POSTED <i>1/11/17</i>			minimums averaged @ 3 hrs/day

POSTED
14512

minimums
averaged
@ 3 hrs/day

SUB TOTAL		AMOUNT		D.G. TRANSPORTED		1045.00		1045.00	
1500.00		1045.00		☐					
0000323		52.25		HOLDING TIME:		/HR.			
TERMS: PAYABLE UPON RECEIPT OF INVOICE				FUEL		/LITRE			
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING DUES OVER 30 DAYS.				FUEL		/LITRE			
F INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.				MEALS & LODGINGS					
CHARTERER'S SIGNATURE				OTHER					
CHARTERER'S NAME (PRINTED)				OTHER					
INITIALS				SUB TOTAL		1045.00			
PILOT'S SIGNATURE				GOODS & SERVICES TAX					
ENGINEER'S NAME				REGISTRATION NO. R127483135		52.25			
SHIPPING NAME & QTY.		CLASS		UN #		PACKING GR.		TOTAL \$	
								1097.25	

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT



REMIT PAYMENT TO:

TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.

P.O. Box 8, 115 Range Rd.

Whitehorse, Yukon Canada Y1A 0X9

Tel: (867) 668-2177 - Fax: (867) 668-3420

Tarsis Resources
1103-750 Pender Street
Vancouver, B.C.
V6C 2T8

FUEL & OIL X TMTA FUEL USED		HRS./LITRES		FROM	
TMTA CUBS					
HOOK INSURANCE		DECLINED ☐ INT ☐		TMTA'S TARIFF LIMITS THAT TMTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 60% PER LB.	
VALUE		ACCEPTED ☐			
FROM	UP	DOWN	HOURS	REMARKS	NO. OF PASS
White River					
TO					

ACCOUNT NUMBER	TarsisCap
INVOICE NUMBER	51017
INVOICE DATE	11/07/11
AREA	B.C. YUKON NWT ALTA
AC TYPE	206B
AFRONT REGISTRATION C	GPW1
FLIGHT DATE	030711
PURCHASE ORDER NO.	

0837 1718 1.3 Set Out 5 pax
Move 5 pax
Pick Up 5 pax

POSTED

minimums
averaged
@ 3 hrs/day

D.G. TRANSPORTED		1.3	1045.00	1358.50
HOLDING TIME:		0	/ HR.	
FUEL		0	/ LITRE	
FUEL		0	/ LITRE	
MEALS & LODGINGS				
OTHER				
OTHER				
SUB TOTAL				1358.50
GOODS & SERVICES TAX				
REGISTRATION NO. R121483135				67.93
TOTAL				1426.43

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

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REMIT PAYMENT TO:

TRANS NORTH HELICOPTERS

TRANS NORTH TUBBO AIR LTD.
P.O. Box 8, 115 Range Rd.
Whitehorse, Yukon Canada Y1A 5X9
Tel: (867) 862-2177 - Fax: (867) 862-9420

Tarsis Resources
1103-750 Pender Street
Vancouver, B.C.
V6C 2T8

FUEL & OIL X	TNTA FUEL USED	HRS/LITRES	FROM
☒			
HOOK INSURANCE	DECLINED ☐ INT ☐	TNTA'S TARIFF LIMITS THAT TNTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 50¢ PER LB.	
VALUE	ACCEPTED ☐		
FROM	UP	DOWN	HOURS
TO			REMARKS NO. OF PASS

ACCOUNT NUMBER	TARSCAP
INVOICE NUMBER	51019
INVOICE DATE	11/07/11
A/C TYPE	206B
AIRCRAFT REGISTRATION C	GPWJ
FLIGHT DATE	040711
PURCHASE ORDER NO.	CK

White River	0831	1659	2.1	Set out 5 pax
				Move 5 pax
				Move 5 pax
				Pick up 5 pax

POSTED

minimums averaged @ 3 hrs/day

SUB	1509	502	2194	50
0000323	189	73		
TERMS: PAYABLE UPON RECEIPT OF INVOICE.				
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 90 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.				
X <i>K. Kaul</i>				
CHARTERER'S SIGNATURE				
CHARTERER'S NAME (PRINTED)				
<i>Pamela D. Kaul</i>				
PILOT'S SIGNATURE				
ENGINEER'S NAME				
SHIPPING NAME & QTY.				
CLAS	UN #	PACKING GR.		
			TOTAL \$ 2304.83	

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

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TRANS NORTH TURBO AIR LTD.
P.O. Box 8, 115 Range Rd.
Whitehorse, Yukon, Canada Y1A 0X9
Tel: (867) 868-2177 - Fax: (867) 868-3420

Tarsis Resources

1103-750 Pender Street

Vancouver, B.C.

V6C 2T8

ACCOUNT NUMBER		TARSCAP	
INVOICE NUMBER		51020	
INVOICE DATE		11/07/11	
AC TYPE	AIRCRAFT REGISTRATION C		
206B	GPW1		
FLIGHT DATE	DAY	MONTH	YEAR
05	07	11	
PURCHASE ORDER NO.			
CIC			

FUEL & OIL-Y	TNTA FUEL USED	HRS/LITRES	FROM
TNTA CUST			
HOOK INSURANCE	DECLINED ☐ INT ☐	TNTA'S TARIFF LIMITS THAT TNTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 50¢ PER LB.	
VALUE	ACCEPTED ☐		
FROM	TO	UP	DOWN
White R			
White River	0830/550	1.0	Set Out 5 pax Pick Up 5 pax
POSTED			
minimums averaged @ 3 hrs/day			
SUB	GT	AMOUNT	
1509502	104500		
0000323	5225		
TERMS: PAYABLE UPON RECEIPT OF INVOICE. 1% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.			
CHARTERER'S SIGNATURE: <i>[Signature]</i>			
CHARTERER'S NAME (PRINTED): <i>[Signature]</i>			
PILOT'S SIGNATURE: <i>[Signature]</i>			
ENGINEER'S NAME: <i>[Signature]</i>			
SHIPPING NAME & QTY: <i>[Signature]</i>			
CLASS	UN	PACKING GR.	
TOTAL			\$ 109725

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

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REMIT PAYMENT TO:

TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.
P.O. Box 8, 715 Range Rd.
Whitehorse, Yukon Canada Y1A 0X8
Tel: (867) 668-2177 - Fax: (867) 668-2420

Tarsis Resources

1103-750 Pender Street

Vancouver, B.C.

V6C 2T8

FUEL & OIL X TMTA FUEL USED

TMTA CUST

HRS/LITRES

FROM

HOOK INSURANCE

DECLINED

☐ INT

VALUE

ACCEPTED

☐

TMTA'S TARIFF LIMITS THAT TMTA'S LIABILITY
FOR LOSS OR DAMAGE TO GOODS
CARRIED IS 50¢ PER LB.

FROM White River UP DOWN HOURS REMARKS NO. OF PASS

White River 0830 1724 1.1

POSTED
11/11/11

*minimums
averaged
@ 3 hrs/day*

1.1 @ 1045.00 1149 50

D.S.
TRANSPORTED
☐

HOLDING TIME:

/ HR.

FUEL

/ LITRE

FUEL

/ LITRE

MEALS & LODGINGS

OTHER

OTHER

SUB TOTAL

GOODS & SERVICES TAX
REGISTRATION NO. R121463135

1149 50

57 48

TOTAL \$

1206 98

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
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P.O. Box 8, 115 Range Rd.
Whitehorse, Yukon Canada Y1A 0A9
Tel: (867) 668-2177 - Fax: (867) 668-3420

Tarsis Resources

1103-750 Pender Street

Vancouver, B.C.

V6C 2T8

FUEL & OIL - X TNTA FUEL USED		HRS/LITRES		FROM	
TNTA CUST. X					
HOOK INSURANCE		DECLINED ☐ INT ☐		TNTA'S TARIFF LIMITS THAT TNTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 60¢ PER LB.	
VALUE		ACCEPTED ☐			
FROM White River		UP		DOWN	
TO		HOURS		REMARKS NO. OF PASS	

ACCOUNT NUMBER	TARSLRP		
INVOICE NUMBER	51022		
INVOICE DATE	11/07/11		
A/C TYPE	206B		
FLIGHT DATE	DAY	MONTH	YEAR
	07	07	11
PURCHASE ORDER NO. CK			

White River **08321715** **1.0** **Set out 5 par**
Pick up 5 par

Dawson **20302200** **1.5** **Ferry to**
Dawson
4.5 **unused**
MINIMUMS

MINIMUM JUNE 30 - JULY 7/11 (30/00) 242 hrs
FLEW TARSIS 10.8
3RD PARTY 8.7
UNUSED MINIMUM 4.5 hrs

SUB		GL		AMOUNT	
1549		542		7315	
0000323		365.75			
TERMS: PAYABLE UPON RECEIPT OF INVOICE. 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID FUTURE FLIGHTS WILL BE ON A CASH BASIS.					
CHARTERER'S SIGNATURE [Signature]					
CHARTERER'S NAME (PRINTED) [Signature]					
PILOT'S SIGNATURE [Signature]					
ENGINEER'S NAME ESTRADA					
SHIPPING NAME & CITY.					
CLASS		UN #		PACKING GR.	
GOODS & SERVICES TAX				REGISTRATION NO. R121483135	
				365 75	
TOTAL				\$ 7680 75	

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

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QUARTZ MINING ACT FORM 12 SECTION 55
APPLICATION TO GROUP MINERAL CLAIMS

WHITE HORSE

MINING DISTRICT

Office Date Stamp

I, (We) the undersigned owners or agent(s) of the owners of following mineral claims.

(Additional sheets or an appendix may be used) (Claim names and grant numbers to be listed in sequence eg. TOM 1-40, YC10001 - YC10042)

GRANT NUMBER	CLAIM NAME	MAP SHEET
YD 58745 - YD 58792	WHITE 1-48	115K/1
YD 29909 - YD 30028	49-168	115K/1
YD 15369 - YD 15378	169-308	115K/1

Give notice of intention to group the said claims for the performance of work and do hereby apply under the provisions of section 55 of the Quartz Mining Act for a certificate in form 6.

I (We) hereby certify that the above claims are adjoining as shown on the attached sketch

ARCHER, CATRO & ASSOCIATES (1981) LIMITED

Dated at VANCOUVER, B.C.

This 23rd day of JUNE, 2011

Applicant(s)

Access to Information and Protection of Privacy Act

The personal information requested on this form is collected under the authority of and used for the purpose of administering the Quartz Mining Act. Questions about the collection and use of this information can be directed to the Mining Records Office, Mineral Resources, Department of Energy, Mines and Resources, Yukon Government, Box 2703, Whitehorse, Yukon Territory, Y1A 2C6 (867) 667-3190

N

NTS 115K001

WHITE CLAIMS

